

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2018

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number: 001-35703

PUMA BIOTECHNOLOGY, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

77-0683487
(I.R.S. Employer
Identification Number)

10880 Wilshire Boulevard, Suite 2150, Los Angeles, CA 90024

(Address of principal executive offices) (Zip code)

(424) 248-6500

(Registrant's telephone number, including area code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input type="checkbox"/>
Emerging growth company	<input type="checkbox"/>		

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

Indicate the number of shares outstanding of each of the registrant's classes of common stock, as of the latest practicable date. 38,024,982 shares of Common Stock, par value \$0.0001 per share, were outstanding as of August 6, 2018.

PUMA BIOTECHNOLOGY, INC.

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CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. Any statements about our expectations, beliefs, plans, objectives, assumptions, future events or performance are not historical facts and may be forward looking. These forward-looking statements include, but are not limited to, statements about:

- the commercialization of NERLYNX ® (neratinib);
- the development of our drug candidates, including when we expect to undertake, initiate and complete clinical trials of our product candidates;
- the anticipated timing of regulatory filings;
- the regulatory approval of our drug candidates;
- our use of clinical research organizations and other contractors;
- our ability to find collaborative partners for research, development and commercialization of potential products;
- efforts of our licensees to obtain regulatory approval and commercialize NERLYNX in areas outside the United States;
- our ability to market any of our products;
- our history of operating losses;
- our expectations regarding our costs and expenses;
- our anticipated capital requirements and estimates regarding our needs for additional financing;
- our ability to compete against other companies and research institutions;
- our ability to secure adequate protection for our intellectual property;
- our intention and ability to vigorously defend against a securities class action lawsuit, derivative lawsuits and a defamation lawsuit;
- our ability to attract and retain key personnel; and
- our ability to obtain adequate financing.

These statements are often, but not always, made through the use of words or phrases such as “anticipate,” “estimate,” “plan,” “project,” “continuing,” “ongoing,” “expect,” “believe,” “intend” and similar words or phrases. Accordingly, these statements involve estimates, assumptions and uncertainties that could cause actual results to differ materially from those expressed in them. Discussions containing these forward-looking statements may be found throughout this Quarterly Report on Form 10-Q, including, in Part I, the section entitled “Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations.” These forward-looking statements involve risks and uncertainties, including the risks discussed in Part I, Item 1A. “Risk Factors” of our Annual Report on Form 10-K for the year ended December 31, 2017 that could cause our actual results to differ materially from those in the forward-looking statements. Such risks should be considered in evaluating our prospects and future financial performance. We undertake no obligation to update the forward-looking statements or to reflect events or circumstances after the date of this document.

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands, except share data)
(unaudited)

	June 30, 2018	December 31, 2017
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 95,912	\$ 81,698
Marketable securities	38,600	—
Accounts receivable, net	21,343	9,670
Inventory	2,475	2,029
Prepaid expenses and other, current	11,730	12,997
Total current assets	170,060	106,394
Property and equipment, net	4,311	4,470
Prepaid expenses and other, long-term	2,551	1,989
Intangible assets, net	46,382	48,355
Restricted cash	4,317	4,317
Total assets	\$ 227,621	\$ 165,525
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	\$ 22,336	\$ 27,692
Accrued expenses	41,194	30,648
Total current liabilities	63,530	58,340
Deferred rent	5,523	5,406
Long-term debt	120,269	48,477
Total liabilities	189,322	112,223
Commitments and contingencies (Note 10)		
Stockholders' equity:		
Common stock - \$.0001 par value per share; 100,000,000 shares authorized; 37,890,220 shares issued and outstanding at June 30, 2018 and 37,594,851 issued and outstanding at December 31, 2017	4	4
Additional paid-in capital	1,195,600	1,142,213
Receivable from exercise of stock options	(159)	(449)
Accumulated other comprehensive loss	(1)	—
Accumulated deficit	(1,157,145)	(1,088,466)
Total stockholders' equity	38,299	53,302
Total liabilities and stockholders' equity	\$ 227,621	\$ 165,525

See Accompanying Notes to the Unaudited Condensed Consolidated Financial Statements

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except share and per share data)
(unaudited)

	For the Three Months Ended June 30,		For the Six Months Ended June 30,	
	2018	2017	2018	2017
Revenue:				
Product revenue, net	\$ 50,767	\$ —	\$ 86,783	\$ —
License revenue	—	—	30,500	—
Total revenue	50,767	—	117,283	—
Operating costs and expenses:				
Cost of sales	8,831	—	15,214	—
Selling, general and administrative	40,135	24,929	76,737	43,330
Research and development	43,245	53,253	90,169	108,054
Total operating costs and expenses	92,211	78,182	182,120	151,384
Loss from operations	(41,444)	(78,182)	(64,837)	(151,384)
Other (expenses) income:				
Interest income	329	380	503	730
Interest expense	(2,587)	—	(3,666)	—
Other expenses	(633)	(30)	(679)	(43)
Total other (expenses) income:	(2,891)	350	(3,842)	687
Net loss	\$ (44,335)	\$ (77,832)	\$ (68,679)	\$ (150,697)
Net loss applicable to common stockholders	\$ (44,335)	\$ (77,832)	\$ (68,679)	\$ (150,697)
Net loss per common share—basic and diluted	\$ (1.17)	\$ (2.10)	\$ (1.82)	\$ (4.08)
Weighted-average common shares outstanding—basic and diluted	37,819,767	36,992,017	37,759,729	36,961,760

See Accompanying Notes to the Unaudited Condensed Consolidated Financial Statements

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS
(in thousands)
(unaudited)

	For the Three Months Ended		For the Six Months Ended June 30,	
	June 30,		2018	2017
	2018	2017	2018	2017
Net loss	\$ (44,335)	\$ (77,832)	\$ (68,679)	\$ (150,697)
Other comprehensive loss				
Unrealized gain (loss) on available-for-sale securities	(1)	25	(1)	(12)
Comprehensive loss	<u>\$ (44,336)</u>	<u>\$ (77,807)</u>	<u>\$ (68,680)</u>	<u>\$ (150,709)</u>

See Accompanying Notes to the Unaudited Condensed Consolidated Financial Statements

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
CONDENSED CONSOLIDATED STATEMENT OF STOCKHOLDERS' EQUITY
(in thousands, except share data)
(unaudited)

	Common Stock		Additional Paid-in Capital	Receivables from the Exercises of Options	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total
	Shares	Amount					
Balance at December 31, 2017	37,594,851	\$ 4	\$ 1,142,213	\$ (449)	\$ —	\$ (1,088,466)	\$ 53,302
Stock-based compensation	—	—	47,536	—	—	—	47,536
Shares issued or restricted stock units vested under employee stock plans	295,369	—	5,851	290	—	—	6,141
Unrealized loss on available-for-sale securities					(1)		(1)
Net loss	—	—	—	—	—	(68,679)	(68,679)
Balance at June 30, 2018	<u>37,890,220</u>	<u>\$ 4</u>	<u>\$ 1,195,600</u>	<u>\$ (159)</u>	<u>\$ (1)</u>	<u>\$ (1,157,145)</u>	<u>\$ 38,299</u>

See Accompanying Notes to the Unaudited Condensed Consolidated Financial Statements

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(in thousands)
(unaudited)

	For the Six Months Ended June 30,	
	2018	2017
Operating activities:		
Net loss	\$ (68,679)	\$ (150,697)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	3,224	551
Stock-based compensation	47,536	56,722
Debt modification fees	289	—
Changes in operating assets and liabilities:		
Accounts receivable, net	(11,673)	—
Inventory	(446)	—
Prepaid expenses and other	705	1,878
Accounts payable	(5,506)	4,479
Accrued expenses	10,543	5,148
Accrual of deferred rent	117	(35)
Net cash used in operating activities	<u>(23,890)</u>	<u>(81,954)</u>
Investing activities:		
Purchase of property and equipment	(245)	(132)
Restricted cash	—	1
Purchase of available-for-sale securities	(38,600)	(79,513)
Sale/maturity of available-for-sale securities	—	43,650
Net cash used in investing activities	<u>(38,845)</u>	<u>(35,994)</u>
Financing activities:		
Net proceeds from exercise of stock options	6,141	4,271
Proceeds from long-term debt	75,000	—
Payment of debt issuance costs	(4,192)	—
Net cash provided by financing activities	<u>76,949</u>	<u>4,271</u>
Net increase (decrease) in cash, cash equivalents and restricted cash	14,214	(113,677)
Cash, cash equivalents and restricted cash, beginning of period	86,015	198,811
Cash, cash equivalents and restricted cash, end of period	<u>\$ 100,229</u>	<u>\$ 85,134</u>
Supplemental disclosures of non-cash investing and financing activities:		
Property and equipment purchases in accounts payable	\$ 150	\$ 154
Receivables related to stock option exercises	\$ 159	\$ —
Supplemental disclosure of cash flow information:		
Interest paid	\$ 2,445	\$ —

See Accompanying Notes to the Unaudited Condensed Consolidated Financial Statements

PUMA BIOTECHNOLOGY, INC. AND SUBSIDIARY
NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

Note 1—Business and Basis of Presentation:

Business:

Puma Biotechnology, Inc., or the Company, is a biopharmaceutical company based in Los Angeles, California with a focus on the development and commercialization of innovative products to enhance cancer care. The Company in-licenses the global development and commercialization rights to three drug candidates—PB272 (neratinib (oral)), PB272 (neratinib (intravenous)) and PB357. Neratinib is a potent irreversible tyrosine kinase inhibitor that blocks signal transduction through the epidermal growth factor receptors HER1, HER2 and HER4. Currently, the Company is primarily focused on the development and commercialization of the oral version of neratinib, and its most advanced drug candidates are directed at the treatment of HER2-positive breast cancer. The Company believes that neratinib has clinical application in the treatment of several other cancers as well, including non-small cell lung cancer and other tumor types that over-express or have a mutation in HER2.

In November 2012, the Company established and incorporated Puma Biotechnology Ltd., a wholly owned subsidiary, for the sole purpose of serving as the Company's legal representative in the United Kingdom and the European Union in connection with the Company's clinical trial activity in those countries.

Basis of Presentation:

The Company is focused on developing and commercializing neratinib for the treatment of patients with human epidermal growth factor receptor type 2, or HER2-positive, breast cancer, HER2 mutated non-small cell lung cancer, HER2-negative breast cancer that has a HER2 mutation and other solid tumors that have an activating mutation in HER2. The Company has reported a net loss of approximately \$44.3 million and \$68.7 million for the three and six months ended June 30, 2018, and negative cash flows from operations of approximately \$23.9 million for the six months ended June 30, 2018. Management believes that the Company will continue to incur net losses and negative net cash flows from operating activities through the drug development process and global commercialization.

The Company has incurred significant operating losses and negative cash flows from operations since its inception, which raises substantial doubt about its ability to continue as a going concern. On July 17, 2017, the Company received U.S. Food and Drug Administration, or FDA, approval for its first product, NERLYNX® (neratinib), formerly known as PB272 (neratinib (oral)), for the extended adjuvant treatment of adult patients with early stage HER2-overexpressed/amplified breast cancer following adjuvant trastuzumab-based therapy. Following FDA approval in July 2017, NERLYNX became available by prescription in the United States, and the Company commenced commercialization. The Company entered into exclusive license agreements with Specialised Therapeutics Asia Pte Ltd., or STA, Medison Pharma Ltd., or Medison, and CANbridgepharma Limited, or CANbridge, and, most recently, Pint Pharma International SA, or Pint, to pursue regulatory approval and commercialize NERLYNX, if approved, in South East Asia, Israel, greater China and South America, respectively. The Company plans to continue to pursue commercialization of NERLYNX in other countries outside the United States, if approved, and is evaluating various commercialization options in those countries, including developing a direct salesforce, contracting with third parties to provide sales and marketing capabilities, or some combination of these two options. On June 28, 2018, the Committee for Medicinal Products for Human Use, or CHMP, adopted a positive opinion, recommending marketing authorization for NERLYNX for the extended adjuvant treatment of adult patients with early stage hormone receptor positive HER2-overexpressed/amplified breast cancer and who are less than one year from the completion of prior adjuvant trastuzumab-based therapy. The CHMP recommendation will now be reviewed by the European Commission, which has the authority to approve medicines for the European Union. In addition, the Company is required to make substantial payments to Pfizer upon the achievement of certain milestones and has contractual obligations for clinical trial contracts.

Commercialization in the United States and, if approved, in the European Union, may require funding in addition to the cash and cash equivalents totaling approximately \$95.9 million and marketable securities totaling approximately \$38.6 million available at June 30, 2018. While the consolidated financial statements have been prepared on a going concern basis, the Company continues to remain dependent on its ability to obtain sufficient funding to sustain operations and successfully commercialize neratinib in the United States and, if approved, launch in the European Union. While the Company has been successful in raising capital in the past, there can be no assurance that it will be able to do so in the future. The Company's ability to obtain funding may be adversely impacted by uncertain market conditions, unfavorable decisions of regulatory authorities or adverse clinical trial results. The outcome of these matters cannot be predicted at this time. The Company's continued operations will depend on its ability to successfully commercialize NERLYNX, the Company's only product approved by the FDA, and to obtain additional capital through various potential sources, such as equity and debt financing.

Since its inception through June 30, 2018, the Company's financing has primarily been through public offerings of Company common stock, private equity placements, borrowings under its loan and security agreement with Silicon Valley Bank, or SVB and Oxford Finance LLC, or Oxford, and licensing of its intellectual property.

The Company may need additional financing before it can achieve profitability, if ever. There can be no assurance that additional capital will be available on favorable terms or at all or that any additional capital that the Company is able to obtain will be sufficient to meet its needs. If it is unable to raise additional capital, the Company could likely be forced to curtail desired development activities, which will delay the development of its product candidates.

Note 2—Significant Accounting Policies:

The significant accounting policies followed in the preparation of these unaudited condensed consolidated financial statements are as follows:

Financial Instruments:

The carrying value of financial instruments, such as cash equivalents, accounts receivable and accounts payable, approximate their fair value because of their short-term nature. The carrying value of long-term debt approximates its fair value as the principal amounts outstanding are subject to variable interest rates that are based on market rates, which are regularly reset.

Use of Estimates:

The preparation of consolidated financial statements in conformity with Generally Accepted Accounting Principles, or GAAP, requires management to make estimates and assumptions that affect reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the balance sheet, and reported amounts of expenses for the period presented. Accordingly, actual results could differ from those estimates.

Significant estimates include estimates for variable consideration for which reserves were established. These estimates are included in the calculation of net revenues and include trade discounts and allowances, product returns, provider chargebacks and discounts, government rebates, payor rebates, and other incentives, such as voluntary patient assistance, and other allowances that are offered within contracts between the Company and its customers, payors, and other indirect customers relating to the Company's sale of its products.

Principles of Consolidation:

The unaudited condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiary. All intercompany balances and transactions have been eliminated in consolidation.

Investment Securities:

The Company classifies all investment securities (short term and long term) as available-for-sale, as the sale of such securities may be required prior to maturity to implement management's strategies. These securities are carried at fair value, with the unrealized gains and losses, reported as a component of accumulated other comprehensive loss in stockholders' equity until realized. Realized gains and losses from the sale of available-for-sale securities, if any, are determined on a specific identification basis. A decline in the market value of any available-for-sale security below cost that is determined to be other than temporary results in the revaluation of its carrying amount to fair value. The impairment is charged to earnings and a new cost basis for the security is established. Premiums and discounts are amortized or accreted over the life of the related security as an adjustment to yield using the straight-line method. Interest income is recognized when earned.

License Fees and Intangible Assets:

The Company expenses amounts paid to acquire licenses associated with products under development when the ultimate recoverability of the amounts paid is uncertain and the technology has no alternative future use when acquired. Acquisitions of technology licenses are charged to expense or capitalized based upon the asset achieving technological feasibility in accordance with management's assessment regarding the ultimate recoverability of the amounts paid and the potential for alternative future use. The Company has determined that technological feasibility for its product candidates is reached when the requisite regulatory approvals are obtained to make the product available for sale. The Company capitalizes technology licenses upon reaching technological feasibility.

The Company maintains definite-lived intangible assets related to the Company's license with Pfizer. These assets are amortized over their remaining useful lives, which are estimated based on the shorter of the remaining patent life or the estimated useful life of the underlying product. Intangible assets are amortized using the economic consumption method if anticipated future revenues can be reasonably estimated. The straight-line method is used when future revenues cannot be reasonably estimated. Amortization costs are recorded as part of cost of sales.

The Company assesses its intangible assets for impairment if indicators are present or changes in circumstance suggest that impairment may exist. Events that could result in an impairment, or trigger an interim impairment assessment, include the receipt of additional clinical or nonclinical data regarding one of the Company's drug candidates or a potentially competitive drug candidate, changes in the clinical development program for a drug candidate, or new information regarding potential sales of the drug. If impairment indicators are present or changes in circumstance suggest that impairment may exist, the Company performs a recoverability test by comparing the sum of the estimated undiscounted cash flows of each intangible asset to its carrying value on the consolidated balance sheet. If the undiscounted cash flows used in the recoverability test are less than the carrying value, the Company would determine the fair value of the intangible asset and recognize an impairment loss if the carrying value of the intangible asset exceeds its fair value. The FDA approval of NERLYNX in July 2017 triggered a one-time milestone payment pursuant to the Company's license agreement with the Pfizer. The Company capitalized the milestone payment as an intangible asset and is amortizing the asset to cost of sales on a straight-line basis through 2030, the estimated useful life of the licensed patent. The Company recorded amortization expense related to its intangible asset of \$1.0 million and \$2.0 million for the three and six months ended June 30, 2018, respectively. As of June 30, 2018, estimated future amortization expense related to the Company's intangible asset was approximately \$1.9 million for the remainder of 2018, approximately \$3.9 million for each year starting 2019 through 2029, and approximately \$1.0 million for 2030.

Royalties:

Royalties incurred in connection with the Company's license agreement with the Licensor are expensed to cost of sales as revenue from product sales is recognized.

Inventory:

The Company values its inventories at the lower of cost and estimated net realizable value. The Company determines the cost of its inventories, which includes amounts related to materials and manufacturing overhead, on a first-in, first-out basis. The Company performs an assessment of the recoverability of capitalized inventory during each reporting period, and it writes down any excess and obsolete inventories to their estimated realizable value in the period in which the impairment is first identified. Such impairment charges, should they occur, are recorded within the cost of sales. The determination of whether inventory costs will be realizable requires estimates by management. If actual market conditions are less favorable than projected by management, additional write-downs of inventory may be required, which would be recorded as a cost of sales in the consolidated statements of operations and comprehensive loss.

The Company capitalizes inventory costs associated with the Company's products after regulatory approval, if any, when, based on management's judgment, future commercialization is considered probable and the future economic benefit is expected to be realized. Inventory acquired prior to receipt of marketing approval of a product candidate is recorded as research and development expense as incurred. Inventory that can be used in the production of either clinical or commercial product is recorded as research and development expense when selected for use in a clinical trial. Starter kits, provided to patients prior to insurance approval, are expensed by the Company to sales and marketing expense as incurred.

As of June 30, 2018, the Company's inventory balance consisted primarily of raw materials purchased subsequent to FDA approval of NERLYNX.

Revenue Recognition:

The Company adopted Accounting Standards Codification, or ASC Topic 606 - Revenue from Contracts with Customers, or ASC 606, on January 1, 2017. This standard applies to all contracts with customers, except for contracts that are within the scope of other standards, such as leases, insurance, collaboration arrangements, and financial instruments. Under ASC 606, when its customer obtains control of the promised goods or services, an entity recognizes revenue in an amount that reflects the consideration which the entity expects to be entitled in exchange for those goods or services. The Company had no contracts with customers until the FDA approved NERLYNX on July 17, 2017. Subsequent to receiving FDA approval, the Company entered into a limited number of arrangements with specialty pharmacies and specialty distributors in the United States to distribute NERLYNX. These arrangements are the Company's initial contracts with customers. The Company has determined that these sales channels with customers are similar.

To determine revenue recognition for arrangements that an entity determines are within the scope of ASC 606, the entity performs the following five steps: (i) identifies the contract(s) with a customer, (ii) identifies the performance obligations in the contract, (iii) determines the transaction price, (iv) allocates the transaction price to the performance obligations in the contract, and (v) recognizes revenue when (or as) the entity satisfies a performance obligation. The Company only applies the five-step model to arrangements that meet the definition of a contract under ASC 606, including when it is probable that the entity will collect the consideration it is entitled to in exchange for the goods or services it transfers to the customer. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within each contract and determines those that are performance obligations, and assesses whether each promised good or service is distinct. The Company then recognizes as revenue the amount of the transaction price that is allocated to the respective performance obligation when (or as) the performance obligation is satisfied. For a complete discussion of accounting for product revenue, see *Product Revenue, Net* (below)

Product Revenue, Net:

The Company sells NERLYNX to a limited number of specialty pharmacies and specialty distributors in the United States. These customers subsequently resell the Company's products to patients and certain medical centers or hospitals. In addition to distribution agreements with these customers, the Company enters into arrangements with health care providers and payors that provide for government mandated and/or privately negotiated rebates, chargebacks and discounts with respect to the purchase of the Company's products.

The Company recognizes revenue on product sales when the specialty pharmacy or specialty distributor, as applicable, obtains control of the Company's product, which occurs at a point in time (upon delivery). Product revenue is recorded net of applicable reserves for variable consideration, including discounts and allowances. The Company's payment terms range between 10 and 68 days.

Shipping and handling costs for product shipments occur prior to the customer obtaining control of the goods, and are recorded in cost of sales.

If taxes should be collected from these customers relating to product sales and remitted to governmental authorities, they will be excluded from revenue. The Company expenses incremental costs of obtaining a contract when incurred, if the expected amortization period of the asset that the Company would have recognized is one year or less. However, no such costs were incurred during the three months ended June 30, 2018.

Product revenue from customers who individually accounted for 10% or more of the Company's total revenue for the three months ended June 30, 2018 consisted of the following, shown as a percentage of total revenue:

	Three Months Ended June 30, 2018
Customer A	41%
Customer B	25%
Customer C	14%

License Revenue:

The Company also recognizes license revenue under certain of the Company's license agreements that are within the scope of ASC 606. The terms of these agreements may contain multiple performance obligations, which may include licenses and research and development activities. The Company evaluates these agreements under ASC 606 to determine the distinct performance obligations. Non-refundable, up-front fees that are not contingent on any future performance and require no consequential continuing involvement by the Company, are recognized as revenue when the license term commences and the licensed data, technology or product is delivered. The Company defers recognition of non-refundable upfront license fees if the performance obligations are not satisfied.

Prior to recognizing revenue, the Company makes estimates of the transaction price, including variable consideration that is subject to a constraint. Amounts of variable consideration are included in the transaction price to the extent that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur and when the uncertainty associated with the variable consideration is subsequently resolved. Variable consideration may include nonrefundable upfront license fees, payments for research and development activities, reimbursement of certain third-party costs, payments based upon the achievement of specified milestones, and royalty payments based on product sales derived from the collaboration.

If there are multiple distinct performance obligations, the Company allocates the transaction price to each distinct performance obligation based on its relative standalone selling price. The standalone selling price is generally determined based on the prices charged to customers or using expected cost plus margin. Revenue is recognized by measuring the progress toward complete satisfaction of the performance obligations.

During the first quarter of 2018, the Company entered into sub-licensing agreements with CANbridge and Medison, to pursue regulatory approval and commercialize NERLYNX, if approved, in the People's Republic of China (including mainland China, Hong Kong, Macao, and Taiwan) and Israel, respectively. The license agreements granted intellectual property rights and set forth the parties' respective obligations with respect to development, commercialization and supply of the licensed product. For both license agreements, non-refundable, upfront license fees were received and recognized as license revenue in accordance with ASC 606. Each respective license agreement met the contract existence criteria and contained distinct, identifiable performance obligations for which the stand-alone selling prices were readily determinable and allocable. The Company is obligated to supply both CANbridge and Medison with the licensed product in accordance with the respective supply agreements. These supply arrangements have been identified as separate performance obligations. The Company also identified the Joint Steering Committee as a separate, distinct performance obligation. To determine the respective stand-alone selling prices, the Company estimated the transaction prices, including any variable consideration, at contract inception and determined the fair value of such obligations based on similar arrangements. When determining the transaction prices, the Company assumed that the goods or services will be transferred to the customer based on the terms of the existing contract, and did not take into consideration the possibility of a contract being canceled, renewed, or modified. The Company noted there was no additional variable consideration, significant financing components, noncash consideration, or consideration payable to the customer in these agreements. These license agreements also include potential future milestone and royalty payments due to the Company upon successful completion of certain separate, distinct performance obligations.

Additionally, during the first quarter of 2018, the Company entered into a sub-license agreement with Pint. The license agreement granted intellectual property rights and set forth the respective obligations with respect to development, commercialization and supply of NERLYNX in 22 countries and territories in Central and South America. This license agreement met the contract existence criteria and contained distinct, identifiable performance obligations for which the stand-alone selling prices were readily determinable and allocable. Under the terms of the license agreement, the Company is entitled to receive a non-deductible, non-creditable upfront payment. Prior to receipt of such payment, the Company must provide certain required documents on or before September 30, 2018 to the satisfaction of Pint. As of June 30, 2018 the Company had not satisfied this performance obligation and no revenue has been recognized under the terms of the arrangement. The Company is obligated to supply Pint with the licensed product during development pursuant to a supply agreement. This supply arrangement has been identified as a separate performance obligation. To determine the respective stand-alone selling prices, the Company estimated the transaction prices, including any variable consideration, at contract inception and determined the fair value of such obligations based on similar arrangements. When determining the transaction prices, the Company assumed that the goods or services will be transferred to the customer based on the terms of the existing contract, and did not take into consideration the possibility of a contract being canceled, renewed, or modified. The Company noted there was no additional variable consideration, significant financing components, noncash consideration, or consideration payable to the customer in these agreements. This license agreement also includes potential future milestone and royalty payments due to the Company upon successful completion of certain separate, distinct events, such as achieving regulatory approvals. The non-deductible, non-creditable upfront payment and milestones consist of certain development and commercial performance obligations, and the Company could earn up to approximately \$34.5 million if all respective performance obligations and milestones are achieved. At this time, the Company cannot estimate when these milestone-related performance obligations are expected to be achieved. The period between when we transfer control of the promised goods to a customer and when we receive payment from such customer is expected to be one year or less.

Reserves for Variable Consideration:

Revenue from product sales are recorded at the net sales price (transaction price), which includes estimates of variable consideration for which reserves are established. Components of variable consideration include trade discounts and allowances, product returns, provider chargebacks and discounts, government rebates, payor rebates, and other incentives, such as voluntary patient assistance, and other allowances that are offered within contracts between the Company and its customers, payors, and other indirect customers relating to the Company's sale of its products. These reserves, as detailed below, are based on the related sales, and are classified as reductions of accounts receivable or a current liability. These estimates take into consideration a range of possible outcomes that are probability-weighted in accordance with the expected value method in ASC 606 for relevant factors such as current contractual and statutory requirements, specific known market events and trends, industry data, and forecasted customer buying and payment patterns. Overall, these reserves reflect the Company's best estimates of the amount of consideration to which it is entitled based on the terms of the respective underlying contracts.

The amount of variable consideration that is included in the transaction price may be constrained, and is included in the net sales price only to the extent that it is probable that a significant reversal in the amount of the cumulative revenue recognized under the contract will not occur in a future period. The Company's analyses also contemplated application of the constraint in accordance with the guidance, under which it determined a material reversal of revenue would not occur in a future period for the estimates detailed below as of June 30, 2018 and, therefore, the transaction price was not reduced further during the quarter ended June 30, 2018. Actual amounts of consideration ultimately received may differ from the Company's estimates. If actual results in the future vary from the Company's estimates, the Company will adjust these estimates, which would affect net product revenue and earnings in the period such variances become known.

Trade Discounts and Allowances:

The Company generally provides customers with discounts, which include incentive fees that are explicitly stated in the Company's contracts and are recorded as a reduction of revenue in the period the related product revenue is recognized. The reserve for discounts is established in the same period that the related revenue is recognized, together with reductions to trade receivables, net on the consolidated balance sheets. In addition, the Company compensates its customers for sales order management, data, and distribution services. However, the Company has determined such services received to date are not distinct from the Company's sale of products to its customers and, therefore, these payments have been recorded as a reduction of revenue within the statement of operations and comprehensive loss through June 30, 2018.

Product Returns:

Consistent with industry practice, the Company offers the specialty pharmacies and specialty distributors that are its customers limited product return rights for damaged and expiring product, provided it is within a specified period around the product expiration date as set forth in the applicable individual distribution agreement. The Company estimates the amount of its product sales that may be returned by its customers and records this estimate as a reduction of revenue in the period the related product revenue is recognized, as well as a reduction to trade receivables, net on the consolidated balance sheets. The Company currently estimates product returns using available industry data and its own sales information, including its visibility into the inventory remaining in the distribution channel. The Company has an insignificant amount of returns to date and believes that returns of its products will continue to be minimal.

Provider Chargebacks and Discounts:

Chargebacks for fees and discounts to providers represent the estimated obligations resulting from contractual commitments to sell products to qualified healthcare providers at prices lower than the list prices charged to its customers who directly purchase the product from the Company. Customers charge the Company for the difference between what they pay for the product and the ultimate selling price to the qualified healthcare providers. The reserve for chargebacks is established in the same period that the related revenue is recognized, resulting in a reduction of product revenue and the establishment of a current liability. Chargeback amounts are generally determined at the time of resale to the qualified healthcare provider by customers, and the Company generally issues payments for such amounts within a few weeks of the customer's notification to the Company of the resale. Reserves for chargebacks consist of payments that the Company expects to issue for units that remain in the distribution channel at each reporting period-end that the Company expects will be sold to qualified healthcare providers, and chargebacks that customers have claimed, but for which the Company has not yet issued a payment.

Government Rebates:

The Company is subject to discount obligations under state Medicaid programs and Medicare. These reserves are recorded in the same period the related revenue is recognized, resulting in a reduction of product revenue and the establishment of a current liability, which is included in accrued expenses and other current liabilities on the consolidated balance sheets. For Medicare, the Company also estimates the number of patients in the prescription drug coverage gap for whom the Company will owe an additional liability under the Medicare Part D program. The Company's liability for these rebates consists of invoices received for claims from prior quarters that have not been paid or for which an invoice has not yet been received, estimates of claims for the current quarter, and estimates of future claims that will be made for product that has been recognized as revenue, but which remains in the distribution channel at the end of each reporting period.

Payor Rebates:

The Company contracts with certain private payor organizations, primarily insurance companies and pharmacy benefit managers, for the payment of rebates with respect to utilization of its products. The Company estimates these rebates and records such estimates in the same period the related revenue is recognized, resulting in a reduction of product revenue and the establishment of a current liability.

Other Incentives:

Other incentives the Company offers include voluntary patient assistance programs, such as the co-pay assistance program, which are intended to provide financial assistance to qualified commercially-insured patients with prescription drug co-payments required by payors. The calculation of the accrual for co-pay assistance is based on an estimate of claims and the cost per claim that the Company expects to receive associated with product that has been recognized as revenue, but remains in the distribution channel at the end of each reporting period. The adjustments are recorded in the same period the related revenue is recognized, resulting in a reduction of product revenue and the establishment of a current liability, which is included as a component of accrued expenses and other current liabilities on the consolidated balance sheets.

Assets Measured at Fair Value on a Recurring Basis:

ASC, 820, *Fair Value Measurement*, or ASC 820, provides a single definition of fair value and a common framework for measuring fair value as well as new disclosure requirements for fair value measurements used in financial statements. Under ASC 820, fair value is determined based upon the exit price that would be received by a company to sell an asset or paid by a company to transfer a liability in an orderly transaction between market participants, exclusive of any transaction costs. Fair value measurements are determined by either the principal market or the most advantageous market. The principal market is the market with the greatest level of activity and volume for the asset or liability. Absent a principal market to measure fair value, the Company uses the most advantageous market, which is the market from which the Company would receive the highest selling price for the asset or pay the lowest price to settle the liability, after considering transaction costs. However, when using the most advantageous market, transaction costs are only considered to determine which market is the most advantageous and these costs are then excluded when applying a fair value measurement. ASC 820 creates a three-level hierarchy to prioritize the inputs used in the valuation techniques to derive fair values. The basis for fair value measurements for each level within the hierarchy is described below, with Level 1 having the highest priority and Level 3 having the lowest.

Level 1: Quoted prices in active markets for identical assets or liabilities.

Level 2: Quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs are observable in active markets.

Level 3: Valuations derived from valuation techniques in which one or more significant inputs are unobservable.

Following are the major categories of assets measured at fair value on a recurring basis as of June 30, 2018 and December 31, 2017, using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3) (in thousands):

June 30, 2018	Level 1	Level 2	Level 3	Total
Cash equivalents	\$ 53,203	\$ 20,443	\$ —	\$ 73,646
Commercial paper	—	32,786	—	32,786
Corporate bonds	—	5,814	—	5,814
	<u>\$ 53,203</u>	<u>\$ 59,043</u>	<u>\$ —</u>	<u>\$ 112,246</u>
December 31, 2017	Level 1	Level 2	Level 3	Total
Cash equivalents	\$ 67,753	\$ —	\$ —	\$ 67,753
	<u>\$ 67,753</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 67,753</u>

The Company's investments in commercial paper, corporate bonds and U.S. government securities are exposed to price fluctuations. The fair value measurements for commercial paper, corporate bonds and U.S. government securities are based upon the quoted prices of similar items in active markets multiplied by the number of securities owned.

The cash equivalents balance previously disclosed in the footnotes of the Company's 2017 Annual Report on form 10-K of \$81.7 million incorrectly included cash of \$13.9 million. The Company has excluded cash from the \$67.8 million cash equivalents balance as of December 31, 2017 as currently presented. The misstatement was not material to the previously-reported financial statements.

The following tables summarize the Company's short-term investments (in thousands):

	Maturity (in years)	Amortized cost	Unrealized		Estimated fair value
			Gains	Losses	
June 30, 2018					
Cash equivalents		\$ 73,646	\$ —	\$ —	\$ 73,646
Commercial paper	Less than 1	32,786	—	—	32,786
Corporate bonds	Less than 1	5,815	—	(1)	5,814
		<u>\$ 112,247</u>	<u>\$ —</u>	<u>\$ (1)</u>	<u>\$ 112,246</u>
December 31, 2017					
Cash equivalents		\$ 67,753	\$ —	\$ —	\$ 67,753
		<u>\$ 67,753</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 67,753</u>

Concentration of Risk:

Financial instruments, which potentially subject the Company to concentrations of credit risk, principally consist of cash and cash equivalents and accounts receivable. The Company's cash and cash equivalents and restricted cash in excess of the Federal Deposit Insurance Corporation and the Securities Investor Protection Corporation insured limits at June 30, 2018, were approximately \$100.7 million. The Company does not believe it is exposed to any significant credit risk due to the quality nature of the financial instruments in which the money is held. Pursuant to the Company's internal investment policy, investments must be rated A-1/P-1 or better by Standard and Poor's Rating Service and Moody's Investors Service at the time of purchase.

The Company sells its products in the United States primarily through specialty pharmacies and specialty distributors. Therefore, wholesale distributors and large pharmacy chains account for a large portion of its trade receivables and net product revenues. The creditworthiness of its customers is continuously monitored, and the Company has internal policies regarding customer credit limits. The Company estimates an allowance for doubtful accounts primarily based on the credit worthiness of our customers, historical payment patterns, aging of receivable balances and general economic conditions.

The Company's success depends on its ability to successfully commercialize NERLYNX. The Company currently has a single product with limited commercial sales experience, which makes it difficult to evaluate its current business, predict its future prospects and forecast financial performance and growth. The Company has invested a significant portion of its efforts and financial resources in the development and commercialization of the lead product, NERLYNX, and expects NERLYNX to constitute the vast majority of product revenue for the foreseeable future. The Company's success depends on its ability to effectively commercialize NERLYNX.

The Company relies exclusively on third parties to formulate and manufacture NERLYNX and its drug candidates. The commercialization of NERLYNX and any other drug candidates, if approved, could be stopped, delayed or made less profitable if those third parties fail to provide sufficient quantities of product or fail to do so at acceptable quality levels or prices. The Company has no experience in drug formulation or manufacturing and does not intend to establish its own manufacturing facilities. The Company lacks the resources and expertise to formulate or manufacture NERLYNX and other drug candidates. While the drug candidates were being developed by Pfizer, both the drug substance and drug product were manufactured by third-party contractors. The Company is using the same third-party contractors to manufacture, supply, store and distribute drug supplies for clinical trials and the commercialization of NERLYNX. If the Company is unable to continue its relationships with one or more of these third-party contractors, it could experience delays in the development or commercialization efforts as it locates and qualifies new manufacturers. The Company intends to rely on one or more third-party contractors to manufacture the commercial supply of drugs.

Research and Development Expenses:

Research and development expenses, or R&D, are charged to operations as incurred. The major components of research and development expenses include clinical manufacturing costs, clinical trial expenses, consulting and other third-party costs, salaries and employee benefits, stock-based compensation expense, supplies and materials, and allocations of various overhead costs. Clinical trial expenses include, but are not limited to, investigator fees, site costs, comparator drug costs, and clinical research organization, or CRO, costs. In the normal course of business, the Company contracts with third parties to perform various clinical trial activities in the

ongoing development of potential products. The financial terms of these agreements are subject to negotiation and variations from contract to contract and may result in uneven payment flows. Payments under the contracts depend on factors such as the achievement of certain events, the successful enrollment of patients and the completion of portions of the clinical trial or similar conditions. The Company's accruals for clinical trials are based on estimates of the services received and efforts expended pursuant to contracts with numerous clinical trial sites, cooperative groups and CROs. The objective of the Company's accrual policy is to match the recording of expenses in the unaudited condensed consolidated financial statements to the actual services received and efforts expended. As actual costs become known, the Company adjusts its accruals in that period.

In instances where the Company enters into agreements with third parties for clinical trials and other consulting activities, upfront amounts are recorded to prepaid expenses and other in the accompanying unaudited condensed consolidated balance sheets and expensed as services are performed or as the underlying goods are delivered. If the Company does not expect the services to be rendered or goods to be delivered, any remaining capitalized amounts for non-refundable upfront payments are charged to expense immediately. Amounts due under such arrangements may be either fixed fee or fee for service, and may include upfront payments, monthly payments and payments upon the completion of milestones or receipt of deliverables.

Costs related to the acquisition of technology rights and patents for which development work is still in process are charged to operations as incurred and considered a component of research and development costs.

Stock-Based Compensation:

Stock Option Awards:

ASC 718, *Compensation-Stock Compensation*, or ASC 718, requires the fair value of all stock-based payments to employees, including grants of stock options, to be recognized in the statement of operations over the requisite service period. Under ASC 718, employee option grants are generally valued at the grant date and those valuations do not change once they have been established. The fair value of each option award is estimated on the grant date using the Black-Scholes Option Pricing Method. As allowed by ASC 718, the Company's estimate of expected volatility is based on its average volatilities using its past six years of publicly traded stock history. Prior to 2018, while the Company had a short period of publicly traded stock history, the Company calculated its estimate of average volatility based on a sampling of companies with similar attributes, including industry, stage of life cycle, size and financial leverage. The risk-free rate for periods within the contractual life of the option is based on the U.S. Treasury yield curve in effect at the time of grant valuation. Option forfeitures are calculated when the option is granted to reduce the option expense to be recognized over the life of the award and updated upon receipt of further information as to the amount of options expected to be forfeited. The option expense is "trued-up" upon the actual forfeiture of a stock option grant. Due to its limited history, the Company uses the simplified method to determine the expected life of the option grants.

Restricted Stock Units:

Restricted stock units, or RSUs, are valued on the grant date and the fair value of the RSUs is equal to the market price of the Company's common stock on the grant date. The RSU expense is recognized over the requisite service period. When the requisite service period begins prior to the grant date (because the service inception date occurs prior to the grant date), the Company is required to begin recognizing compensation cost before there is a measurement date (i.e., the grant date). The service inception date is the beginning of the requisite service period. If the service inception date precedes the grant date, accrual of compensation cost for periods before the grant date shall be based on the fair value of the award at the reporting date. In the period in which the grant date occurs, cumulative compensation cost shall be adjusted to reflect the cumulative effect of measuring compensation cost based on fair value at the grant date rather than the fair value previously used at the service inception date (or any subsequent reporting date).

Income Taxes:

In accordance with ASC 740, *Income Taxes*, or ASC 740, each interim reporting period is considered integral to the annual period, and tax expense is measured using an estimated annual effective tax rate. An entity is required to record income tax expense each quarter based on its annual effective tax rate estimated for the full fiscal year and use that rate to provide for income taxes on a current year-to-date basis, adjusted for discrete taxable events that occur during the interim period.

Our income tax returns are based on calculations and assumptions subject to audit by various tax authorities. In addition, the calculation of our tax liabilities involves dealing with uncertainties in the application of complex tax laws.

On December 22, 2017, H.R. 1/Public Law No. 115-97 known as the Tax Cuts and Jobs Act, or the Tax Act, was signed into law. The effects of this new federal legislation are recognized upon enactment, which is the date a bill is signed into law. The Tax Act includes numerous changes in existing tax law, including a permanent reduction in the federal corporate income tax rate from 35% (as

the top corporate tax rate) to 21%. As a result of the Tax Act, the Company has revalued its net deferred tax assets as of December 31, 2017 to reflect the rate reduction. Tax rates used for the ASC 740 interim reporting reflect the newly enacted corporate tax rate of 21% and adjustments used for the estimated annual effective tax rate calculation reflect changes from the Tax Act.

Pursuant to the SEC Staff Accounting Bulletin No. 118, "Income Tax Accounting Implications of the Tax Cuts and Jobs Act," or SAB 118, a company may select between one of three scenarios to determine a reasonable estimate arising from the Tax Act. Those scenarios are (i) a final estimate which effectively closes the measurement window; (ii) a reasonable estimate leaving the measurement window open for future revisions; and (iii) no estimate as the law is still being analyzed. The Company was able to provide a reasonable estimate for the revaluation of deferred taxes by recording a net tax provision of \$141.1 million in the period ending December 31, 2017, which is offset by a full valuation allowance. Other impacts of the Tax Act including, but not limited to, a limitation of the deduction for net operating losses, expensing of qualified property and additional limitations on the deductibility of executive compensation are not expected to have a material impact to the financial statement presentation or disclosures. The Company's review of the final impact of the Tax Act may be different from certain provisional amounts reported due to changes in interpretations and assumptions of the current guidance available as well as the issuance of new regulatory guidance in the future. As of June 30, 2018, the Company has not made any measurement period adjustments related to SAB 118, which was elected during the fourth quarter of 2017. The other income tax accounting implications resulting from the Tax Act do not have a material impact to the Company. The Company anticipates the full financial impact will be determined at the time its 2017 U.S. corporate income tax return is filed in 2018.

Segment Reporting:

Management has determined that the Company operates in one business segment, which is the development and commercialization of innovative products to enhance cancer care.

Net Loss per Common Share:

Basic net loss per common share is computed by dividing net loss applicable to common stockholders by the weighted average number of common shares outstanding during the periods presented, as required by ASC 260, *Earnings per Share*. For purposes of calculating diluted loss per common share, the denominator includes both the weighted average number of common shares outstanding and the number of dilutive common stock equivalents, such as stock options, RSUs and warrants. A common stock equivalent is not included in the denominator when calculating diluted earnings per common share if the effect of such common stock equivalent would be anti-dilutive. For the three and six months ended June 30, 2018, potentially dilutive securities excluded from the calculations were 5,919,688 shares issuable upon exercise of options, 2,116,250 shares issuable upon exercise of a warrant, and 1,652,141 shares underlying RSUs that were subject to vesting and were antidilutive. For the three and six months ended June 30, 2017, potentially dilutive securities excluded from the calculations were 6,662,753 shares issuable upon exercise of options, 2,116,250 shares issuable upon exercise of a warrant, and 669,862 shares underlying RSUs that were subject to vesting and were antidilutive.

Recently Issued Accounting Standards:

In January 2016, the Financial Accounting Standards Board, or FASB, issued Accounting Standards Update, or ASU, No. 2016-01, *Recognition and Measurement of Financial Assets and Financial Liabilities*. ASU No. 2016-01 requires equity investments to be measured at fair value with changes in fair value recognized in net income; simplifies the impairment assessment of equity investments without readily determinable fair values by requiring a qualitative assessment to identify impairment; eliminates the requirement for public business entities to disclose the method(s) and significant assumptions used to estimate the fair value that is required to be disclosed for financial instruments measured at amortized cost on the balance sheet; requires public business entities to use the exit price notion when measuring the fair value of financial instruments for disclosure purposes; requires an entity to present separately in other comprehensive income the portion of the total change in the fair value of a liability resulting from a change in the instrument-specific credit risk when the entity has elected to measure the liability at fair value in accordance with the fair value option for financial instruments; requires separate presentation of financial assets and financial liabilities by measurement category and form of financial assets on the balance sheet or the accompanying notes to the condensed consolidated financial statements; and clarifies that an entity should evaluate the need for a valuation allowance on a deferred tax asset related to available-for-sale securities in combination with the entity's other deferred tax assets. ASU No. 2016-01 is effective for financial statements issued for fiscal years beginning after December 15, 2017, and interim periods within those fiscal years. The Company adopted ASU No. 2016-01 in the first quarter of 2018 with no impact to its consolidated financial statements and related disclosures.

In February 2016, the FASB issued ASU No. 2016-02, *Leases*. The amendments in ASU 2016-02 will require organizations that lease assets, with lease terms of more than 12 months, to recognize on their balance sheet the assets and liabilities for the rights and obligations created by those leases. Consistent with current GAAP, the recognition, measurement, and presentation of expenses and cash flows arising from a lease by a lessee primarily will depend on its classification as a finance or operating lease. However, unlike current GAAP which requires only capital leases to be recognized on the balance sheet, ASU No. 2016-02 will require both types of leases to be

recognized on the balance sheet. ASU 2016-02 will be effective for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. Early adoption is permitted. The Company is currently in the process of evaluating the impact of ASU 2016-02 on the Company's outstanding leases and expects that adoption will materially increase our assets and liabilities on the consolidated balance sheets related to recording right-of-use assets and corresponding lease liabilities.

In August 2016, the FASB issued ASU 2016-15, *Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments (a consensus of the Emerging Issues Task Force)*, which addresses the diversity in practice in how certain cash receipts and cash payments are presented and classified in the statement of cash flows. This update addresses eight specific cash flow issues with the objective of reducing the existing diversity in practice. ASU 2016-15 will be effective for fiscal years beginning after December 15, 2017, and interim periods within those fiscal years. Early adoption is permitted, including adoption in an interim period. The Company adopted ASU 2016-15 in the first quarter of 2018 with no impact to its consolidated financial statements and related disclosures.

In November 2016, the FASB issued ASU No. 2016-18, *Statement of Cash Flows (Topic 230): Restricted Cash* that changes the presentation of restricted cash and cash equivalents on the statement of cash flows. Restricted cash and restricted cash equivalents will be included with cash and cash equivalents when reconciling the beginning-of-period and end-of-period total amounts shown on the statement of cash flows. This amendment is effective for the Company in the fiscal year beginning after December 15, 2017, but early adoption is permissible. The Company adopted ASU 2016-18 in the first quarter of 2018. The Company noted a change in the beginning-of-period and end-of-period total amounts within the statement of cash flows due to the inclusion of restricted cash within cash and cash equivalents.

Note 3—Prepaid Expenses and Other:

Prepaid expenses and other consisted of the following (in thousands):

	June 30, 2018	December 31, 2017
Current:		
CRO services	\$ 6,548	\$ 7,188
Other clinical development	1,023	878
Insurance	632	1,306
Other	3,527	3,625
	<u>11,730</u>	<u>12,997</u>
Long-term:		
CRO services	1,382	860
Other clinical development	1,054	886
Insurance	34	26
Other	81	217
	<u>2,551</u>	<u>1,989</u>
Totals	<u>\$ 14,281</u>	<u>\$ 14,986</u>

Other prepaid amounts consist primarily of deposits, licenses, subscriptions, software, and professional fees.

Note 4—Property and Equipment:

Property and equipment consisted of the following (in thousands):

	<u>June 30, 2018</u>	<u>December 31, 2017</u>
Property and Equipment:		
Leasehold improvements	\$ 4,093	\$ 3,878
Computer equipment	2,293	2,147
Telephone equipment	302	302
Furniture and fixtures	2,237	2,206
	<u>8,925</u>	<u>8,533</u>
Less: accumulated depreciation and amortization	(4,614)	(4,063)
Totals	<u>\$ 4,311</u>	<u>\$ 4,470</u>

Note 5—Intangible assets, net:

Intangible assets, net consisted of the following (dollars in thousands):

	<u>June 30, 2018</u>	<u>Estimated useful life</u>
Acquired and in-licensed rights	\$ 50,000	13 Years
Less: accumulated amortization	(3,618)	
Total intangible asset, net	<u>\$ 46,382</u>	

Note 6—Accrued Expenses:

Accrued expenses consisted of the following (in thousands):

	<u>June 30, 2018</u>	<u>December 31, 2017</u>
Accrued CRO services	8,337	\$ 8,335
Accrued other clinical development	3,683	3,438
Accrued legal fees	3,617	2,046
Accrued compensation	4,263	2,797
Accrued bonus	4,218	3,376
Accrued royalties	7,615	3,922
Accrued variable consideration	4,863	1,425
Other	4,598	5,309
Totals	<u>\$ 41,194</u>	<u>\$ 30,648</u>

Accrued CRO services and accrued other clinical development expenses represent the Company's estimates of such costs. Accrued compensation includes sales commissions and vacation. Additionally, vacation is accrued at the rate the employee earns vacation and reduced as vacation is used by the employee. Accrued royalties represent royalties incurred in connection with the Company's license agreement with the Licensor and accrued variable consideration represents estimates of variable consideration for which reserves are established. Accrued expenses are adjusted in the period the actual costs come known.

Note 7—Debt:

Long term debt consisted of the following at June 30, 2018 (dollars in thousands):

	<u>June 30, 2018</u>	<u>Maturity Date</u>
Long term debt	\$ 125,000	May 1, 2023
Less: deferred financing costs	(4,731)	
Total long term debt, net	<u>\$ 120,269</u>	

On October 31, 2017, the Company entered into a loan and security agreement with SVB, as administrative agent, and the lenders party thereto from time to time, including Oxford and SVB. Pursuant to the terms of the credit facility provided for by the loan and security agreement, the Company borrowed \$50.0 million.

On May 8, 2018, or the Amendment Date, the Company entered into the first amendment to the loan and security agreement. Under the amended credit facility, the lenders agreed to make term loans available to the Company in an aggregate amount of \$155.0 million, consisting of (i) an aggregate amount of \$125.0 million available on the Amendment Date, the proceeds of which, in part, were used to repay the \$50.0 million borrowed under the original credit facility, and (ii) an aggregate amount of \$30.0 million available to be drawn at the Company's option between September 30, 2018 and December 31, 2018, provided the Company has achieved a specified minimum revenue milestone and no event of default is occurring. Proceeds from the term loans under the amended credit facility may be used for working capital and general business purposes. Upon entry into the amended credit facility, the Company was required to pay the lenders aggregate fees of \$4.2 million, consisting of a first amendment facility fee of \$0.4 million and a final payment of \$3.8 million in connection with the repayment of the \$50.0 million borrowed under the original credit facility. The amended credit facility is secured by substantially all of the Company's personal property other than its intellectual property. The Company also pledged 65% of the issued and outstanding capital stock of its subsidiary, Puma Biotechnology Ltd.

The term loans under the amended credit facility bear interest at an annual rate equal to the greater of (i) 8.25% and (ii) the sum of (a) the "prime rate," as reported in The Wall Street Journal on the last business day of the month that immediately precedes the month in which the interest will accrue, plus (b) 3.5%. The Company is required to make monthly interest-only payments on each term loan commencing on the first calendar day of the calendar month following the funding date of such term loan, and continuing on the first calendar day of each calendar month thereafter through July 1, 2020. Commencing on July 1, 2020, and continuing on the first calendar day of each calendar month thereafter, the Company will make consecutive equal monthly payments of principal, together with applicable interest, in arrears to each lender, calculated pursuant to the amended credit facility. All unpaid principal and accrued and unpaid interest with respect to each term loan is due and payable in full on May 1, 2023. Upon repayment of the term loans, the Company is also required to make a final payment to the lenders equal to 7.5% of the original principal amount of term loans funded.

At the Company's option, the Company may prepay the outstanding principal balance of any term loan in whole but not in part, subject to a prepayment fee of 3.0% of any amount prepaid if the prepayment occurs through and including the first anniversary of the funding date of such term loan, 2.0% of any amount prepaid if the prepayment occurs after the first anniversary of the funding date of such term loan through and including the second anniversary of the funding date of such term loan, and 1.0% of the amount prepaid if the prepayment occurs after the second anniversary of the funding date of such term loan and prior to May 1, 2023.

The amended credit facility includes affirmative and negative covenants applicable to the Company, its current subsidiary and any subsidiaries the Company creates in the future. The affirmative covenants include, among others, covenants requiring the Company to maintain its legal existence and governmental approvals, deliver certain financial reports, maintain insurance coverage and satisfy certain requirements regarding deposit accounts. The Company must also achieve product revenue, measured as of the last day of each fiscal quarter on a trailing 3-month basis, that is (i) greater than or equal to 70% of the Company's revenue target set forth in its board-approved projections for the 2018 fiscal year and (ii) greater than or equal to 50% of the Company's revenue target set forth in its board-approved projections for the 2019 fiscal year. New minimum revenue levels will be established for each subsequent fiscal year by mutual agreement of the Company, SVB as administrative agent, and the lenders. The negative covenants include, among others, restrictions on the Company's transferring collateral, incurring additional indebtedness, engaging in mergers or acquisitions, paying dividends or making other distributions, making investments, creating liens, selling assets and suffering a change in control, in each case subject to certain exceptions.

The amended credit facility also includes events of default, the occurrence and continuation of which could cause interest to be charged at the rate that is otherwise applicable plus 5.0% and would provide SVB, as collateral agent, with the right to exercise remedies against the Company and the collateral securing the amended credit facility, including foreclosure against the property securing the credit facilities, including its cash. These events of default include, among other things, the Company's failure to pay principal or interest due under the amended credit facility, a breach of certain covenants under the amended credit facility, the Company's insolvency, a material adverse change, the occurrence of any default under certain other indebtedness in an amount greater than \$0.5 million and one or more judgments against the Company in an amount greater than \$0.5 million individually or in the aggregate.

On the Amendment Date, the Company issued to SVB and Oxford, as the sole lenders on the Amendment Date, secured promissory notes in an aggregate principal amount of \$125.0 million evidencing the amended credit facility.

Note 8—Stockholders' Equity:**Stock Options and Restricted Stock Units:**

The Company's 2011 Incentive Award Plan, as amended, or the 2011 Plan, was adopted by the Company's board of directors on September 15, 2011. Pursuant to the 2011 Plan, the Company may grant incentive stock options and nonqualified stock options, as well as other forms of equity-based compensation. Incentive stock options may be granted only to employees, while consultants, employees, officers and directors are eligible for the grant of nonqualified options under the 2011 Plan. The maximum term of stock options granted under the 2011 Plan is 10 years. The exercise price of incentive stock options granted under the 2011 Plan must be at least equal to the fair value of such shares on the date of grant. Through June 30, 2018, a total of 12,529,412 shares of the Company's common stock had been reserved for issuance under the 2011 Plan. As of June 30, 2018, 7,284,579 shares of the Company's common stock are issuable upon the vesting of RSU awards or exercise of outstanding awards granted under the 2011 Plan. As of June 30, 2018, 2,598,739 shares of the Company's common stock are available for future issuance under the 2011 Plan.

The Company's 2017 Employment Inducement Incentive Award Plan, or the 2017 Plan, was adopted by the Company's board of directors on April 27, 2017. Pursuant to the 2017 Plan, the Company may grant stock options and RSUs, as well as other forms of equity-based compensation to employees, as an inducement to join the Company. The maximum term of stock options granted under the 2017 Plan is 10 years. The exercise price of stock options granted under the 2017 Plan must be at least equal to the fair market value of such shares on the date of grant. As of June 30, 2018, a total of 1,000,000 shares of the Company's common stock had been reserved for issuance under the 2017 Plan. As of June 30, 2018, 287,250 shares of the Company's common stock are issuable upon the vesting of RSU awards granted under the 2017 Plan. As of June 30, 2018, 712,750 shares of the Company's common stock are available for future issuance under the 2017 Plan.

Stock-based compensation was as follows for the three and six months ended June 30 (in thousands except per share data):

	For the Three Months Ended June 30,		For the Six Months Ended June 30,	
	2018	2017	2018	2017
Stock-based compensation:				
Options -				
Research and development	\$ 7,229	\$ 17,886	\$ 17,301	\$ 38,237
Selling, general and administrative	4,118	6,365	8,589	12,554
Restricted stock units -				
Selling, general and administrative	4,454	985	8,949	2,080
Research and development	6,383	1,727	12,697	3,851
Total stock-based compensation expense	\$ 22,184	\$ 26,963	\$ 47,536	\$ 56,722

The fair value of options granted to employees was estimated using the Black-Scholes Option Pricing Method (see Note 2 –Significant Accounting Policies) with the following weighted-average assumptions used during the six months ended June 30, 2018 and 2017.

	2018	2017
Dividend yield	0.0%	0.0%
Expected volatility	95.5%	70.2%
Risk-free interest rate	2.5%	2.0%
Expected life in years	5.85	5.83

Activity with respect to options granted under the 2011 Plan and 2017 Plan is summarized as follows:

	Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value (in thousands)
Outstanding at December 31, 2017	6,134,513	\$ 87.91	7.2	\$ 220,060
Granted	225,566	\$ 73.40	9.6	
Forfeited	(130,641)	\$ 54.64		
Exercised	(162,706)	\$ 35.96		\$ 4,546
Expired	(147,044)	\$ 121.77		
Outstanding at June 30, 2018	5,919,688	\$ 88.68	6.7	\$ 72,371
Nonvested at June 30, 2018	1,160,293	\$ 53.00	8.5	\$ 15,004

At June 30, 2018, total estimated unrecognized employee compensation cost related to non-vested stock options granted prior to that date was approximately \$34.3 million, which is expected to be recognized over a weighted-average period of 1.5 years. At June 30, 2018, the total estimated unrecognized employee compensation cost related to non-vested RSUs was approximately \$105.3 million, which is expected to be recognized over a weighted-average period of 2.2 years. The weighted-average grant date fair value of options granted during the six months ended June 30, 2018 and 2017 was \$56.46 and \$24.30 per share, respectively. The weighted average grant date fair value of RSUs awarded during the six months ended June 30, 2018 was \$65.80. No RSUs were awarded prior to June 30, 2017.

Stock options	Shares	Weighted Average Grant-Date Fair Value
Nonvested shares at December 31, 2017	1,788,436	\$ 33.37
Granted	225,566	\$ 56.46
Vested/Issued	(723,068)	\$ 38.95
Forfeited	(130,641)	\$ 32.95
Nonvested shares at June 30, 2018	1,160,293	\$ 34.42

Restricted stock units	Shares	Weighted Average Grant-Date Fair Value
Nonvested shares at December 31, 2017	1,637,662	\$ 85.58
Granted	307,195	\$ 65.80
Vested/Issued	(136,022)	\$ 58.07
Forfeited	(156,694)	\$ 85.43
Nonvested shares at June 30, 2018	1,652,141	\$ 84.18

Note 9—401(k) Savings Plan:

During 2012, the Company adopted a 401(k) savings plan for the benefit of its employees. The Company is required to make matching contributions to the 401(k) plan equal to 100% of the first 3% of wages deferred by each participating employee and 50% on the next 2% of wages deferred by each participating employee. The Company incurred expenses for employer matching contributions of approximately \$0.9 million and \$0.4 million for the six months ended June 30, 2018 and 2017, respectively.

Note 10—Commitments and Contingencies:**Contractual Obligations:**

Contractual obligations represent future cash commitments and liabilities under agreements with third parties, and exclude contingent liabilities for which the Company cannot reasonably predict future payment. The Company's contractual obligations result primarily from obligations for various contract manufacturing organizations and clinical research organizations, which include potential payments we may be required to make under our agreements. The contracts also contain variable costs and milestones that are hard to predict as they are based on such things as patients enrolled and clinical trial sites. The timing of payments and actual amounts paid under contract manufacturing organization, or CMO, and CRO agreements may be different depending on the timing of receipt of goods or services or changes to agreed-upon terms or amounts for some obligations. Also, those agreements are cancelable upon written notice by the Company and, therefore, not long-term liabilities.

Legal Proceedings

The Company and certain of its executive officers were named as defendants in the lawsuits detailed below. Due to the stage of these proceedings, the Company cannot reasonably predict the outcome, nor can it estimate the amount of loss or range of loss, if any, that may result. The Company records a liability in the consolidated financial statements for loss contingencies when a loss is known or considered probable and the amount can be reasonably estimated. If the reasonable estimate of a known or probable loss is a range, and no amount within the range is a better estimate than any other, the minimum amount of the range is accrued. If a loss is reasonably possible but not known or probable, and can be reasonably estimated, the estimated loss or range of loss is disclosed. When determining the estimated loss or range of loss, significant judgment is required to estimate the amount and timing of a loss to be recorded. An adverse outcome in these proceedings would likely not have a material adverse effect on the Company's results of operations, cash flows or financial condition.

Hsu vs. Puma Biotechnology, Inc., et. al.

On June 3, 2015, Hsingching Hsu individually and on behalf of all others similarly situated, filed a class action lawsuit against the Company and certain of the Company's executive officers in the United States District Court for the Central District of California (Case No. 8:15-cv-00865-AG-JCG). On October 16, 2015, lead plaintiff Norfolk Pension Fund filed a consolidated complaint on behalf of all persons who purchased the Company's securities between July 22, 2014 and May 29, 2015. The consolidated complaint alleges that the Company and certain of its executive officers made false or misleading statements and failed to disclose material adverse facts about its business, operations, prospects and performance in violation of Sections 10(b) (and Rule 10b-5 promulgated thereunder) and 20(a) of the Exchange Act. The plaintiff seeks damages, interest, costs, attorneys' fees, and other unspecified equitable relief. On July 10, 2018, the Company and two of its executive officers filed a motion for summary judgment seeking judgment in their favor on all claims. At the same time, the lead plaintiff filed its own motion for summary judgment, seeking judgment in favor on some, but not all, of its claims. The motions are scheduled for a hearing in court in September 2018. Pending those motions, a trial date is currently set for November 6, 2018. The Company intends to vigorously defend against this matter.

Eshelman vs. Puma Biotechnology, Inc., et. al.

On February 2, 2016, Fredric N. Eshelman filed a lawsuit against the Company's Chief Executive Officer and President, Alan H. Auerbach, and the Company in the United States District Court for the Eastern District of North Carolina (Case No. 7:16-cv-00018-D). The complaint generally alleges that Mr. Auerbach and the Company made defamatory statements regarding Dr. Eshelman in connection with a proxy contest. Dr. Eshelman seeks compensatory and punitive damages and expenses and costs, including attorneys' fees. On April 4, 2016, the Company filed a motion to dismiss the complaint. On May 2, 2016, Dr. Eshelman filed a notice of voluntary dismissal of the claims against Mr. Auerbach. On February 6, 2017, the court denied the Company's motion to dismiss. Discovery ended in September 2017. The Company intends to vigorously defend against Dr. Eshelman's claims.

Derivative Actions

On April 12 and April 14, 2016, purported stockholders of the Company filed two derivative lawsuits purportedly on behalf of the Company against certain of the Company's officers and directors in the Superior Court of the State of California, Los Angeles, captioned Xing Xie v. Alan H. Auerbach, No. BC616617, and Kevin McKenney v. Auerbach, No. BC617059. The complaints asserted claims for breach of fiduciary duty, unjust enrichment, abuse of control, mismanagement and waste of corporate assets arising from substantially similar allegations as those contained in the securities class action described above.

Separately, on February 9, 2018, another purported stockholder filed a derivative lawsuit purportedly on behalf of the Company against certain of its officers and directors in the United States District Court, Central District of California, captioned Arnaud Van Der Gracht De Rommerswael vs. Alan H. Auerbach, et al., No. 8:18-cv-00236. The complaint asserted claims for violation of securities law, breach of fiduciary duty, waste of corporate assets, and unjust enrichment arising from substantially similar allegations as those contained in the securities class action described above.

On May 30, 2018, another purported stockholder filed a derivative lawsuit purportedly on behalf of the Company against certain of its officers and directors in the United States District Court, Central District of California, captions Paul Duran vs. Alan H. Auerbach, et al., No. 2:18-cv-04802. The complaint asserted claims for violations of securities law, breach of fiduciary duties, unjust enrichment, abuse of control, gross mismanagement, and waste of corporate assets.

On July 30, 2018, the parties reached a settlement in principle of the Xie, Rommerswael and Duran lawsuits, and they intend to submit the final settlement agreement for court approval. The Company expects any amounts due as part of the settlement will be covered by the Company's insurance policies.

Note 11—Subsequent Events:

On July 30, 2018, the parties reached a settlement in principle of the Xie, Rommerswael and Duran lawsuits, and they intend to submit the final settlement agreement for court approval. The Company expects any amounts due as part of the settlement will be covered by the Company's insurance policies.

Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our unaudited condensed consolidated financial statements and the notes thereto included in Item 1 in this Quarterly Report on Form 10-Q. The following discussion should also be read in conjunction with our audited consolidated financial statements and the notes thereto and "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in our Annual Report on Form 10-K for the year ended December 31, 2017.

Unless otherwise provided in this Quarterly Report, references to the "Company," "we," "us," and "our" refer to Puma Biotechnology, Inc., a Delaware corporation, together with its wholly-owned subsidiary, Puma Biotechnology Ltd.

Overview

We are a biopharmaceutical company with a focus on the development and commercialization of innovative products to enhance cancer care. We in-license the global development and commercialization rights to three drug candidates—PB272 (neratinib (oral)), PB272 (neratinib (intravenous)) and PB357. Neratinib is a potent irreversible tyrosine kinase inhibitor, or TKI, that blocks signal transduction through the epidermal growth factor receptors, HER1, HER2 and HER4. Currently, we are primarily focused on the development and commercialization of the oral version of neratinib, and our most advanced drug candidates are directed at the treatment of HER2-positive breast cancer. We believe neratinib has clinical application in the treatment of several other cancers as well, including non-small cell lung cancer and other tumor types that over-express or have a mutation in HER2. Prior to 2017, our efforts and resources had been focused primarily on acquiring and developing our pharmaceutical technologies, raising capital and recruiting personnel. During 2017, the United States Food and Drug Administration, or FDA, approved NERLYNX (neratinib), formally known as PB272 (neratinib (oral)), for the extended adjuvant treatment of adult patients with early stage HER2-overexpressed/amplified breast cancer following adjuvant trastuzumab-based therapy. Before we can market neratinib in countries outside the United States, we must receive regulatory approval from the appropriate government entities in those countries. Developing drug products is a lengthy and very expensive process.

We completed a Phase III clinical trial of neratinib for the extended adjuvant treatment of patients with early stage HER2-positive breast cancer, which we refer to as the ExteNET trial. Based on the results from the ExteNET trial, we submitted a Marketing Authorization Application, or MAA, with the European Medicines Agency, or EMA, in June 2016. Following the adoption of a negative opinion and the recommended refusal by the EMA's Committee for Medicinal Products for Human Use, or CHMP, of our MAA for neratinib for the extended adjuvant treatment of early-stage HER2 positive breast cancer, we requested a re-examination of the same. On June 28, 2018, the CHMP adopted a positive opinion, recommending marketing authorization for NERLYNX for the extended adjuvant treatment of adult patients with early stage hormone receptor positive HER2-overexpressed/amplified breast cancer and who are less than one year from the completion of prior adjuvant trastuzumab-based therapy. The CHMP recommendation will now be reviewed by the European Commission, which has the authority to approved medicines for the European Union.

We have entered into exclusive license agreements with Specialised Therapeutics Asia Pte Ltd., Medison Pharma Ltd., CANbridgepharma Limited and, Pint Pharma International SA to pursue regulatory approval and commercialize NERLYNX, if approved, in South East Asia, Israel, greater China and Latin America, respectively. We plan to continue to pursue commercialization of NERLYNX in other countries outside the United States, if approved, and will evaluate various commercialization options in those countries, including developing a direct salesforce, contracting with third parties to provide sales and marketing capabilities, or some combination of these two options. We expect that our expenses will continue to increase as we continue commercialization efforts.

Our license agreement with Pfizer, Inc., or Pfizer, for PB272 established a limit for our expenses related to the Pfizer-initiated clinical trials for PB272 that were ongoing at the time of the agreement. This capped our "out-of-pocket" costs incurred in conducting these existing trials beginning January 1, 2012. We reached the cost cap during the fourth quarter of 2012, which resulted in a reduction of our research and development, or R&D, expenses for the fourth quarter of 2012 and for the year ended December 31, 2013. In July 2014, we signed an amendment to the license agreement with Pfizer whereby we would be responsible for the expenses incurred or accrued in conducting the ongoing legacy clinical trials after December 31, 2013. Additionally, our expenses to date have been related to hiring staff, commencing company-sponsored clinical trials and the build out of our corporate infrastructure. As we proceed with clinical development of PB272 (neratinib (oral)), and as we further develop PB272 (neratinib (intravenous)), and PB357, our second and third product candidates, respectively, we expect our clinical R&D expenses and expenses related to our third-party contractors associated with clinical operations will begin to decline unless we decide to pursue additional clinical trials in alternate indications or acquire additional product candidates.

To the extent we are successful in acquiring additional product candidates for our development pipeline, our need to finance R&D will increase. Accordingly, our success depends not only on the safety and efficacy of our product candidates, but also on our ability to finance product development. Our major sources of working capital have been proceeds from public offerings of our common stock, proceeds from our credit facility, sales of our common stock in private placements and licensing of our own intellectual property.

Critical Accounting Policies

As of the date of the filing of this Quarterly Report, we believe there have been no material changes to our critical accounting policies and estimates during the three months ended June 30, 2018 from our accounting policies at December 31, 2017, as reported in our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, with the exception of the sub-license agreements listed below:

License Revenue:

We also recognize license revenue under certain of our license agreements that are within the scope of ASC 606. The terms of these agreements may contain multiple performance obligations, which may include licenses and research and development activities. We evaluate these agreements under ASC 606 to determine the distinct performance obligations. Non-refundable, up-front fees that are not contingent on any future performance and require no consequential continuing involvement by us, are recognized as revenue when the license term commences and the licensed data, technology or product is delivered. We defer recognition of non-refundable upfront license fees if the performance obligations are not satisfied.

Prior to recognizing revenue, we make estimates of the transaction price, including variable consideration that is subject to a constraint. Amounts of variable consideration are included in the transaction price to the extent that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur and when the uncertainty associated with the variable consideration is subsequently resolved. Variable consideration may include nonrefundable upfront license fees, payments for research and development activities, reimbursement of certain third-party costs, payments based upon the achievement of specified milestones, and royalty payments based on product sales derived from the collaboration.

If there are multiple distinct performance obligations, we allocate the transaction price to each distinct performance obligation based on its relative standalone selling price. The standalone selling price is generally determined based on the prices charged to customers or using expected cost plus margin. Revenue is recognized by measuring the progress toward complete satisfaction of the performance obligations.

During the first quarter of 2018, we entered into sub-license agreements with CANbridge and Medison, to pursue regulatory approval and commercialize NERLYNX, if approved, in the People's Republic of China (including mainland China, Hong Kong, Macao, and Taiwan) and Israel, respectively. The license agreements granted intellectual property rights and set forth the parties' respective obligations with respect to development, commercialization and supply of the licensed product. For both license agreements, non-refundable, upfront license fees were received and recognized as license revenue in accordance with ASC 606. Each respective license agreement met the contract existence criteria and contained distinct, identifiable performance obligations for which the stand-alone selling prices were readily determinable and allocable. We are obligated to supply both CANbridge and Medison with the licensed product in accordance with the respective supply agreements. These supply arrangements have been identified as separate performance obligations. We also identified the Joint Steering Committee as a separate, distinct performance obligation. To determine the respective stand-alone selling prices, we estimated the transaction prices, including any variable consideration, at contract inception and determined the fair value of such obligations based on similar arrangements. When determining the transaction prices, we assumed that the goods or services will be transferred to the customer based on the terms of the existing contract, and did not take into consideration the possibility of a contract being canceled, renewed, or modified. We noted there was no additional variable consideration, significant financing components, noncash consideration, or consideration payable to the customer in these agreements. These license agreements also include potential future milestone and royalty payments due to us upon successful completion of certain separate, distinct performance obligations.

Additionally, during the first quarter of 2018, we entered into a sub-license agreement with Pint Pharma International SA (Pint), or Pint. The license agreement granted intellectual property rights and set forth the respective obligations with respect to development, commercialization and supply of NERYLNx in 22 countries and territories in Central and South America. This license agreement met the contract existence criteria and contained distinct, identifiable performance obligations for which the stand-alone selling prices were readily determinable and allocable. Under the terms of the license agreement, we are entitled to receive a non-deductible, non-creditable upfront payment. Prior to receipt of such payment, we must provide certain required documents on or before September 30, 2018 to the satisfaction of Pint. At June 30, 2018 we had not satisfied this performance obligation and no revenue has been recognized under the terms of the arrangement. We are obligated to supply Pint with the licensed product during development pursuant to a supply agreement. This supply arrangement has been identified as a separate performance obligation. To determine the respective stand-alone selling prices, we estimated the transaction prices, including any variable consideration, at

contract inception and determined the fair value of such obligations based on similar arrangements. When determining the transaction prices, we assumed that the goods or services will be transferred to the customer based on the terms of the existing contract, and did not take into consideration the possibility of a contract being canceled, renewed, or modified. We noted there was no additional variable consideration, significant financing components, noncash consideration, or consideration payable to the customer in these agreements. This license agreement also includes potential future milestone and royalty payments due to us upon successful completion of certain separate, distinct events, such as achieving regulatory approvals. The non-deductible, non-creditable upfront payment and milestones consist of certain development and commercial performance obligations, and we could earn up to approximately \$34.5 million if all respective performance obligations are achieved. At this time, we cannot estimate when these milestone-related performance obligations are expected to be achieved. The period between when we transfer control of the promised goods to a customer and when we receive payment from such customer is expected to be one year or less.

Summary of Income and Expenses

Product revenue, net:

Product revenue, net consists of revenue from sales of NERLYNX. We sell NERLYNX to a limited number of specialty pharmacies and specialty distributors in the United States. We record revenue at the net sales price, which includes an estimate for variable consideration for which reserves are established. Variable consideration consists of trade discounts and allowances, product returns, provider chargebacks and discounts, government rebates and other incentives.

License revenue:

License revenue consists of consideration paid to us pursuant to our license agreements.

Cost of sales:

Cost of sales consists of third-party manufacturing costs, freight, and indirect overhead costs associated with sales of NERLYNX. Cost of product sales also includes period costs related to royalty charges payable to Pfizer, the amortization of a milestone payment made to the Licensor after obtaining FDA approval of NERLYNX, certain inventory manufacturing services, inventory adjustment charges, unabsorbed manufacturing and overhead costs, and manufacturing variances.

Selling, general and administration expenses:

Selling, general and administrative, or SG&A, expenses consist primarily of salaries and related personnel costs, including stock-based compensation expense, professional fees, business insurance, rent, general legal activities, and other corporate expenses. Internal expenses primarily consist of payroll-related costs, but also include facilities and equipment costs, travel expenses and supplies. External expenses primarily consist of legal fees, insurance expenses and consulting for activities such as sales, marketing and software implementations to support corporate growth.

We expect SG&A expenses in 2018 and into 2019 to remain higher than in 2017 as we launch NERLYNX commercially in the United States and beyond. Our evaluation of the means by which to launch in Europe is ongoing and remains to be determined once approval is received, if ever. The majority of the salesforce and field based support personnel were hired in the late third quarter of 2017 and we expect a full year's worth of salesforce expenses in 2018. We expect this increase should be partially offset by an expected reduction in legal fees and system implementation fees.

Research and development expenses:

R&D expenses include costs associated with services provided by consultants who conduct clinical services on our behalf, contract organizations for manufacturing of clinical materials and clinical trials. During the six months ended June 30, 2018 and 2017, our R&D expenses consisted primarily of clinical research organization, or CRO, fees; fees paid to consultants; salaries and related personnel costs; and stock-based compensation. We expense our R&D costs as they are incurred. Internal expenses primarily consist of payroll-related costs, but also include equipment costs, travel expenses and supplies. External expenses primarily consist of clinical trial expenses and consultant and contractor expense, and also include costs such as legal fees, insurance costs and manufacturing expense.

We expect R&D expenses in 2018 to continue to decline slightly when compared with R&D expenses in 2017 based on a decline in clinical trial activities as existing trials continue to wind down.

Results of Operations

Three Months Ended June 30, 2018 Compared to Three Months Ended June 30, 2017

Product revenue, net:

Product revenue, net was approximately \$50.8 million for the three months ended June 30, 2018, compared to \$0 for the three months ended June 30, 2017. The increase in product revenue, net was entirely attributable to sales of NERLYNX, which had its commercial launch in July 2017.

Cost of sales:

For the three months ended June 30, 2018, cost of sales was approximately \$8.8 million compared to \$0 for the three months ended June 30, 2017. The increase in cost of sales was entirely attributable to the commercial launch of NERLYNX in July 2017.

Selling, general and administrative expenses:

For the three months ended June 30, 2018, SG&A expenses were approximately \$40.1 million, compared to approximately \$24.9 million for the three months ended June 30, 2017. SG&A expenses for the three months ended June 30, 2018 and 2017 were as follows:

Selling, general and administrative expenses (in thousands)	For the Three Months Ended June 30,		Change	
	2018	2017	\$	%
			2018/2017	2018/2017
External	\$ 14,534	\$ 12,580	\$ 1,954	15.5%
Internal	17,029	4,999	12,030	240.6%
Employee stock-based compensation expense	8,572	7,350	1,222	16.6%
	<u>\$ 40,135</u>	<u>\$ 24,929</u>	<u>\$ 15,206</u>	<u>61.0%</u>

For the three months ended June 30, 2018, SG&A expenses increased by approximately \$15.2 million compared to the same period in 2017, and was primarily attributable to the following:

- an increase of approximately \$12.0 million in internal expenses, comprised of increases of approximately \$10.0 million due to the addition of a salesforce to support the commercial launch of NERLYNX, approximately \$1.3 million in marketing and market access related expenses, approximately \$0.5 million in payroll and other internal SG&A functions and approximate \$0.2 million in rent expense;
- an increase in external expenses of approximately \$2.0 million, comprised of increases of approximately \$6.5 million for marketing and commercialization support and approximately \$0.3 million to support our commercialization strategy in Europe, partially offset by decreases of approximately \$2.1 million in spending on IT infrastructure implementations, approximately \$1.8 million from preparation for the U.S. commercial launch of NERLYNX and approximately \$1.0 million in other expenses such as legal fees; and
- an increase of approximately \$1.2 million in employee stock-based compensation expense associated with additional headcount, primarily in support of the commercial launch of NERLYNX.

Research and development expenses:

For the three months ended June 30, 2018, R&D expenses were approximately \$43.2 million, compared to approximately \$53.3 million for the three months ended June 30, 2017. R&D expenses for the three months ended June 30, 2018 and 2017 were as follows:

Research and development expenses (in thousands)	For the Three Months Ended June 30,		Change	
	2018	2017	\$	%
			2018/2017	2018/2017
External	\$ 18,652	\$ 23,697	\$ (5,045)	(21.3%)
Internal	10,981	9,943	1,038	10.4%
Employee stock-based compensation	13,612	19,613	(6,001)	(30.6%)
	<u>\$ 43,245</u>	<u>\$ 53,253</u>	<u>\$ (10,008)</u>	<u>(18.8%)</u>

For the three months ended June 30, 2018, R&D expenses decreased approximately \$10.0 million compared to the same period in 2017, primarily attributable to the following:

- a decrease in external expenses of approximately \$6.4 million due to a reduction in CRO related expenses for our clinical trials;
- a decrease of approximately \$6.0 million in employee stock-based compensation;
- an increase of approximately \$1.4 million in external R&D costs, primarily from additional medical affairs activity including support of the CHMP re-assessment; and
- an increase of approximately \$1.0 million in internal R&D costs, primarily for additional personnel needed to support medical affairs and quality assurance.

Interest income:

For the three months ended June 30, 2018, we recognized approximately \$ 0.3 million in interest income compared to approximately \$ 0.4 million of interest income for the three months ended June 30, 2017. The decrease in interest income reflects less cash in money market accounts and “high yield” savings accounts in 2018 compared to 2017.

Other expenses:

During the three months ended June 30, 2018, other expenses consisted primarily of costs related to a settlement of legal matters and fees from the modification of debt.

Interest expense:

For the three months ended June 30, 2018, we recognized approximately \$ 2.6 million in interest expense, compared to \$0 of interest expense for the three months ended June 30, 2017. This increase in interest expense is a result of the debt financing that closed in October 2017 (see Note 7 in the notes to the accompanying unaudited condensed consolidated financial statements).

Six Months Ended June 30, 2018 Compared to Six Months Ended June 30, 2017

Total revenue:

For the six months ended June 30, 2018, total revenue was approximately \$117.3 million, compared to \$0 for the six months ended June 30, 2017.

Product revenue, net:

Product revenue, net was approximately \$86.8 million for the six months ended June 30, 2018, compared to \$0 for the six months ended June 30, 2017. The increase in product revenue, net was entirely attributable to sales of NERLYNX, which had its commercial launch in July 2017.

License revenue:

License revenue was \$30.5 million for the six months ended June 30, 2018, compared to \$0 for the six months ended June 30, 2017. The increase in license revenue was entirely attributable to upfront payments associated with two license agreements that were entered into during the six months ended June 30, 2018.

Cost of sales:

For the six months ended June 30, 2018, cost of sales was approximately \$15.2 million compared to \$0 for the six months ended June 30, 2017. The increase in cost of sales was entirely attributable to the commercial launch of NERLYNX in July 2017.

Selling, general and administrative expenses:

For the six months ended June 30, 2018, SG&A expenses were approximately \$76.7 million, compared to approximately \$43.3 million for the six months ended June 30, 2017. SG&A expenses for the six months ended June 30, 2018 and 2017 were as follows:

Selling, general and administrative expenses (in thousands)	For the Six Months Ended June 30,		Change	
	2018	2017	\$	%
			2018/2017	2018/2017
External	\$ 27,791	\$ 19,242	\$ 8,549	44.4%
Internal	31,408	9,454	21,954	232.2%
Employee stock-based compensation expense	17,538	14,634	2,904	19.8%
	<u>\$ 76,737</u>	<u>\$ 43,330</u>	<u>\$ 33,407</u>	<u>77.1%</u>

For the six months ended June 30, 2018, SG&A expenses increased by approximately \$33.4 million compared to the same period in 2017. The approximate \$33.4 million increase in SG&A expenses for the six months ended June 30, 2018, was primarily attributable to the following:

- an increase of approximately \$22.0 million in internal SG&A expenses due primarily to increases of approximately \$18.5 million from the addition of a salesforce to support the commercial launch of NERLYNX, approximately \$2.1 million in marketing and market access related expenses, approximately \$1.0 million in payroll and other SG&A expenses and approximately \$0.3 million in rent expense;
- an increase in external expenses of approximately \$8.5 million, comprised of increases of approximately \$12.5 million for marketing and commercialization support, approximately \$0.8 million to support our commercialization strategy in Europe, and approximately \$0.6 million in other expenses such as audit fees and business licenses, partially offset by decreases of approximately \$2.5 million from preparation for the U.S. commercial launch of NERLYNX in 2017, approximately \$2.3 million in spending on IT infrastructure implementations, and approximately \$0.5 million in legal fees; and
- an increase of approximately \$2.9 million in employee stock-based compensation expense associated with additional headcount, primarily in support of the commercial launch of NERLYNX.

Research and development expenses:

For the six months ended June 30, 2018, R&D expenses were approximately \$90.2 million, compared to approximately \$108.1 million for the six months ended June 30, 2017. R&D expenses for the six months ended June 30, 2018 and 2017 were as follows:

Research and development expenses (in thousands)	For the Six Months Ended June 30,		Change	
	2018	2017	\$	%
			2018/2017	2018/2017
External	\$ 37,309	\$ 46,312	\$ (9,003)	(19.4%)
Internal	22,862	19,654	3,208	16.3%
Employee stock-based compensation	29,998	42,088	(12,090)	(28.7%)
	<u>\$ 90,169</u>	<u>\$ 108,054</u>	<u>\$ (17,885)</u>	<u>(16.6%)</u>

For the six months ended June 30, 2018, R&D expenses decreased approximately \$17.9 million compared to the same period in 2017. The decrease of approximately \$17.9 million is primarily attributable to the following:

- a decrease of approximately \$12.1 million in employee stock-based compensation;
- a decrease in external expenses of approximately \$9.0 million primarily due to a reduction in CRO related expenses for our clinical trials;
- an increase of approximately \$3.2 million in internal R&D costs, primarily for additional personnel needed to support medical affairs and quality assurance; and
- an increase of approximately \$0.1 million in external R&D costs driven by an increase of approximately \$1.8 million in medical affairs and post-marketing support, offset by a decrease of approximately \$1.7 million in comparator drug costs.

Interest income:

For the six months ended June 30, 2018, we recognized approximately \$ 0.5 million in interest income compared to approximately \$ 0.7 million for the six months ended June 30, 2017. The decrease in interest income reflects less income from marketable securities and less cash in money market accounts and “high yield” savings accounts in 2018 compared to 2017.

Other expenses:

During the six months ended June 30, 2018, other expenses, consisted primarily of settlement costs of legal matters and fees from the modification of debt.

Interest expense:

For the six months ended June 30, 2018, we recognized approximately \$ 3.7 million in interest expense, compared to \$0 of interest expense for the six months ended June 30, 2017. This increase in interest expense is a result of the debt financing that closed in October 2017 (see Note 7 in the notes to the accompanying unaudited condensed consolidated financial statements).

Liquidity and Capital Resources

The following table summarizes our liquidity and capital resources as of June 30, 2018 and December 31, 2017, and for the six months ended June 30, 2018 and 2017, and is intended to supplement the more detailed discussion that follows:

Liquidity and capital resources (in thousands)	June 30, 2018	December 31, 2017
Cash and cash equivalents	\$ 95,912	\$ 81,698
Marketable securities	\$ 38,600	\$ —
Working capital	\$ 106,530	\$ 48,054
Stockholders' equity	38,299	53,302

	Six Months Ended June 30, 2018	Six Months Ended June 30, 2017
Cash provided by (used in):		
Operating activities	\$ (23,890)	\$ (81,954)
Investing activities	(38,845)	(35,994)
Financing activities	76,949	4,271
Decrease in cash and cash equivalents	\$ 14,214	\$ (113,677)

Operating Activities:

For the three and six months ended June 30, 2018, we reported a net loss of approximately \$44.3 million and \$68.7 million, compared to approximately \$77.8 million and \$150.7 million for the same periods in 2017, respectively. Additionally, cash used in operating activities for the three and six months ended June 30, 2018 was approximately \$17.6 million and \$23.9 million, compared to approximately \$45.9 million and \$82.0 million for the same periods in 2017, respectively.

Cash used in operating activities for the six months ended June 30, 2018 consisted of a net loss of approximately \$68.7 million, an increase in net accounts receivable of approximately \$11.7 million, an increase of approximately \$10.5 million in accrued expenses and an increase of approximately \$0.4 million in inventory, offset by a decrease of approximately \$5.5 million in accounts payable, a \$0.7 decrease in prepaid expenses and other and \$51.0 million of non-cash items such as stock-based compensation, depreciation and amortization, and loss on modification of debt.

Cash used in operating activities for the six months ended June 30, 2017 consisted of a net loss of \$150.7 million, offset by approximately \$57.3 million of non-cash items such as depreciation and amortization and stock-based compensation, an increase of approximately \$9.6 million in accrued expenses and accounts payable and an increase of approximately \$1.9 million in prepaid expenses and other.

Investing Activities:

During the six months ended June 30, 2018, net cash used in investing activities was approximately \$38.8 million, compared to approximately \$36.0 million for the same period in 2017. Net cash used in investing activities during the six months ended June 30, 2018 was made up of approximately \$38.6 million of cash invested in available-for-sale securities and \$0.2 million of cash used to purchase property and equipment. Net cash used in investing activities during the six months ended June 30, 2017 was made up of approximately \$43.7 million of sales or maturities of available-for-sale securities, offset by \$79.5 million of cash invested in available-for-sale securities, and approximately \$0.1 million used to purchase property and equipment.

Financing Activities:

During the six months ended June 30, 2018, cash provided by financing activities was approximately \$76.9 million, which consisted of approximately \$75.0 million of incremental proceeds from the our amended credit facility with SVB, and \$6.1 million of net proceeds from the exercise of stock options, partially offset by \$4.2 million of cash used for the payment of debt issuance costs relating to our amended credit facility with SVB. During the same period in 2017, cash provided by financing activities was approximately \$4.3 million, comprised of net proceeds from the exercise of stock options.

Loan and Security Agreement:

On October 31, 2017, we entered into a loan and security agreement with SVB, as administrative agent, and the lenders party thereto from time to time, including Oxford Finance LLC, or Oxford, and SVB. Pursuant to the terms of the credit facility provided for by the loan and security agreement, we borrowed \$50 million.

On May 8, 2018, or the Amendment Date, we entered into a first amendment to the loan and security agreement. Under the amended credit facility, the lenders agreed to make term loans available to us in an aggregate amount of \$155 million, consisting of (i) an aggregate amount of \$125 million available on the Amendment Date, the proceeds of which, in part, were used to repay the \$50 million we borrowed under the original credit facility, and (ii) an aggregate amount of \$30 million available to be drawn at our option between September 30, 2018 and December 31, 2018 provided that we have achieved a specified minimum revenue milestone and no event of default is occurring. Proceeds from the term loans under the amended credit facility may be used for working capital and general business purposes. Upon the entry into the amended credit facility, we were required to pay the lenders aggregate fees of \$4,162,500, consisting of a first amendment facility fee of \$412,500 and a final payment of \$3,750,000 in connection with the repayment of the \$50 million borrowed under the original credit facility. The amended credit facility is secured by substantially all of our personal property other than our intellectual property. We also pledged 65% of the issued and outstanding capital stock of our subsidiary, Puma Biotechnology Ltd.

The term loans under the amended credit facility bear interest at an annual rate equal to the greater of (i) 8.25% and (ii) the sum of (a) the “prime rate,” as reported in The Wall Street Journal on the last business day of the month that immediately precedes the month in which the interest will accrue, plus (b) 3.5%. We are required to make monthly interest-only payments on each term loan commencing on the first calendar day of the calendar month following the funding date of such term loan, and continuing on the first calendar day of each calendar month thereafter through July 1, 2020. Commencing on July 1, 2020, and continuing on the first calendar day of each calendar month thereafter, we will make consecutive equal monthly payments of principal, together with applicable interest, in arrears to each lender, calculated pursuant to the amended credit facility. All unpaid principal and accrued and unpaid interest with respect to each term loan is due and payable in full on May 1, 2023. Upon repayment of the term loans, we are also required to make a final payment to the lenders equal to 7.5% of the original principal amount of term loans funded.

At our option, we may prepay the outstanding principal balance of any term loan in whole but not in part, subject to a prepayment fee of 3.0% of any amount prepaid if the prepayment occurs through and including the first anniversary of the funding date of such term loan, 2.0% of any amount prepaid if the prepayment occurs after the first anniversary of the funding date of such term loan through and including the second anniversary of the funding date of such term loan, and 1.0% of the amount prepaid if the prepayment occurs after the second anniversary of the funding date of such term loan and prior to May 1, 2023.

The amended credit facility includes affirmative and negative covenants applicable to us, our current subsidiary and any subsidiaries we create in the future. The affirmative covenants include, among others, covenants requiring us to maintain our legal existence and governmental approvals, deliver certain financial reports, maintain insurance coverage and satisfy certain requirements regarding deposit accounts. We must also achieve product revenue, measured as of the last day of each fiscal quarter on a trailing three month basis, that is (i) greater than or equal to 70% of our revenue target set forth in our board-approved projections for the 2018 fiscal year and (ii) greater than or equal to 50% of our revenue target set forth in our board-approved projections for the 2019 fiscal year. New minimum revenue levels will be established for each subsequent fiscal year by mutual agreement of us, SVB, as administrative agent, and the lenders. The negative covenants include, among others, restrictions on us transferring collateral, incurring additional indebtedness, engaging in mergers or acquisitions, paying dividends or making other distributions, making investments, creating liens, selling assets and suffering a change in control, in each case subject to certain exceptions.

The amended credit facility also includes events of default, the occurrence and continuation of which could cause interest to be charged at the rate that is otherwise applicable plus 5.0% and would provide SVB, as collateral agent, with the right to exercise remedies against us and the collateral securing the amended credit facility, including foreclosure against the property securing the credit facilities, including our cash. These events of default include, among other things, a failure by us to pay principal or interest due under the amended credit facility, a breach of certain covenants under the amended credit facility, our insolvency, a material adverse change, the occurrence of any default under certain other indebtedness in an amount greater than \$500,000 and one or more judgments against us in an amount greater than \$500,000 individually or in the aggregate.

On the Amendment Date, the Company issued to SVB and Oxford, as the sole lenders on the Amendment Date, secured promissory notes in an aggregate principal amount of \$125,000,000 evidencing the amended credit facility.

Current and Future Financing Needs:

We have incurred negative cash flows from operations since we started our business, and we did not receive or record any product revenues until the third quarter of 2017. We have spent, and expect to continue to spend, substantial amounts in connection with implementing our business strategy, including our planned product development efforts, our clinical trials, our R&D efforts and our commercialization efforts. Given the current and desired pace of clinical development of our product candidates, over the next 12 months we estimate that our R&D spending will be approximately \$120 million to \$130 million, excluding stock-based compensation.

Additionally, we expect SG&A expenses to increase as we continue commercialization efforts.

We are currently exploring methods by which to commercialize our other product candidates if approved by the FDA or EMA. These methods may require funding in addition to the cash and cash equivalents totaling approximately \$95.9 million and \$38.6 million in marketable securities available at June 30, 2018. While our consolidated financial statements have been prepared on a going concern basis, we expect to continue incurring significant losses for the foreseeable future and will continue to remain dependent on our ability to obtain sufficient funding to sustain operations and successfully commercialize neratinib. While we have been successful in raising financing in the past, there can be no assurance that we will be able to do so in the future. Our ability to obtain funding may be adversely impacted by uncertain market conditions, unfavorable decisions of regulatory authorities or adverse clinical trial results. The outcome of these matters cannot be predicted at this time.

In addition, we have based our estimate of capital needs on assumptions that may prove to be wrong. Changes may occur that would consume our available capital faster than anticipated, including changes in and progress of our development activities, the impact of commercialization efforts, acquisitions of additional drug candidates and changes in regulation. Potential sources of financing include strategic relationships, public or private sales of equity or debt and other sources of funds. We may seek to access the public or private equity markets when conditions are favorable due to our long-term capital requirements. Although we may have access to an additional \$30 million from our loan and security agreement with SVB during the fourth quarter of 2018, provided we have achieved a specified minimum revenue milestone and no event of default is occurring, it is uncertain whether additional funding will be available when we need it on terms that will be acceptable to us, or at all. If we raise funds by selling additional shares of common stock or other securities convertible into common stock, the ownership interests of our existing stockholders will be diluted. If we are not able to obtain financing when needed, we may be unable to carry out our business plan. As a result, we may have to significantly limit our operations, and our business, financial condition and results of operations would be materially harmed. In such an event, we will be required to undertake a thorough review of our programs, and the opportunities presented by such programs, and allocate our resources in the manner most prudent.

Going Concern:

Our independent registered public accounting firm has issued a report on our audited consolidated financial statements for the year ended December 31, 2017 that included an explanatory paragraph referring to our significant operating losses and expressing substantial doubt in our ability to continue as a going concern. Our consolidated financial statements have been prepared on a going concern basis, which assumes the realization of assets and settlement of liabilities in the normal course of business. Our ability to continue as a going concern is dependent upon our ability to generate profitable operations in the future and/ or to obtain the necessary financing to meet our obligations and repay our liabilities arising from normal business operations when they become due. The outcome of these matters cannot be predicted with any certainty at this time and raise substantial doubt that we will be able to continue as a going concern. Our consolidated financial statements do not include any adjustments to the amount and classification of assets and liabilities that may be necessary should we be unable to continue as a going concern.

Contractual Obligations:

Contractual obligations represent future cash commitments and liabilities under agreements with third parties, and exclude contingent liabilities for which we cannot reasonably predict future payment. Our contractual obligations result primarily from obligations for various contract manufacturing organizations and clinical research organizations, which include potential payments we may be required to make under our agreements. The contracts also contain variable costs and milestones that are hard to predict as they are based on such things as patients enrolled and clinical trial sites. The timing of payments and actual amounts paid under those contract manufacturing organization, or CMO, and CRO agreements may be different depending on the timing of receipt of goods or services or changes to agreed-upon terms or amounts for some obligations. Also, those agreements are cancelable upon written notice by the Company and therefore, not long-term liabilities.

Non-GAAP Financial Measures:

In addition to our operating results, as calculated in accordance with generally accepted accounting principles, or GAAP, we use certain non-GAAP financial measures when planning, monitoring, and evaluating our operational performance. The following table presents our net loss and net loss per share, as calculated in accordance with GAAP, as adjusted to remove the impact of stock-based compensation. For the three and six ended June 30, 2018, stock-based compensation represented approximately 50.0 % and 69.2 % of our net loss, respectively, and 34.6% and 43.1% for the same periods in 2017. Although net loss is important to measure our financial performance, we currently place an emphasis on cash burn and, more specifically, cash used in operations. Because stock-based compensation appears in GAAP net loss but is removed from net loss to arrive at cash used in operations on the statement of cash flows, due to its non-cash nature, we believe these non-GAAP measures enhance understanding of our financial performance, are more indicative of our operational performance and facilitate a better comparison among fiscal periods. These non-GAAP financial measures are not, and should not be viewed as, substitutes for GAAP reporting measures.

Reconciliation of GAAP Net Loss to Non-GAAP Adjusted Net Loss and GAAP Net Loss Per Share to Non-GAAP Adjusted Net Loss Per Share (in thousands except share and per share data)

	For the Three Months Ended June 30,		For the Six Months Ended June 30,	
	2018	2017	2018	2017
GAAP net loss	\$ (44,335)	\$ (77,832)	\$ (68,679)	\$ (150,697)
Adjustments:				
Stock-based compensation -				
Selling, general and administrative	8,572	7,350 (1)	17,538	14,634 (1)
Research and development	13,612	19,613 (2)	29,998	42,088 (2)
Non-GAAP adjusted net loss	\$ (22,151)	\$ (50,869)	\$ (21,143)	\$ (93,975)
GAAP net loss per share—basic	\$ (1.17)	\$ (2.10)	\$ (1.82)	\$ (4.08)
Adjustment to net loss (as detailed above)	0.58	0.72	1.26	1.54
Non-GAAP adjusted basic net loss per share	\$ (0.59)	\$ (1.38) (3)	\$ (0.56)	\$ (2.54) (3)

(1) To reflect a non-cash charge to operating expense for selling, general and administrative stock-based compensation.

(2) To reflect a non-cash charge to operating expense for research and development stock-based compensation.

(3) Non-GAAP adjusted basic net loss per share was calculated based on 37,819,767 and 36,992,017 weighted average common shares outstanding for the three months ended June 30, 2018 and 2017, respectively, and 37,759,729 and 36,961,760 weighted average common shares outstanding for the six months ended June 30, 2018 and 2017, respectively.

Off-Balance Sheet Arrangements

We do not have any “off-balance sheet agreements,” as defined by SEC regulations.

Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Some of the securities that we invest in have market risk in that a change in prevailing interest rates may cause the principal amount of the cash equivalents to fluctuate. Financial instruments that potentially subject us to significant concentrations of credit risk consist primarily of cash and cash equivalents. We invested our excess cash primarily in cash equivalents such as money market investments as of June 30, 2018. The primary objectives of our investment activities are to ensure liquidity and to preserve principal while at the same time maximizing the income we receive from our cash and cash equivalents without significantly increasing risk. Additionally, we established guidelines regarding approved investments and maturities of investments, which are designed to maintain safety and liquidity.

Because of the short-term maturities of our cash equivalents, we do not believe that a 10% increase in interest rates would have a material effect on the realized value of our cash equivalents.

We also have interest rate exposure as a result of borrowings outstanding under our loan and security agreement with SVB. As of June 30, 2018, the outstanding principal amount of our borrowings was \$125.0 million. Our borrowings under the loan and security agreement, as amended, bear interest at an annual rate equal to the greater of (i) 8.25% and (ii) the sum of (a) the "prime rate," as reported in The Wall Street Journal on the last business day of the month that immediately precedes the month in which the interest will accrue, plus (b) 3.5%. Changes in the prime rate may therefore affect our interest expense associated with our borrowings under the loan and security agreement.

Item 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports under the Exchange Act, is recorded, processed, summarized and reported within the timelines specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Senior Vice President, Finance and Administration and Treasurer, as appropriate, to allow timely decisions regarding required disclosures. In designing and evaluating the disclosure controls and procedures, management recognized that any controls and procedures, no matter how well designed and operated, can only provide reasonable assurance of achieving the desired control objectives and in reaching a reasonable level of assurance, management necessarily was required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

Under the supervision and with the participation of our management, including our Chief Executive Officer and Senior Vice President, Finance and Administration and Treasurer, we have evaluated the effectiveness of our disclosure controls and procedures (as defined under Exchange Act Rule 13a-15(e)), as of June 30, 2018. Based on that evaluation, our Chief Executive Officer and Senior Vice President, Finance and Administration and Treasurer have concluded that these disclosure controls and procedures were effective as of June 30, 2018.

Changes in Internal Control over Financial Reporting

There was no change in our internal control over financial reporting that occurred during the quarter ended June 30, 2018 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II – OTHER INFORMATION

Item 1. LEGAL PROCEEDINGS

Hsu vs. Puma Biotechnology, Inc., et. al.

On June 3, 2015, Hsingching Hsu or the “plaintiff,” individually and on behalf of all others similarly situated, filed a class action lawsuit against us and certain of our executive officers in the United States District Court for the Central District of California (Case No. 8:15-cv-00865-AG-JCG). On October 16, 2015, lead plaintiff Norfolk Pension Fund filed a consolidated complaint on behalf of all persons who purchased our securities between July 22, 2014 and May 29, 2015. The consolidated complaint alleges that we and certain of our executive officers made false or misleading statements and failed to disclose material adverse facts about our business, operations, prospects and performance in violation of Sections 10(b) (and Rule 10b-5 promulgated thereunder) and 20(a) of the Exchange Act. The plaintiff seeks damages, interest, costs, attorneys' fees, and other unspecified equitable relief. On July 10, 2018, we and two of our executive officers filed a motion for summary judgment seeking judgment in our favor on all claims. At the same time, the lead plaintiff filed its own motion for summary judgment, seeking judgment in favor of some, but not all, of its claims. The motions are scheduled for a hearing in court in September 2018. Pending those motions, a trial date is currently set for November 6, 2018. We intend to vigorously defend against this matter.

Eshelman vs. Puma Biotechnology, Inc., et. al.

On February 2, 2016, Fredric N. Eshelman filed a lawsuit against our Chief Executive Officer and President, Alan H. Auerbach, and us in the United States District Court for the Eastern District of North Carolina (Case No. 7:16-cv-00018-D). The complaint generally alleges that we and Mr. Auerbach made defamatory statements regarding Dr. Eshelman in connection with a proxy contest. Dr. Eshelman seeks compensatory and punitive damages and expenses and costs, including attorneys' fees. On April 4, 2016, we filed a motion to dismiss the complaint. On May 2, 2016, Dr. Eshelman filed a notice of voluntary dismissal of the claims against Mr. Auerbach. On February 6, 2017, the court denied our motion to dismiss. Discovery ended in September 2017. Summary judgment briefing was completed on November 17, 2017. It is unknown when the court will rule on the summary judgment motions. We intend to vigorously defend against Dr. Eshelman's claims.

Derivative Actions

On April 12 and April 14, 2016, purported stockholders filed two derivative lawsuits purportedly on behalf of us against certain of our officers and directors in the Superior Court of the State of California, Los Angeles, captioned Xing Xie vs. Alan H. Auerbach, No. BC616617, and Kevin McKenney vs. Auerbach, No. BC617059. The complaints asserted claims for breach of fiduciary duty, unjust enrichment, abuse of control, mismanagement and waste of corporate assets arising from substantially similar allegations as those contained in the Hsu securities class action described above. The complaints seek an unspecified sum of damages and equitable relief.

Separately, on February 9, 2018, another purported stockholder filed a derivative lawsuit purportedly on behalf of us against certain of our officers and directors in the United States District Court, Central District of California, captions Arnaud Van Der Gracht De Rommerswael vs. Alan H. Auerbach, et al., No. 8:18-cv-00236. The complaint asserted claims for violation of securities law, breach of fiduciary duty, waste of corporate assets, and unjust enrichment arising from substantially similar allegations as those contained in the Hsu securities class action described above.

On May 30, 2018, another purported stockholder filed a derivative lawsuit purportedly on behalf of us against certain of our officers and directors in the United States District Court, Central District of California, captions Paul Duran vs. Alan H. Auerbach, et al., No. 2:18-cv-04802. The complaint asserted claims for violations of securities law, breach of fiduciary duties, unjust enrichment, abuse of control, gross mismanagement, and waste of corporate assets. The complaint seeks an unspecified sum of damages, declaratory judgment, corporate reforms, restitution, and costs and disbursements associated with the lawsuit.

On July 30, 2018, the parties reached a settlement in principle of the Xie, Rommerswael and Duran lawsuits, and they intend to submit the final settlement agreement for court approval. We expect any amounts due as part of the settlement will be covered by our insurance policies.

Item 1A. RISK FACTORS

Under Item 1A of our Annual Report on Form 10-K for the year ended December 31, 2017, which was filed with the SEC on March 9, 2018, we identified important factors that could affect our financial performance and could cause our actual results for future periods to differ materially from our anticipated results or other expectations, including those expressed in any forward-looking statements made in this Form 10-Q. There has been no material change in our risk factors subsequent to the filing of our Annual Report. However, the risks described in our Annual Report are not the only risks we face. Additional risks and uncertainties that we currently deem to be immaterial or not currently known to us, as well as other risks reported from time to time in our reports to the SEC, also could cause our actual results to differ materially from our anticipated results or other expectations.

Item 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

Recent Sales of Unregistered Securities

We did not sell any of our equity securities without registration under the Securities Act of 1933, as amended, during the three months ended June 30, 2018.

Purchases of Equity Securities by the Issuer and Affiliated Purchasers

Neither we nor any “affiliated purchasers” within the definition of Rule 10b-18(a)(3) promulgated under the Exchange Act made any purchases of our equity securities during the quarter ended June 30, 2018.

Item 3. DEFAULTS UPON SENIOR SECURITIES

None.

Item 4. MINE SAFETY DISCLOSURES

Not applicable.

Item 5. OTHER INFORMATION

None.

Item 6. EXHIBITS

(a) Exhibits required by Item 601 of Regulation S-K.

Exhibit	Description
3.1	Second Amended and Restated Certificate of Incorporation of the Company, as filed with the Secretary of State of the State of Delaware on June 14, 2016 (filed as Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the SEC on June 15, 2016 and incorporated herein by reference)
3.2	Second Amended and Restated Bylaws of the Company (filed as Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the SEC on May 8, 2017 and incorporated herein by reference)
10.1(a)*	First Amendment to Loan and Security Agreement, dated May 8, 2018, by and among the Company, Silicon Valley Bank, as administrative and collateral agent
10.1(b)*	Form of Secured Promissory Note (included as Exhibit D to Exhibit 10.1(a))
10.2*	Amendment No. 1, dated April 20, 2018, to the License Agreement by and between the Company and Specialised Therapeutics Asia Pte Ltd.
10.3*	Supply Agreement, dated April 20, 2018, by and between the Company and Specialised Therapeutics Asia Pte. Ltd.
10.4#	Amended Non-Employee Director Compensation Program
31.1	Certification of Principal Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, with respect to the registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2018
31.2	Certification of Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, with respect to the registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2018
32.1	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2	Certification of Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Linkbase Document
*	Portions of this exhibit (indicated by asterisks) have been omitted pursuant to a request for confidential treatment pursuant to Rule 24b-2 under the Securities Exchange Act of 1934.
#	Management contract of compensatory plan or arrangement

102577063.3

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

PUMA BIOTECHNOLOGY, INC.

Date: August 9, 2018

By: /s/ Alan H. Auerbach
Alan H. Auerbach
President and Chief Executive Officer
(Principal Executive Officer)

Date: August 9, 2018

By: /s/ Charles R. Eyer
Charles R. Eyer
Senior Vice President, Finance and Administration and Treasurer
(Principal Financial and Accounting Officer)

102577063.3

Confidential Treatment Requested by Puma Biotechnology, Inc.

**FIRST AMENDMENT TO
LOAN AND SECURITY AGREEMENT**

THIS **FIRST AMENDMENT** to Loan and Security Agreement (this “**Amendment**”) is entered into as of May 8, 2018, among SILICON VALLEY BANK, a California corporation with an office located at 3003 Tasman Drive, Santa Clara, CA 95054 (“**Bank**” or “**SVB**”), as administrative and collateral agent (in such capacities, “**Administrative Agent**” and “**Collateral Agent**”, respectively), the Lenders listed on Schedule 1.1 of the Loan Agreement (as defined below) or otherwise party thereto from time to time (each a “**Lender**” and collectively, the “**Lenders**”) including SVB in its capacity as a Lender and OXFORD FINANCE LLC, a Delaware limited liability company with an office located at 133 North Fairfax Street, Alexandria, Virginia 22314 (“**Oxford**”) (each a “**Lender**” and collectively, the “**Lenders**”), and PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”).

RECITALS

A. Collateral Agent, Administrative Agent, Lenders and Borrower have entered into that certain Loan and Security Agreement dated as of October 31, 2017 (as amended from time to time, the “**Loan Agreement**”).

B. Lenders have extended credit to Borrower for the purposes permitted in the Loan Agreement.

C. Borrower has requested that Collateral Agent, Administrative Agent, and Lenders (i) extend additional credit to Borrower and (ii) make certain other revisions to the Loan Agreement as more fully set forth herein.

D. Collateral Agent, Administrative Agent and Lenders have agreed to extend additional credit to Borrower and amend certain provisions of the Loan Agreement, but only to the extent, in accordance with the terms, subject to the conditions and in reliance upon the representations and warranties set forth below.

AGREEMENT

NOW, **THEREFORE**, in consideration of the foregoing recitals and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and intending to be legally bound, the parties hereto agree as follows:

1. Definitions. Capitalized terms used but not defined in this Amendment shall have the meanings given to them in the Loan Agreement.

2. Amendments to Loan Agreement.

2.1 Section 2.2 (Term Loans) . Section 2.2(a) of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

“(a) Availability.

Subject to the terms and conditions of this Agreement, on the Effective Date, the Lenders, severally and not jointly, made term loans to Borrower in an aggregate amount of Fifty Million Dollars (\$50,000,000.00) according to each Lender’s Term A Loan Commitment as set forth on Schedule 1.1 hereto (as in effect prior to the First Amendment Effective Date) (such term loans are hereinafter referred to singly as an “**Original Term A Loan**”, and collectively as the “**Original Term A Loans**”).

(i) Subject to the terms and conditions of this Agreement, the Lenders agree, severally and not jointly, on the First Amendment Effective Date, to make term loans to Borrower as follows:

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

1) SVB shall make a term loan to Borrower in an amount equal to Sixty-Four Million Five Hundred Sixteen Thousand One Hundred Twenty-Nine Dollars (\$64,516,129.00) (the “**SVB Term A Loan**”) the proceeds of which shall, in part, refinance the Original Term A Loan by SVB.

2) The Notes issued by Borrower evidencing the Original Term A Loans made by Oxford on the Effective Date in the amounts of (x) Sixteen Million Five Hundred Thousand Dollars (\$16,500,000.00) and (y) Thirteen Million Five Hundred Thousand Dollars (\$13,500,000.00) shall be replaced with amended and restated notes in the same amounts (collectively, the “**Oxford Original Term A Loans**”).

3) Oxford shall make a term loan to Borrower in an amount equal to Thirty Million Four Hundred Eighty-Three Thousand Eight Hundred Seventy-One Dollars (\$30,483,871.00) (the “**Oxford New Term A Loan**”) and together with the Oxford Original Term A Loans, collectively the “**Oxford Term A Loans**”, and together with the SVB Term A Loan, each, a “**Term A Loan**” and collectively, the “**Term A Loans**”). After repayment, no Term A Loan may be re-borrowed.

(ii) Subject to the terms and conditions of this Agreement, the Lenders agree, severally and not jointly, during the Draw Period, to make term loans to Borrower in an aggregate amount equal to Thirty Million Dollars (\$30,000,000.00) and disbursed in a single advance according to each Lender’s Term B Loan Commitment as set forth on Schedule 1.1 hereto (such term loans are hereinafter referred to singly as a “**Term B Loan**”, and collectively as the “**Term B Loans**”; each Term A Loan or Term B Loan is hereinafter referred to singly as a “**Term Loan**” and the Term A Loans and the Term B Loans are hereinafter referred to collectively as the “**Term Loans**”). After repayment, no Term B Loan may be re-borrowed.”

2.2 Section 2.2 (Term Loans) . Section 2.2(b) of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

“(b) Repayment. Borrower shall make monthly payments of interest only commencing on the first (1st) Payment Date following the Funding Date of each Term Loan, and continuing on the Payment Date of each successive month thereafter through and including the Payment Date immediately preceding the Amortization Date. Borrower agrees to pay, on the Funding Date of each Term Loan, any initial partial monthly interest payment otherwise due for the period between the Funding Date of such Term Loan and the first Payment Date thereof. Commencing on the Amortization Date, and continuing on the Payment Date of each month thereafter, Borrower shall make consecutive equal monthly payments of principal, together with applicable interest, in arrears, to each Lender, as calculated by Collateral Agent (which calculations shall be deemed correct absent manifest error) based upon: (1) the amount of such Lender’s Term Loan, (2) the effective rate of interest, as determined in Section 2.3(a), and (3) a repayment schedule equal to thirty-five (35) months. All unpaid principal and accrued and unpaid interest with respect to each Term Loan is due and payable in full on the Maturity Date. Each Term Loan may only be prepaid in accordance with Sections 2.2(c) and 2.2(d).”

2.3 Section 2.4 (Secured Promissory Notes) . Section 2.5 of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

“**2.4 Secured Promissory Notes.** The Term Loans shall be evidenced by a Secured Promissory Note or Notes in the form attached as Exhibit D hereto (other than the two (2) Original Term A Loans made by Oxford which shall be evidenced by Amended and Restated Secured Promissory Notes in the form attached as Exhibit E hereto) (each a “**Secured Promissory Note**”), and shall be repayable as set forth in this Agreement. Borrower irrevocably authorizes each Lender to make or cause to be made, on or about the Funding Date of any Term Loan or at the time of receipt of any payment of principal on such Lender’s Secured Promissory Note, an appropriate notation on such Lender’s Secured Promissory Note Record reflecting the making of

such Term Loan or (as the case may be) the receipt of such payment. Absent manifest error, the outstanding amount of each Term Loan set forth on such Lender's Secured Promissory Note Record shall be prima facie evidence of the principal amount thereof owing and unpaid to such Lender, but the failure to record, or any error in so recording, any such amount on such Lender's Secured Promissory Note Record shall not limit or otherwise affect the obligations of Borrower under any Secured Promissory Note or any other Loan Document to make payments of principal or interest on any Secured Promissory Note when due. Upon receipt of an affidavit of an officer of a Lender as to the loss, theft, destruction, or mutilation of its Secured Promissory Note, Borrower shall sue, in lieu thereof, a replacement Secured Promissory Note in the same principal amount thereof and of like tenor."

2.4 Section 2.5 (Fees) . Section 2.5 of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

2.5 Fees . Borrower shall pay to Collateral Agent:

(a) First Amendment Facility Fee . A fully earned, non-refundable facility fee of Four Hundred Twelve Thousand Five Hundred Dollars (\$412,500.00) to be shared between the Lenders pursuant to their respective Commitment Percentages payable on the First Amendment Effective Date (the "**First Amendment Facility Fee**");

(b) Final Payment .

(i) The Final Payment, when due hereunder, to be shared between the Lenders in accordance with their respective Pro Rata Shares; and

(ii) A fully-earned, non-refundable final payment, due on the First Amendment Effective Date in connection with the Original Term A Loans, in the aggregate amount of Three Million Seven Hundred Fifty Thousand Dollars (\$3,750,000.000) (the "**First Amendment Final Payment**"), payable to the Lenders in accordance with their respective Pro Rata Shares (as determined immediately prior to the First Amendment Effective Date). For the sake of clarity, the First Amendment Final Payment shall not reduce the Final Payment otherwise due in connection with Section 2.5(b)(i) hereof.

(c) Non-Utilization Fee . The Non-Utilization Fee, when due hereunder, to be shared between the Lenders in accordance with their respective Pro Rata Shares;

(d) Prepayment Fee . The Prepayment Fee, when due hereunder, to be shared between the Lenders in accordance with their respective Pro Rata Shares. For the sake of clarity, the Funding Date of each Term A Loan, which Term A Loans are in the original aggregate principal amount of (\$125,000,000), is the First Amendment Effective Date; and

(e) Lenders' Expenses . All Lenders' Expenses (including reasonable attorneys' fees and expenses for documentation and negotiation of this Agreement) incurred through and after the Effective Date, when due."

2.5 Section 6.6 (Operating Accounts) . Section 6.6(a) of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

"(a) Maintain all of Borrower's and its domestic U.S. Subsidiaries' cash and Cash Equivalents, other than cash and Cash Equivalents held in existing accounts held at Wells Fargo (which are subject to a Control Agreement in favor of Collateral Agent and the Lenders), with Bank or its Affiliates in accounts which are subject to a Control Agreement in favor of Collateral Agent and the Lenders."

2.6 Section 6.10 (Minimum Revenue) . Section 6.10 of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

“ **6.10 Minimum Revenue.** Borrower shall achieve revenue (determined in accordance with GAAP), measured as of the last day of each fiscal quarter on a trailing three (3) month basis (i) greater than or equal to seventy percent (70%) of the revenue target (as set forth in the Annual Projections delivered to Administrative Agent and the Lenders pursuant to Section 3.1(g) hereof on March 14, 2018) for the 2018 fiscal year, and (ii) greater than or equal to fifty percent (50%) of the revenue target (as set forth in Borrower’s 2019 fiscal year projections delivered to Administrative Agent and the Lenders in accordance with Section 6.2(a)(iii) hereof by no later than January 30, 2019) for the 2019 fiscal year. New minimum revenue levels for each subsequent fiscal year shall be set by the mutual agreement of Borrower, Administrative Agent and the Lenders based on the projections delivered by Borrower to Administrative Agent and the Lenders pursuant to Section 6.2(a)(iii) hereof and pursuant to an amendment to this Agreement which Borrower hereby agrees to execute no later than February 28th of each year. Such revenue projections shall be acceptable to Administrative Agent and the Lenders in their sole but reasonable discretion and in any case shall show year over year revenue growth (at a rate to be reasonably agreed) and it shall be an immediate Event of Default if Borrower, Administrative Agent and the Lenders (in each case acting reasonably) fail to enter into the aforementioned amendment on or prior to February 28th of each year.”

2.7 Section 13.1 (Definitions) . The following terms and their respective definitions hereby are added or amended and restated in their entirety, as applicable, to Section 13.1 of the Loan Agreement as follows:

“ **Amortization Date** ” is July 1, 2020.

“ **Basic Rate** ” is, with respect to each Term Loan, the per annum rate of interest (based on a year of three hundred sixty (360) days) equal to the greater of (i) eight and one-quarter percent (8.25%) and (ii) the sum of (a) the Prime Rate, as reported in The Wall Street Journal on the last Business Day of the month that immediately precedes the month in which the interest will accrue, plus (b) three and one-half percent (3.50%). Notwithstanding the foregoing, the Basic Rate for the Term Loans for the period from the First Amendment Effective Date through and including May 31, 2018 shall be eight and one-quarter percent (8.25%).

“ **Cash Equivalents** ” are (a) marketable direct obligations issued or unconditionally guaranteed by the United States or any agency or any State thereof having maturities of not more than two (2) years from the date of acquisition; (b) commercial paper maturing no more than two (2) years after its creation and having the highest rating from either Standard & Poor’s Ratings Group or Moody’s Investors Service, Inc., and (c) certificates of deposit maturing no more than two (2) years after issue provided that the account in which any such certificate of deposit is maintained is subject to a Control Agreement in favor of Collateral Agent. For the avoidance of doubt, the direct purchase by Borrower or any of its Subsidiaries of any Auction Rate Securities, or purchasing participations in, or entering into any type of swap or other derivative transaction, or otherwise holding or engaging in any ownership interest in any type of Auction Rate Security by Borrower or any of its Subsidiaries shall be conclusively determined by the Lenders as an ineligible Cash Equivalent, and any such transaction shall expressly violate each other provision of this Agreement governing Permitted Investments. Notwithstanding the foregoing, Cash Equivalents does not include and Borrower, and each of its Subsidiaries, are prohibited from purchasing, purchasing participations in, entering into any type of swap or other equivalent derivative transaction, or otherwise holding or engaging in any ownership interest in any type of debt instrument, including, without limitation, any corporate or municipal bonds with a long-term nominal maturity for which the interest rate is reset through a dutch auction and more commonly referred to as an auction rate security (each, an “ **Auction Rate Security** ”).

“ **Draw Period** ” is the period commencing on the date of the occurrence of the Revenue Milestone Date (but in no event earlier than September 30, 2018) and ending on the earlier of

(i) December 31, 2018 and (ii) the occurrence of an Event of Default; provided, however, that the Draw Period shall not commence if on the date of the occurrence of the Revenue Milestone Date an Event of Default has occurred and is continuing.

“ **First Amendment Effective Date** ” is May 8, 2018.

“ **Maturity Date** ” is, for each Term Loan, May 1, 2023.

“ **Non-Utilization Fee** ” is an additional, nonrefundable one-time fee payable to the Lenders, which will be fully earned if the Draw Period commences, in an amount equal to (i) two percent (2.00%) multiplied by (ii) Thirty Million Dollars (\$30,000,000.00); provided that the Non-Utilization Fee shall be paid, if at all, on the earlier of January 1, 2019 or prior repayment in connection with Sections 2.2(c) or (d). For the avoidance of doubt, if the Revenue Milestone Date does not occur, then the Non-Utilization Fee shall not be due and payable.

“ **Original Term A Loan(s)** ” is defined in Section 2.2(a)(i) hereof.

“ **Oxford Original Term A Loan(s)** ” is defined in Section 2.2(a)(ii) hereof.

“ **Oxford New Term A Loan** ” is defined in Section 2.2(a)(ii) hereof.

“ **Oxford Term A Loan(s)** ” is defined in Section 2.2(a)(ii) hereof.

“ **Payment Date** ” is the first (1st) calendar day of each calendar month, commencing on July 1, 2018.

“ **Prepayment Fee** ” is, with respect to any Term Loan subject to prepayment prior to the Maturity Date, whether by mandatory or voluntary prepayment, acceleration or otherwise, an additional fee payable to the Lenders in amount equal to:

i. for a prepayment made on or after the Funding Date of such Term Loan through and including the first anniversary of the Funding Date of such Term Loan, three percent (3.00%) of the principal amount of such Term Loan prepaid; and

ii. for a prepayment made after the first anniversary of the Funding Date of such Term Loan through and including the second anniversary of the Funding Date of such Term Loan, two percent (2.00%) of the principal amount of such Term Loan prepaid; and

iii. for a prepayment made after the second anniversary of the Funding Date of such Term Loan and prior to the Maturity Date, one percent (1.00%) of the principal amount of such Term Loan prepaid.

“ **Revenue Milestone Date** ” means the date on which Borrower provides evidence, in form and content reasonably acceptable to Administrative Agent and the Lenders, that Borrower has achieved commercial revenue (determined in accordance with GAAP), on a trailing three (3) month basis of not less than [***] Dollars (\$[***]); provided that if such sufficient evidence is provided prior to September 30, 2018, the Revenue Milestone Date shall be determined to be September 30, 2018.

“ **SVB Term A Loan** ” is defined in Section 2.2(a)(ii) hereof.

“ **Term Loan(s)** ” is defined in Section 2.2(a)(iii) hereof.

“ **Term A Loan(s)** ” is defined in Section 2.2(a)(ii) hereof.

“ **Term B Loan(s)** ” is defined in Section 2.2(a)(iii) hereof.

2.8 Section 13.1 (Definitions) . The defined term “Second Draw Period” and its definition here by are deleted in their entirety from Section 13.1 of the Loan Agreement:

2.9 Schedule 1.1 of the Loan Agreement hereby is replaced in its entirety with Schedule 1.1 attached hereto.

2.10 Exhibit B-1 of the Loan Agreement hereby is replaced in its entirety with Exhibit B-1 attached hereto.

2.11 Exhibit C of the Loan Agreement hereby is replaced in its entirety with Exhibit C attached hereto.

2.12 Annex I of the Loan Agreement hereby is deleted in its entirety.

2.13 Exhibit D of the Loan Agreement hereby is replaced in its entirety with Exhibit D attached hereto.

2.14 Exhibit E hereby is added to the Loan Agreement in the form attached hereto.

2.15 The original Secured Promissory Note dated as of October 31, 2017 issued by Borrower in favor of SVB hereby are cancelled, null and void and of no further force and effect. The two (2) original Secured Promissory Notes in respect of the two (2) Original Term A Loans by Oxford dated as of October 31, 2017 issued by Borrower in favor of Oxford hereby are amended and restated in the form attached as Exhibit E to the Loan Agreement, as amended by this Amendment, and such original Secured Promissory Notes that have been amended and restated are hereby cancelled, null and void and of no further force and effect. Administrative Agent and Collateral Agent hereby acknowledge and agree on behalf of the Lenders that no Prepayment Fee shall be due and payable by Borrower in connection with this Amendment and the transactions contemplated hereby, including, without limitation, the refinancing of the Original Term A Loans.

3. Limitation of Amendment.

3.1 The amendments set forth in **Section 2** , are effective for the purposes set forth herein and shall be limited precisely as written and shall not be deemed to (a) be a consent to any amendment, waiver or modification of any other term or condition of any Loan Document, or (b) otherwise prejudice any right or remedy which Collateral Agent, Administrative Agent or any Lender may now have or may have in the future under or in connection with any Loan Document.

3.2 This Amendment shall be construed in connection with and as part of the Loan Documents and all terms, conditions, representations, warranties, covenants and agreements set forth in the Loan Documents, except as herein amended, are hereby ratified and confirmed and shall remain in full force and effect.

4. Representations and Warranties. To induce Collateral Agent, Administrative Agent and Lenders to enter into this Amendment, Borrower hereby represents and warrants to Collateral Agent, Administrative Agent and Lenders as follows:

4.1 Immediately after giving effect to this Amendment (a) the representations and warranties contained in the Loan Documents are true, accurate and complete in all material respects as of the date hereof (except to the extent such representations and warranties relate to an earlier date, in which case they are true and correct as of such date), and (b) no Event of Default has occurred and is continuing;

4.2 Borrower has the power and authority to execute and deliver this Amendment and to perform its obligations under the Loan Agreement, as amended by this Amendment;

4.3 The organizational documents of Borrower delivered to Collateral Agent, Administrative Agent and Lenders on the Effective Date, or subsequent thereto, remain true, accurate and complete and have not been amended, supplemented or restated and are and continue to be in full force and effect;

4.4 The execution and delivery by Borrower of this Amendment and the performance by Borrower of its obligations under the Loan Agreement, as amended by this Amendment, have been duly authorized;

4.5 The execution and delivery by Borrower of this Amendment and the performance by Borrower of its obligations under the Loan Agreement, as amended by this Amendment, do not and will not contravene (a) any law or regulation binding on or affecting Borrower, (b) any contractual restriction with a Person binding on Borrower, (c) any order, judgment or decree of any court or other governmental or public body or authority, or subdivision thereof, binding on Borrower, or (d) the organizational documents of Borrower;

4.6 The execution and delivery by Borrower of this Amendment and the performance by Borrower of its obligations under the Loan Agreement, as amended by this Amendment, do not require any order, consent, approval, license, authorization or validation of, or filing, recording or registration with, or exemption by any governmental or public body or authority, or subdivision thereof, binding on Borrower, (in each case, except as already have been obtained and are in full force and effect); and

4.7 This Amendment has been duly executed and delivered by Borrower and is the binding obligation of Borrower, enforceable against Borrower in accordance with its terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, liquidation, moratorium or other similar laws of general application and equitable principles relating to or affecting creditors' rights.

5. Counterparts. This Amendment may be executed in any number of counterparts and all of such counterparts taken together shall be deemed to constitute one and the same instrument.

6. Effectiveness. This Amendment shall be deemed effective upon the due execution and delivery to Collateral Agent, Administrative Agent and Lenders of the following:

- (a) this Amendment by each party hereto;
- (b) the Corporate Borrowing Certificate attached hereto;
- (c) the Disbursement Letter attached hereto;
- (d) two (2) Amended and Restated Secured Promissory Notes in favor of Oxford and each attached hereto;
- (e) a new Secured Promissory Note in favor of Oxford and attached hereto;
- (f) a new Secured Promissory Note in favor of SVB and attached hereto;
- (g) a Loan Payment/Advance Request form;
- (h) a legal opinion of counsel to Borrower;
- (i) Borrower's payment of the First Amendment Facility Fee;
- (j) Borrower's payment of the First Amendment Final Payment; and
- (k) Borrower's payment of all Lenders' Expenses incurred through the date of this Amendment.

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IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed and delivered as of the date first written above.

BORROWER:PUMA BIOTECHNOLOGY,
INC.By /s/ Charles R. EyerName: Charles
R. EyerTitle: SVP Finance &
Admin/TreasurerADMINISTRATIVE
AGENT, COLLATERAL AGENT AND
LENDER:SILICON VALLEY BANKBy /s/
Anthony FloresName: Anthony FloresTitle:
Managing DirectorLENDER:OXFORD
FINANCE LLCBy /s/ Colette H.
FeatherlyName: Colette H. FeatherlyTitle:
Senior Vice President

[Signature Page to First Amendment to Loan and Security Agreement]

***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

SCHEDULE 1.1

Lenders and Commitments

Term A Loans

Lender	Term Loan Commitment	Commitment Percentage
SILICON VALLEY BANK	\$64,516,129.00	51.6129032%
OXFORD FINANCE LLC	\$60,483,871.00	48.3870968%
TOTAL	\$125,000,000.00	100.00%

Term B Loans

Lender	Term Loan Commitment	Commitment Percentage
SILICON VALLEY BANK	\$15,483,871.00	51.6129032%
OXFORD FINANCE LLC	\$14,516,129.00	48.3870968%
TOTAL	\$30,000,000.00	100.00%

Aggregate (all Term Loans)

Lender	Term Loan Commitment	Commitment Percentage
SILICON VALLEY BANK	\$80,000,000.00	51.6129032%
OXFORD FINANCE LLC	\$75,000,000.00	48.3870968%
TOTAL	\$155,000,000.00	100.00%

***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

EXHIBIT B-1

Disbursement Letter

[see attached]

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

EXHIBIT C

Compliance Certificate

TO: SILICON VALLEY BANK, as Collateral Agent and Lender
OXFORD FINANCE LLC, as Lender

TO: SILICON VALLEY BANK, as Administrative Agent, Collateral Agent and Lender
OXFORD FINANCE LLC, as Lender

FROM: PUMA BIOTECHNOLOGY, INC.

The undersigned authorized officer (“ **Officer** ”) of PUMA BIOTECHNOLOGY, INC. (“ **Borrower** ”), hereby certifies that in accordance with the terms and conditions of the Loan and Security Agreement by and among Borrower, Administrative Agent, Collateral Agent, and the Lenders from time to time party thereto (the “ **Loan Agreement** ;” capitalized terms used but not otherwise defined herein shall have the meanings given them in the Loan Agreement),

(a) Borrower is in complete compliance for the period ending _____ with all required covenants except as noted below;

(b) There are no Events of Default, except as noted below;

(c) Except as noted below, all representations and warranties of Borrower stated in the Loan Documents are true and correct in all material respects on this date and for the period describe d in (a), above; provided, however, that such materiality qualifier shall not be applicable to any representations and warranties that already are qualified or modified by materiality in the text thereof; and provided, further that those representations and warranties expressly referring to a specific date shall be true, accurate and complete in all material respects as of such date.

(d) Borrower, and each of Borrower’s Subsidiaries, has timely filed all required tax returns and reports, Borrower, and each of Borrower’s Subsidiaries, has timely paid all foreign, federal, state, and local taxes, assessments, deposits and contributions owed by Borrower, or Subsidiary, except as otherwise permitted pursuant to the terms of Section 5.8 of the Loan Agreement;

(e) No Liens have been levied or claims made against Borrower or any of its Subsidiaries relating to unpaid employee payroll or benefits of which Borrower has not previously provided written notification to Administrative Agent, Collateral Agent and the Lende rs.

Attached are the required documents, if any, supporting our certification(s). The Officer, on behalf of Borrower, further certifies that the attached financial statements are prepared in accordance with Generally Accepted Accounting Principles (GAAP) and are consistently applied from one period to the next except as explained in an accompanying letter or footnotes and except, in the case of unaudited financial statements, for the absence of footnotes and subject to year-end audit adjustments as to the interim financial statements.

Please indicate compliance status since the last Compliance Certificate by circling Yes, No, or N/A under “Complies” column.

Reporting Covenant	Requirement	Actual	Complies		
Financial statements	Quarterly within 45 days	Yes	No	N/A	
Annual (CPA Audited) statements	Within 90 days after FYE or within 5 days of filing	Yes	No	N/A	

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Annual Financial Projections/Budget (prepared on a monthly basis)	Annually (within 30 days of FYE), and when revised	Yes	No	N/A
8-K, 10-K and 10-Q Filings	If applicable, within 5 days of filing	Yes	No	N/A
Compliance Certificate	Quarterly within 45 days	Yes	No	N/A
Total amount of Borrower's cash and cash equivalents at the last day of the measurement period	\$ _____	Yes	No	N/A
Total amount of Borrower's Subsidiaries' cash and cash equivalents at the last day of the measurement period	\$ _____	Yes	No	N/A

Deposit and Securities Accounts

(Please list all accounts; attach separate sheet if additional space needed)

Institution Name	Account Number	New Account?		Account Control Agreement in place?	
		Yes	No	Yes	No
		Yes	No	Yes	No
		Yes	No	Yes	No
		Yes	No	Yes	No
		Yes	No	Yes	No

Financial Covenants

Covenant	Requirement	Actual	Compliance	
Minimum Revenues (trailing three months)	At least (i) 70% of projections for fiscal year 2018; (ii) 50% of projections for fiscal year 2019	___%	Yes	No

Other Matters

Have there been any changes in management since the last Compliance Certificate?	Yes	No
Have there been any transfers/sales/disposals/retirement of Collateral or IP prohibited by the Loan Agreement?	Yes	No
Have there been any new or pending claims or causes of action against Borrower that involve more than Five Hundred Thousand Dollars (\$500,000.00)?	Yes	No
Have there been any amendments of or other changes to the capitalization table of Borrower and to the Operating Documents of Borrower or any of its Subsidiaries? If yes, provide copies of any such amendments or changes with this Compliance Certificate.	Yes	No

*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Exceptions

Please explain any exceptions with respect to the certification above: (If no exceptions exist, state "No exceptions." Attach separate sheet if additional space needed.)

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:
Date:

LENDER USE ONLY

Received by: Date:

Verified by: Date:

Compliance Status: YesNo

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

CORPORATE BORROWING CERTIFICATE

BORROWER : PUMA BIOTECHNOLOGY, INC.
LENDERS: SILICON VALLEY BANK, as Administrative Agent, Collateral Agent and Lender
OXFORD FINANCE LLC, as Lender

DATE : May 8, 2018

I hereby certify as follows, as of the date set forth above:

1. I am the Secretary, Assistant Secretary or other officer of Borrower. My title is as set forth below.
2. Borrower's exact legal name is set forth above. Borrower is a corporation existing under the laws of the State of Delaware .
3. Attached hereto as Exhibit A and Exhibit B, respectively, are true, correct and complete copies of (i) Borrower's Certificate of Incorporation (including amendments), as filed with the Secretary of State of the state in which Borrower is incorporated as set forth in paragraph 2 above; and (ii) Borrower's Bylaws. Neither such Certificate of Incorporation nor such Bylaws have been amended, annulled, rescinded, revoked or supplemented, and such Articles/Certificate of Incorporation and such Bylaws remain in full force and effect as of the date hereof.
4. The following resolutions were duly and validly adopted by Borrower's Board of Directors at a duly held meeting of such directors (or pursuant to a unanimous written consent or other authorized corporate action). Such resolutions are in full force and effect as of the date hereof and have not been in any way modified, repealed, rescinded, amended or revoked, and the Lenders may rely on them until each Lender receives written notice of revocation from Borrower.

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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

RESOLVED , that **any one** of the following officers or employees of Borrower, whose names, titles and signatures are below, may act on behalf of Borrower:

Name

Title

Signature

RESOLVED FURTHER, that **any one** of the persons designated above with a checked box beside his or her name may, from time to time, add or remove any individuals to and from the above list of persons authorized to act on behalf of Borrower.

RESOLVED FURTHER , that such individuals may, on behalf of Borrower:

Borrow Money . Borrow money from the Lenders.

Execute Loan Documents . Execute any loan documents any Lender requires.

Grant Security . Grant Collateral Agent a security interest in any of Borrower's assets.

Negotiate Items . Negotiate or discount all drafts, trade acceptances, promissory notes, or other indebtedness in which Borrower has an interest and receive cash or otherwise use the proceeds.

Further Acts . Designate other individuals to request advances, pay fees and costs and execute other documents or agreements (including documents or agreement that waive Borrower's right to a jury trial) they believe to be necessary to effectuate such resolutions.

RESOLVED FURTHER , that all acts authorized by the above resolutions and any prior acts relating thereto are ratified.

[Balance of Page Intentionally Left Blank]

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

5. The persons listed above are Borrower's officers or employees with their titles and signatures shown next to their names.

By:

Name:

Title:

**** If the Secretary, Assistant Secretary or other certifying officer executing above is designated by the resolutions set forth in paragraph 4 as one of the authorized signing officers, this Certificate must also be signed by a second authorized officer or director of Borrower.*

I, the _____ of Borrower, hereby certify as to paragraphs 1 through 5 above, as
[print title]
of the date set forth above.

By:

Name:

Title:

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

EXHIBIT D

Form of Secured Promissory Note

SECURED PROMISSORY NOTE
(Term A Loan)

\$64,516,129.00

Dated: May 8, 2018

FOR VALUE RECEIVED, the undersigned, PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”) HEREBY PROMISES TO PAY to the order of SILICON VALLEY BANK (“**Lender**”) the principal amount of SIXTY-FOUR MILLION FIVE HUNDRED SIXTEEN THOUSAND ONE HUNDRED TWENTY-NINE DOLLARS (\$64,516,129.00) or such lesser amount as shall equal the outstanding principal balance of the Term A Loan made to Borrower by Lender, plus interest on the aggregate unpaid principal amount of such Term A Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated October 31, 2017 by and among Borrower, Lender, Oxford Finance LLC, and the other Lenders from time to time party thereto (as amended, restated, supplemented or otherwise modified from time to time, including by that certain First Amendment to Loan and Security Agreement dated as of May 8, 2018, the “**Loan Agreement**”). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Term A Loan, are payable in lawful money of the United States of America to Lender as set forth in the Loan Agreement and this Secured Promissory Note (this “**Note**”). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by Lender and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

The Loan Agreement, among other things, (a) provides for the making of a secured Term A Loan by Lender to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Term A Loan, interest on the Term A Loan and all other amounts due Lender under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys’ fees and costs, incurred by Lender in the enforcement or attempt to enforce any of Borrower’s obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by Lender or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

[Balance of Page Intentionally Left Blank]

*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:

*Silicon Valley Bank
Secured Promissory Note
Term A Loan*

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By
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*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

**SECURED PROMISSORY NOTE
(Term A Loan)**

\$16,000,000.00

Dated: May 8, 2018

FOR VALUE RECEIVED, the undersigned, PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”) HEREBY PROMISES TO PAY to the order of OXFORD FINANCE LLC (“**Lender**”) the principal amount of SIXTEEN MILLION DOLLARS (\$16,000,000.00) or such lesser amount as shall equal the outstanding principal balance of the Term A Loan made to Borrower by Lender, plus interest on the aggregate unpaid principal amount of such Term A Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated October 31, 2017 by and among Borrower, Lender, Oxford Finance LLC, and the other Lenders from time to time party thereto (as amended, restated, supplemented or otherwise modified from time to time, including by that certain First Amendment to Loan and Security Agreement dated as of May 8, 2018, the “**Loan Agreement**”). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Term A Loan, are payable in lawful money of the United States of America to Lender as set forth in the Loan Agreement and this Secured Promissory Note (this “**Note**”). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by Lender and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

The Loan Agreement, among other things, (a) provides for the making of a secured Term A Loan by Lender to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Term A Loan, interest on the Term A Loan and all other amounts due Lender under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys’ fees and costs, incurred by Lender in the enforcement or attempt to enforce any of Borrower’s obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by Lender or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

[Balance of Page Intentionally Left Blank]

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:

*Oxford Finance LLC
Secured Promissory Note No. 3
Term A Loan*

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By
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***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

**SECURED PROMISSORY NOTE
(Term A Loan)**

\$ 14,483,871.00

Dated: May 8, 2018

FOR VALUE RECEIVED, the undersigned, PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”) HEREBY PROMISES TO PAY to the order of OXFORD FINANCE LLC (“**Lender**”) the principal amount of FOURTEEN MILLION FOUR HUNDRED EIGHTY-THREE THOUSAND EIGHT HUNDRED SEVENTY-ONE DOLLARS (\$14,483,871.00) or such lesser amount as shall equal the outstanding principal balance of the Term A Loan made to Borrower by Lender, plus interest on the aggregate unpaid principal amount of such Term A Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated October 31, 2017 by and among Borrower, Lender, Oxford Finance LLC, and the other Lenders from time to time party thereto (as amended, restated, supplemented or otherwise modified from time to time, including by that certain First Amendment to Loan and Security Agreement dated as of May 8, 2018, the “**Loan Agreement**”). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Term A Loan, are payable in lawful money of the United States of America to Lender as set forth in the Loan Agreement and this Secured Promissory Note (this “**Note**”). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by Lender and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

The Loan Agreement, among other things, (a) provides for the making of a secured Term A Loan by Lender to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Term A Loan, interest on the Term A Loan and all other amounts due Lender under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys’ fees and costs, incurred by Lender in the enforcement or attempt to enforce any of Borrower’s obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by Lender or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

[Balance of Page Intentionally Left Blank]

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:

*Oxford Finance LLC
Secured Promissory Note No. 4
Term A Loan*

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By
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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

EXHIBIT E

Form of Amended and Restated Secured Promissory Note

AMENDED AND RESTATED SECURED PROMISSORY NOTE – TERM A LOAN
(Original Term A Loan – original face amount of \$16,500,000.00)

\$16,500,000.00

Dated: May 8, 2018

FOR VALUE RECEIVED, the undersigned, PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”) HEREBY PROMISES TO PAY to the order of OXFORD FINANCE LLC (“**Lender**”) the principal amount of SIXTEEN MILLION FIVE HUNDRED THOUSAND DOLLARS (\$16,500,000.00) or such lesser amount as shall equal the outstanding principal balance of the Oxford Original Term A Loan made to Borrower by Lender, plus interest on the aggregate unpaid principal amount of such Oxford Original Term A Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated as of October 31, 2017 by and among Borrower, Lender, Oxford Finance LLC, and the other Lenders from time to time party thereto (as amended, restated, supplemented or otherwise modified from time to time, including by that certain First Amendment to Loan and Security Agreement dated as of May 8, 2018, the “**Loan Agreement**”). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Oxford Original Term A Loan, are payable in lawful money of the United States of America to Lender as set forth in the Loan Agreement and this Secured Promissory Note (this “**Note**”). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by Lender and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

This Note amends and restates, in its entirety, that certain Secured Promissory Note, dated October 31, 2017, in the original principal amount of SIXTEEN MILLION FIVE HUNDRED THOUSAND DOLLARS (\$16,500,000.00), executed by Borrower in favor of Lender and issued pursuant to the Loan Agreement.

The Loan Agreement, among other things, (a) provides for the making of a secured Oxford Original Term A Loan by Lender to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Oxford Original Term A Loan, interest on the Oxford Original Term A Loan and all other amounts due Lender under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys’ fees and costs, incurred by Lender in the enforcement or attempt to enforce any of Borrower’s obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by Lender or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:

*Oxford Finance LLC
Amended and Restated Secured Promissory Note No. 1
Term A Loan*

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By
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*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

AMENDED AND RESTATED SECURED PROMISSORY NOTE – TERM A LOAN
(Original Term A Loan – original face amount of \$13,500,000.00)

\$13,500,000.00 Dated: May 8, 2018

FOR VALUE RECEIVED, the undersigned, PUMA BIOTECHNOLOGY, INC., a Delaware corporation with offices located at 10880 Wilshire Blvd., Ste. 2150, Los Angeles, CA 90024 (“**Borrower**”) HEREBY PROMISES TO PAY to the order of OXFORD FINANCE LLC (“**Lender**”) the principal amount of THIRTEEN MILLION FIVE HUNDRED THOUSAND DOLLARS (\$13,500,000.00) or such lesser amount as shall equal the outstanding principal balance of the Oxford Original Term A Loan made to Borrower by Lender, plus interest on the aggregate unpaid principal amount of such Oxford Original Term A Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated as of October 31, 2017 by and among Borrower, Lender, Oxford Finance LLC, and the other Lenders from time to time party thereto (as amended, restated, supplemented or otherwise modified from time to time, including by that certain First Amendment to Loan and Security Agreement dated as of May 8, 2018, the “**Loan Agreement**”). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Oxford Original Term A Loan, are payable in lawful money of the United States of America to Lender as set forth in the Loan Agreement and this Secured Promissory Note (this “**Note**”). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by Lender and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

This Note amends and restates, in its entirety, that certain Secured Promissory Note, dated October 31, 2017, in the original principal amount of THIRTEEN MILLION FIVE HUNDRED THOUSAND DOLLARS (\$13,500,000.00), executed by Borrower in favor of Lender and issued pursuant to the Loan Agreement.

The Loan Agreement, among other things, (a) provides for the making of a secured Oxford Original Term A Loan by Lender to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Oxford Original Term A Loan, interest on the Oxford Original Term A Loan and all other amounts due Lender under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys’ fees and costs, incurred by Lender in the enforcement or attempt to enforce any of Borrower’s obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by Lender or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

[Balance of Page Intentionally Left Blank]

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

PUMA BIOTECHNOLOGY, INC.

By
Name:
Title:

*Oxford Finance LLC
Amended and Restated Secured Promissory Note No. 2
Term A Loan*

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By
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***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Confidential Treatment Requested by Puma Biotechnology, Inc.

DEED OF AMENDMENT
Amendment No.1 to the License Agreement

This deed of amendment is made on the 20th day of April, 2018

by and between:

PUMA Biotechnology, Inc., a company incorporated in Delaware, United States of America, with its principal place of business at 10880 Wilshire Blvd., Suite 2150, Los Angeles, CA 90024 (" **PUMA** ");

and

Specialised Therapeutics Asia Pte Ltd., a proprietary limited company incorporated under the laws of the Republic of Singapore, with its principal place of business at 50 Raffles Place, #32-01, Singapore Land Tower, Singapore, 048623 (" **STA** ").

(PUMA and STA are sometimes referred to herein individually as a " **Party** " and collectively as the " **Parties** ").

RECITALS

- A. PUMA and STA entered into a license agreement with an effective date of November 20, 2017 (" **License Agreement** ") setting forth certain rights and obligations of both Parties relating to the regulatory approval, marketing, distribution and selling of the Product (as defined in the License Agreement) in the Territory (as defined in the License Agreement);
- B. For the mutual benefit of both Parties, STA and PUMA, intending to be legally bound, have agreed to amend the terms of the License Agreement as set out in this deed of amendment (" **Deed** ");

OPERATIVE PROVISIONS

1. VARIATION OF LICENSE AGREEMENT

With effect on and from the date of this Deed, the License Agreement shall be amended by:

- a. amending Section 1.63 by deleting the word " *Royalty* ";
- b. replacing the words " *Royalty Term* " throughout the agreement, with the word " *Term* ";
- c. amending the heading to Article 6 by:
 - i. deleting the semi-colon after the word "PAYMENTS"; and
 - ii. removing the word "ROYALTIES";
- d. amending Section 6.3 to read as follows: "[INTENTIONALLY OMITTED]";
- e. amending Section 6.4 to read as follows:

6.4 " **Third Party License** . If, during the Term and following the Effective Date, STA becomes aware that its Commercialization of the Licensed Product in the Territory may infringe the intellectual property rights of a Third Party, STA shall immediately notify PUMA in writing and the Parties shall jointly consider whether the Commercialization of the Licensed

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

*Product in the Territory by STA would infringe the intellectual property rights of such Third Party unless a license is obtained from such Third Party (a "Third Party License"). If such Third Party License is necessary to allow STA to exploit the Licensed Product in the Territory, and STA obtains such Third Party License on arms' length terms, then, subject to satisfactory proof of payment, STA shall have the right to [***] of the amounts [***] by STA pursuant to the terms of any such Third Party License during a particular [***], as determined pursuant to Section 3.2.2 of the Supply Agreement; provided that [***] shall not be taken in any [***] to reduce the amount otherwise due pursuant to Section 3.2.2 of the Supply Agreement by more than [***] of the royalties payable with respect to Licensed Product pursuant to the Pfizer License Agreement."*

- f. amending Section 6.5 to read as follows: "[INTENTIONALLY OMITTED]";
- g. amending Section 6.6 to read as follows: "[INTENTIONALLY OMITTED]"; amending Section 7.7.5(a) to read as follows:
 - (a) in respect of Licensed Patents in the Territory: (i) if PUMA is the enforcing Party: the remaining amount will be shared [***] to PUMA and [***] to ST A, or (ii) if STA is the enforcing Party: the remaining amount will be [***];
- h. amending Section 13.16.1 by:
 - i. inserting the words ["[***]"] after the word "Attention:"; and
 - ii. inserting the numbers ["[***]"] after the word "Facsimile:";
- i. amending Section 13.16.2 by inserting the numbers [***] after the word "Facsimile:";

2. DATE OF OPERATION

This Deed operates and is effective from the date on which it is duly executed by the parties.

3. COUNTERPARTS

This Deed may be executed in any number of counterparts. All counterparts, taken together, constitute one agreement.

4. MISCELLANEOUS

- a. The words, expressions and phrases used in this Deed, unless the context otherwise requires, shall have the same respective meanings as they bear in the License Agreement.
- b. This Deed, together with the License Agreement and the Supply Agreement (as defined in the License Agreement), constitute the entire agreement between the Parties with respect to the subject matter contained therein, and together, supersede and replace any and all prior and contemporaneous understandings, arrangements and agreements, whether oral or written, with respect to the subject matter contained herein.
- c. Except as otherwise amended hereby, the Agreement shall remain in full force and effect as presently written, and the rights, duties, liabilities and obligations of the Parties thereto, as presently constituted, will continue in full effect.

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

IN WITNESS WHEREOF, STA and PUMA have caused this Deed to be executed as a deed by their duly authorized representatives.

PUMA Biotechnology, Inc.

Specialised Therapeutics Asia Pte Ltd

By: /s/ Alan H. Auerbach

Name: Alan H. Auerbach
Title: Chief Executive Officer

By: /s/ Carlo Montagner

Name: Carlo Montagner
Title: Chief Executive Officer

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Confidential Treatment Requested by Puma Biotechnology, Inc.

CONFIDENTIAL

SUPPLY AGREEMENT

BETWEEN

PUMA BIOTECHNOLOGY, INC

AND

**SPECIALISED THERAPEUTICS ASIA PTE LTD
(Singapore)**

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SUPPLY AGREEMENT

This supply agreement (“ **Supply Agreement** ”) is made as of 20 April 2018 (“ **Effective Date** ”), by and between **PUMA Biotechnology , Inc.** , a company incorporated in Delaware, United States of America, with its principal place of business at 10880 Wilshire Blvd., Suite 2150, Los Angeles, CA 90024 (“ **PUMA** ”), as licensor, and **Specialised Therapeutics Asia Pte Ltd.** , a proprietary limited company incorporated under the laws of the Republic of Singapore, with its principal place of business at 50 Raffles Place, #32-01, Singapore Land Tower, Singapore, 048623 (“ **STA** ”), as licensee. PUMA and STA are sometimes referred to herein individually as a “ **Party** ” and collectively as the “ **Parties** ”.

RECITALS

- A. PUMA and STA have entered into a License Agreement effective as of 20 November 2017 under which PUMA grants STA a license under intellectual property rights controlled by PUMA to commercialize the Compound in the Territory (the “ **License Agreement** ”);
- B. Section 5.1 of the License Agreement provides that the Parties shall enter into a supply agreement pursuant to which PUMA shall supply the Licensed Product to STA.
- C. PUMA wishes to supply to STA, and STA wishes to purchase from PUMA the Licensed Product for sale for the Indications in the Territory, on the terms and conditions set out in this Supply Agreement.

NOW, THEREFORE, in consideration of the mutual promises, covenants and agreements hereinafter set forth, the Parties hereto agree as follows:

ARTICLE 1 DEFINITIONS

As used throughout this Supply Agreement, each of the following terms shall have the respective meaning set forth below. Capitalized terms not otherwise defined in this Supply Agreement shall have the same meaning as set forth in the License Agreement.

- 1.1 “ **Affiliate** ” has the same meaning as in the License Agreement.
- 1.2 “ **Annual Gross Sales Price** ” means annual gross amount invoiced by or on behalf of STA, its Affiliates and their respective Sublicensees for sales of any Licensed Product in the Territory.
- 1.3 “ **Apparent Defect** ” means a defect consisting in (i) non-conformity in the Supply to the applicable Manufacturing Standards; (ii) any shortage in quantities supplied by PUMA in accordance with the Forecast and the terms of this Supply Agreement; or (iii) the Supply not having the requisite minimum shelf life at delivery pursuant to Section 5.7; in each case, with such defect found or that could be reasonably found during the inspection conducted by STA at the time of delivery of the Supplies pursuant to Section 5.12.1.
- 1.4 “ **Applicable Law** ” has the same meaning as in the License Agreement.
- 1.5 “ **Business Day** ” has the same meaning as in the License Agreement.
- 1.6 “ **Calendar Quarter** ” has the same meaning as in the License Agreement.
- 1.7 “ **Calendar Year** ” means any period of time from 1 January to 31 December.

[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

- 1.8 “ **cGMP** ” or “current **Good Manufacturing Practice** ” means the current rules governing medicinal products in developed countries that are members of PIC/S, which are suitable for the Supplies. The United States, Singapore, Australia and New Zealand are examples of member states of PIC/S.
- 1.9 “ **Clinical Product** ” means units of the Licensed Product that are or are designated to be “Clinical Supplies”.
- 1.10 “ **Clinical Supplies** ” means SAS Supplies and those supplies of the Licensed Product provided by STA at no cost and without consideration to third parties solely for the purpose of conducting bona fide clinical trials and/or early access programs and compassionate-use programs.
- 1.11 “ **Commercial Supplies** ” means the supplies of the Licensed Product by PUMA to STA for the purposes of being sold by STA within the Territory, manufactured in compliance with current cGMPs, in suitable form and ready to be offered for sale in the Territory, or any other supply of the Licensed Product not being a Clinical Supply.
- 1.12 “ **Commercialization** ” has the same meaning as in the License Agreement.
- 1.13 “ **Commercially Reasonable Efforts** ” has the same meaning as in the License Agreement.
- 1.14 “ **Compound** ” has the same meaning as in the License Agreement.
- 1.15 “ **Cost of Goods** ” means, with respect to the Licensed Product, [***] of the Fully Burdened Cost of the Licensed Product sold in a Calendar Quarter.
- 1.16 “ **Deductions** ” has the same meaning as in the License Agreement.
- 1.17 “ **Defective Supply** ” means any Supply that contains an Apparent Defect or a Latent Defect.
- 1.18 “ **Delivery Date** ” means the date on which the Licensed Products ordered by STA are to be delivered by PUMA and which date is also included in the corresponding Forecast; provided that such Delivery Date in any Forecast complies with provisions of this Supply Agreement and has been confirmed in writing by PUMA.
- 1.19 “ **Dollars** ” or “ **\$** ” has the same meaning as in the License Agreement.
- 1.20 “[***]” or “[***]” shall have the meaning as such term is defined in [***].
- 1.21 “ **FDF of the Licensed Product** ” or “ **FDF** ” means finished dosage form of the Licensed Product which, as of the Effective Date, consists of [***] of the Licensed Product in [***] or, [***].
- 1.22 “ **First Commercial Sale** ” has the same meaning as in the License Agreement.
- 1.23 “ **Forecast** ” has the meaning set forth in Section 4.2.
- 1.24 “ **Fully Burdened Cost** ” means, with respect to the Licensed Product, all costs actually incurred by PUMA or its Affiliate(s) attributable and fairly allocable to production, packaging, supply and distribution of the Licensed Product to STA and any consideration (not reimbursed by STA) paid to third parties for the acquisition or sale of such Licensed Product, which costs include the direct material and labor and indirect costs (fairly allocated) that are incurred by PUMA or its Affiliate(s) associated with the manufacture, filling, packaging, labeling, and preparation of Licensed Product for shipment and/or other preparation of such Licensed Product, as applicable,

including, but not limited to taxes, fees, and customs incurred, as applicable. Fully Burdened Costs will be determined in accordance with U.S. Generally Accepted Accounting Principles (U.S. GAAP) and will include but will not be limited to the attributable and fairly allocable costs of facilities, labor, purchasing, depreciation of equipment, materials, payments to third parties for any necessary contract work for the manufacture or testing of the Licensed Product, quality assurance, quality control and other testing (including validation studies), storage, shipping and costs for distribution, excess capacity costs and a reasonable allocation of general and administrative overhead for manufacturing operations.

- 1.25 “ **Indications** ” has the same meaning as in the License Agreement.
- 1.26 “ **Information and Inventions** ” has the same meaning as in the License Agreement.
- 1.27 “ **Joint Inventions** ” has the same meaning as in the License Agreement.
- 1.28 “ **Latent Defect** ” means any non-conformity, pursuant to Section 5.12.2 of this Supply Agreement, in the Supply to the applicable Manufacturing Standards in the Licensed Product which was not found and could not be reasonably expected to have been found during the visual inspection performed by STA at the delivery of the Supply.
- 1.29 “ **Licensed Product** ” has the same meaning as in the License Agreement.
- 1.30 “ **Manufacture** ” means all activities related to the manufacturing of a pharmaceutical product, or any ingredient thereof, either directly or through a contract manufacturer, including manufacturing Licensed Product or supplies for use in registration with a Regulatory Authority in the Territory, manufacturing of Licensed Product for commercial sale, in-process and semi-finished product testing, release of Licensed Product or any component or ingredient thereof, quality assurance activities related to manufacturing and release of Licensed Product, and ongoing stability tests and regulatory activities related to any of the foregoing. “ **Manufactured** ” or “ **Manufacturing** ” shall have correlative meanings.
- 1.31 “ **Manufacturing Standards** ” means collectively, the Specifications of the Licensed Product and all applicable cGMPs.
- 1.32 “ **Net Sales Price** ” has the same meaning as “Net Sales” in the License Agreement.
- 1.33 “ **Net Sales Price Payment** ” has the meaning set forth in Section 3.2.2.
- 1.34 “ **Net Sales Price Term** ” means, on a Licensed Product-by-Licensed Product and country-by-country basis in the Territory, the period commencing on the First Commercial Sale of the Licensed Product in such country and expiring upon the later of: (i) expiration or abandonment of the last Valid Claim of the Patent which covers the Licensed Product in such country, or (ii) the earlier of (A) the time when Generic Competitors to the Licensed Product have achieved [***] or more market share in such country based on unit volume, or (B) ten (10) years following the date of First Commercial Sale of the Licensed Product in such country. “Generic Competitors” means, with respect to the Licensed Product being sold in any country, [***].
- 1.35 “ **Packaging Materials** ” means the bottle, desiccant canister, and closure that come into contact with the tablets, immediate packaging carton, label and package leaflet of the FDF of the Licensed Product for the Territory.
- 1.36 “ **Patent** ” has the same meaning as in the License Agreement.

- 1.37 “ **Person** ” has the same meaning as in the License Agreement.
- 1.38 “ **Pfizer** ” has the same meaning as in the License Agreement.
- 1.39 “ **Pfizer License Agreement** ” has the same meaning as in the License Agreement.
- 1.40 “ **PIC/S** ” means the Pharmaceutical Inspection Convention and Pharmaceutical Inspection Co-operation Scheme, being international instruments between countries and pharmaceutical inspection authorities to improve co-operation in the field of cGMP.
- 1.41 “ **Presentation** ” means each unit of the Licensed Product differentiated by strength, bottle count and country-specific labelling for the Licensed Product (if applicable) as set forth in **Appendix 2** and as may be updated from time to time pursuant to Section 5.5.
- 1.42 “ **Price** ” has the meaning set forth in Section 3.1.
- 1.43 “ **PUMA Inventions** ” has the same meaning as in the License Agreement.
- 1.44 “ **Registration** ” means any official approval, or authorization by the competent Regulatory Authority of the Territory or, as applicable, in a country outside the Territory, which is legally required to lawfully market the Licensed Products in the Territory or such country.
- 1.45 “ **Regulatory Authority** ” has the same meaning as in the License Agreement.
- 1.46 “ **Related Party** ” has the same meaning as in the License Agreement.
- 1.47 “ **SAS** ” or “ **Special Access Scheme** ” means a program for the supply of the Licensed Product in Australia to patients under an exemption for therapeutic goods as permitted under sections 18 and 19 of the Australian *Therapeutic Goods Act 1989* (Cth) and any regulations issued thereunder from time to time.
- 1.48 “ **SAS Disposition** ” has the meaning set forth in Section 6.1.
- 1.49 “ **SAS Supply** ” has the meaning set forth in Section 5.2.
- 1.50 “ **Specifications** ” means the approved documentation for the composition, product safety assurance, manufacture, packaging, testing and/or quality control of the supplies of the Licensed Product as specified in the Drug Approval Application (as defined in the License Agreement), together with any changes to such specifications made at the request of a Regulatory Authority in the Territory or by mutual written agreement of the Parties from time to time.
- 1.51 “ **STA Inventions** ” has the same meaning as in the License Agreement.
- 1.52 “ **Sublicensee** ” has the same meaning as in the License Agreement.
- 1.53 “ **Supply (ies)** ” means both Commercial Supplies and Clinical Supplies.
- 1.54 “ **Technical and Quality Agreement** ” means the technical and quality agreement as referred to in Section 5.13.
- 1.55 “ **Term** ” has the meaning set forth in Section 7.1.
- 1.56 “ **Territory** ” has the same meaning as in the License Agreement.

- 1.57 “ **Third Party** ” has the same meaning as in the License Agreement.
- 1.58 “ **United States** ” has the same meaning as in the License Agreement.
- 1.59 “ **Valid Claim** ” has the same meaning as in the License Agreement.

ARTICLE 2
SUPPLY OF LICENSED PRODUCT

- 2.1 Subject to the terms and conditions of this Supply Agreement and the License Agreement, and solely for the Term of this Supply Agreement, PUMA shall use Commercially Reasonable Efforts to supply those quantities of Commercial Products and Clinical Products ordered by STA pursuant to this Supply Agreement subject to the forecast and ordering procedures set out in ARTICLE 4 below, as applicable; provided, however that PUMA shall in no event be obliged to provide any quantity of Licensed Products which is not forecasted and ordered in compliance with the forecast and ordering procedure set forth in ARTICLE 4.
- 2.2 All requirements of STA (or its Affiliates) for the Licensed Product for the Territory during the Term of the License Agreement shall be purchased by STA solely from PUMA.
- 2.3 STA acknowledges that PUMA shall have the right at any time during the Term of the License Agreement and this Supply Agreement to satisfy its supply obligations of the Licensed Product to STA hereunder either in whole or in part through arrangements with third parties engaged to perform services in connection with the manufacture, testing, and/or packaging of the Licensed Product; provided that PUMA shall remain responsible for such activities that PUMA is obligated to perform under this Supply Agreement to the same extent as if PUMA had performed such activities itself.
- 2.4 PUMA shall be responsible, at its own expense, for procuring, any and all raw material for the manufacturing, packaging and delivery of the Supplies. Unless otherwise provided herein regarding changes in Packaging Materials, the cost of such raw material shall be included in the Price for the Supplies.

ARTICLE 3
PRICE

- 3.1 Price. As of the Effective Date, the price to be charged by PUMA to STA for the Supplies will be the sum of (i) the amount calculated pursuant to Section 3.2.2 and (ii) the Cost of Goods (“ **Price** ”); provided, however, that the price for any Clinical Supply including SAS Supply that is disposed of by STA free of charge or sold at a price that is lower than the Price shall be determined as set forth in Appendix 3. During the Term of the Supply Agreement, the Cost of Goods, which is based on the Fully Burden Cost, will be updated pursuant to Section 3.5.
- 3.2 Payment Terms. All Supplies (which, for the avoidance of doubt, include Commercial Supplies and Clinical Supplies) will be made on the following terms:
- 3.2.1** at the time of delivery of Licensed Products, or as soon as practicable thereafter, PUMA will provide STA with an invoice for the Cost of Goods in respect of those Licensed Products; and
- 3.2.2** STA shall pay PUMA a payment equal to a percentage of the Net Sales Price of the Licensed Product in the Territory as specified in Item 1 of Appendix 1 in each Calendar

Quarter during the Net Sales Price Term and, in respect of any Net Sales Price comprising sales of the Licensed Product for use in a named patient access program, in each Calendar Quarter during any period prior to and including the Net Sales Price Term, until the expiration of the Net Sales Price Term (each such payment, a “**Net Sales Price Payment**”):

- 3.3 Net Sales Price Payments. Net Sales Price Payments shall be made by STA within [***] days after the end of each Calendar Quarter commencing with the Calendar Quarter in which the First Commercial Sale occurs, STA shall also provide to PUMA, at the same time each such Net Sales Price Payment is made, a report showing: reasonably detailed information regarding a total monthly sales calculation, on a country-by-country basis, of Net Sale Price of Licensed Product (including gross sales and all Deductions) and all Net Sale Price Payments payable to PUMA for the applicable Calendar Quarter (including any foreign exchange rates employed and conversation calculations).
- 3.4 Method of Payment; Currency Conversion; Interest on Late Payments. Except as (and only to the extent) otherwise stated in Section 3.3, all payments due hereunder to PUMA shall be paid to PUMA in United States dollars no later than [***] days following the date of receipt of the applicable invoice but not earlier than the date of shipment, unless such shipment of Licensed Product is rejected in accordance with the provisions of Section 5.12. All payments under this Supply Agreement shall be made by bank wire transfer with immediately available funds to a bank account designated in writing by PUMA or by other means as agreed to by the Parties in writing. Payments hereunder will be considered to be made as of the day on which such payments are received by PUMA’s designated bank. Conversion of sales recorded in local currencies to United States dollars will be performed using an exchange rate for conversion of the foreign currency into United States dollars calculated using the [***], or such other exchange rate or by reference to such other method of calculation of conversation rates as agreed from time to time by the parties in writing. If any payment due to PUMA under this Agreement is not paid when due, then STA shall pay interest thereon and on any unpaid accrued interest (before and after any judgment) at [***] percent ([***]%) above the Prime Rate of interest as reported in the Wall Street Journal on the date payment is due, such interest to run from the date upon which payment of such amount became due until payment thereof in full together with such accrued interest.
- 3.5 Fully Burdened Cost. The Fully Burdened Cost per unit of Licensed Product as of the Effective Date is set out in Item 2 of Appendix 1. The Parties agree that the Fully Burdened Cost will vary over time and is not intended to be set for any time period. To provide visibility into the applicable Fully Burdened Cost for Licensed Product ordered by STA, Puma shall include, in its invoice provided pursuant to Section 3.2.1 for the Licensed Product supplied to STA, an updated breakdown of the elements of the Fully Burdened Cost used to calculate the Price applicable to the Licensed Product so supplied to STA.
- 3.6 Relevant Records. STA shall keep, and shall cause its Affiliates and Sublicensees to keep accurate financial books and records pertaining to: STA’s and its Affiliates’ and Sublicensees’ sale of Licensed Product, including any and all calculations of Net Sales Price Payments due to PUMA hereunder (collectively, “**Relevant Records**”). STA, its Affiliates and Sublicensees shall maintain the Relevant Records for the longer of: (i) the period of time required by Applicable Law, or (ii) [***] years following expiration or termination of this Agreement. STA shall require its Sublicensees to provide to STA (so that STA may provide the same to PUMA) copies of all Relevant Records relating to such Sublicensees’ sale of Licensed Products as necessary to allow PUMA or if applicable Pfizer (under the Pfizer License Agreement) to review such Relevant Records when conducting an audit of STA or PUMA, as applicable, pursuant to Section 3.7.

Notwithstanding Article 8, pursuant to the Pfizer License Agreement, Pfizer will be allowed to review such Relevant Records.

- 3.7 Audit Rights. PUMA shall have the right during the term and for [***] years thereafter to engage, at its own expense, an independent auditor reasonably acceptable to STA to examine the Relevant Records in STA's or its Related Parties' possession from time-to-time, but no more frequently than once every [***], as may be necessary to verify compliance with the terms of this Agreement. Such audit shall be requested in writing at least [***] Business Days in advance, and shall be conducted during STA's (or its Related Parties', as applicable) normal business hours and otherwise in manner that minimizes any interference to STA's (or its Related Parties', as applicable) business operations. PUMA shall bear any and all fees and expenses it may incur in connection with any such audit of the Relevant Records; provided, however, in the event an audit reveals an underpayment by STA of more than [***] percent ([***]%) as to the period subject to the audit, STA shall reimburse PUMA for any reasonable and documented out-of-pocket costs and expenses of the audit within [***] days after receiving invoices thereof. If any audit establishes that STA underpaid any amounts due to PUMA under this Agreement, then STA shall pay PUMA any such deficiency within [***] days after receipt of written notice thereof. For the avoidance of doubt, such payment will be considered a late payment, subject to Section 3,4. If any audit establishes that STA overpaid any amounts due to PUMA under this Agreement, then STA shall be entitled to take a credit against future amounts becoming due to PUMA equal to the overpaid amount.

ARTICLE 4

FORECAST AND PURCHASE ORDERS

- 4.1 Commercial Launch. STA shall notify PUMA approximately [***] in advance of the anticipated First Commercial Sale of any Licensed Product. Such notification shall include a preliminary estimate of the quantity of Licensed Product needed for such commercial launch. STA may change the estimated date of the First Commercial Sale and the estimated quantity of Licensed Product needed for such commercial launch at any time by notifying PUMA; provided, however, that STA will provide PUMA with an estimate of the minimum amount of Licensed Product that will be necessary for such commercial launch at least [***] prior to such launch (the "Launch Quantities"). Such Launch Quantities must be consistent with the relevant portion of the rolling forecast described in Section 4.2 below.
- 4.2 Rolling Forecasts. In the first week of each [***], starting with the [***] that begins at least [***] before the anticipated First Commercial Sale, STA shall provide PUMA with a written [***] rolling forecast of its anticipated [***] requirements for the Licensed Product in the Territory (each a "**Forecast**"). Each Forecast is a non-binding estimate and shall not obligate STA to purchase the volume of Licensed Product set forth in such Forecast; provided, however, that, beginning on [***] and continuing for the remainder of the Term, the volume of Licensed Product forecasted for the first [***] of each Forecast shall be binding upon STA. PUMA shall not be obligated to supply STA with quantities of Licensed Product in excess of the binding portion of the most recent Forecast, but agrees to use Commercially Reasonable Efforts to do so when requested.
- 4.3 Purchase Orders.
- 4.3.1** STA shall order Licensed Product by submitting written purchase orders, in such form as the Parties shall agree from time to time, to PUMA specifying the quantities of each Licensed Product ordered, the desired shipment date for the order and any special shipping instructions. STA shall submit each purchase order to PUMA at least [***] in

advance of the desired shipment date specified in such purchase order. No purchase order shall be binding upon PUMA unless such purchase order is:

4.3.1.1 consistent with the binding portion of the Forecast; and

4.3.1.2 accepted in writing by PUMA with PUMA's written confirmation of the expected delivery dates.

4.3.2 Any purchase orders for Licensed Product submitted by STA to PUMA shall be governed exclusively by the terms contained herein. The Parties hereby agree that the terms and conditions of this Supply Agreement shall supersede any term or condition in any order, confirmation or other document furnished by STA or PUMA that is in any way inconsistent with, or supplementary to, these terms and conditions, unless expressly accepted in writing by the other Party.

4.4 Quantity and Timing of Orders.

4.4.1 The Parties agree that:

4.4.1.1 Forecasts and orders of Licensed Product, other than SAS Supply, will be expressed by Presentation; and

4.4.1.2 STA shall place orders, and PUMA shall supply the Licensed Product, no more than once per [***], unless otherwise agreed in writing by PUMA in its sole discretion, provided that PUMA will accept up to [***] orders from STA for delivery during [***].

4.4.2 In each [***] period, orders placed by STA shall equate to at least [***] percent ([***]%) and not more than [***] percent ([***]%) of its original Forecast as per Section 4.2. PUMA shall not be obliged to supply more than [***] percent ([***]%) of STA's Forecast of Licensed Products within the applicable [***] period. However, in the event that, in any [***] period, STA's orders are more than the above indicated quantity, PUMA agrees to use Commercially Reasonable Efforts to supply STA with the exceeding quantities of Licensed Product, provided that such effort shall not hamper, delay or otherwise prejudice supplies of Licensed Products to any other of PUMA's customers.

4.4.3 If PUMA and STA agree in writing to include other products as Licensed Products subject to this Supply Agreement, the Parties will agree to the manner in which quantities of other products will be expressed in Forecasts and orders.

ARTICLE 5
CONDITIONS OF SUPPLY OF LICENSED PRODUCT

5.1 Agreement to Supply. Subject to the terms and conditions hereof, PUMA will use Commercially Reasonable Efforts to Manufacture or have Manufactured and supply or have supplied to STA in accordance with the provisions hereof such quantities of Licensed Product as requested by STA to cover the total commercial and registration requirements of STA for the Licensed Product in the Territory.

5.2 SAS Supplies. PUMA will Manufacture or have Manufactured and supply or have supplied to STA the amounts of Licensed Product (identified by Presentation) as set forth in **Appendix 2**, and, if requested by STA and agreed in writing by PUMA, such number of additional bottles of

Licensed Product as agreed in writing by PUMA, subject to STA's compliance with all obligations relating to the supply of the Licensed Product, for use in supplying, offering, selling and disposing of and providing access to such Licensed Product to patients in Australia pursuant to ARTICLE 6 ("SAS Supply").

- 5.3 Form of Licensed Product. STA will promptly provide PUMA with a true and exact copy of any label that is approved by Regulatory Authorities of the Territory for the Commercialization of the Licensed Product. Unless otherwise agreed to in writing by the Parties, the SAS Supply shall be in the form of the Presentation in tablet form packaged in bottles, prepared with labelling, product insert and packaging for a market in which the Licensed Product is currently approved for marketing, as specified in **Appendix 2**. Except for the SAS Supply, which shall be supplied with labelling, product insert and packaging as set forth in Section 5.4, PUMA will supply the Licensed Product to STA in [***] bottles ([***]).
- 5.4 SAS Disposition. PUMA shall have the right and responsibility to perform, at its expense, all activities required to make Licensed Product ready for SAS Disposition as further set forth in ARTICLE 6. Without limiting the foregoing, STA acknowledges that SAS Supply will be in bottles prepared with labelling, product insert and packaging for a market in which the Licensed Product is currently approved for marketing, and STA shall be responsible, at its expense, for (i) all labelling and other written, printed or graphic content for SAS Distribution (A) affixed to the Licensed Product or any container or wrapper utilized with Licensed Product, or (B) accompanying the Licensed Product, including package inserts, (ii) all packaging for the Licensed Product (other than bottles in which the Licensed Product is supplied and labelling for a market in which the Licensed Product is currently approved for marketing) for SAS Disposition, including any additional labels required in Australia for SAS Disposition, cartons, shipping cases or any other materials used in packaging or accompanying the Licensed Product, and (iii) compliance with the Australian *Therapeutic Goods Act 1989* (Cth) and all other Applicable Laws of the relevant Regulatory Authority with respect to the SAS Disposition.
- 5.5 Additional Presentations. If PUMA or its Affiliates determines to Manufacture the FDF with a strength and/or count per bottle that is different than those set forth in **Appendix 2** at the relevant time, PUMA may offer such new presentations to STA. If STA wishes to distribute the proposed new presentations in the Territory, STA shall so inform PUMA in writing, at which time the new presentations shall be deemed to be Presentations and added to **Appendix 2**.
- 5.6 Delivery Terms. Delivery of all Licensed Products shall be made [***] at [***]. Accordingly, PUMA shall deliver the FDF of the Licensed Product on the Delivery Date to [***] at [***] or [***] no later than [***] calendar days before the Delivery Date. PUMA shall ensure that each Licensed Product delivered to STA on the same Delivery Date shall have the same batch number referred to in the Forecast (if any). Upon such delivery, [***] and [***].
- 5.7 Minimum Shelf Life of Commercial Supplies. PUMA shall deliver to STA the Licensed Products with no less than [***] of remaining shelf life, provided that the shelf life for such Licensed Product approved by the competent authorities of the relevant country of the Territory is not less than [***]. In the event that an adequate supply of Licensed Products with no less than [***] of remaining shelf life is not available, PUMA and STA will discuss the existing Licensed Products' availability and PUMA will provide a timeline of when Licensed Products with at least [***] of shelf life will be available. If the shelf life approved by the competent authorities of the Territory for the Licensed Product is less than [***], PUMA shall deliver to STA the Licensed Products with a proportionally decreased shelf life (e.g., if the approved shelf life is [***], then PUMA

shall deliver to STA Licensed Products that, at the time of delivery to STA, have at least [***] of remaining shelf life).

5.8 Manufacturing Standards.

- 5.8.1 PUMA shall only release Licensed Products for shipment to STA which comply with the Manufacturing Standards.
- 5.8.2 Each delivery of Supplies to STA shall be accompanied by the following written documentation: (i) date of manufacture; (ii) delivered amount of the Licensed Product units; (iii) a signed certificate of analysis setting forth the results of tests performed by PUMA or by PUMA's authorized manufacturer as required by the Specifications; and (iv) a signed certificate of compliance with Specifications and cGMPs issued by PUMA (or by PUMA's authorized manufacturer).
- 5.8.3 PUMA also agrees to support, with Commercially Reasonable Efforts, STA in meeting the requirements of any competent authority of the Territory that the Parties agree are necessary for the manufacture of Licensed Products in the Territory as soon as reasonably practicable on the condition that: (a) STA shall provide PUMA sufficient advance notice to support such requirements, (b) PUMA and STA shall agree to a reasonable appropriate course of action to implement such requirements, and (c) any increased cost to PUMA associated with preparing for, and coming into compliance with, such requirements shall be borne by STA.

5.9 Logistics & Distribution.

- 5.9.1 STA shall retain the necessary logistical storage, transportation, and distribution companies or any other logistics company to which STA may delegate or subcontract any logistical activity in connection with Commercialization and which will be performed by such logistics company on STA's or on any of its Affiliates' behalf (herein referred to as "**Logistics Distributors**"). Such Logistics Distributors subcontracted by STA shall follow good pharmaceutical distribution practice and will be certified to conduct medicinal products storage, logistics distribution, transportation or any other logistics activity within the Territory. STA shall ensure that such Logistics Distributor follow all of its obligations under Section 13.4.2 of the License Agreement. A breach of any provision or requirement by such Logistics Distributor that would constitute a breach of this Supply Agreement, the License Agreement, or the Technical and Quality Agreement if such breach were committed by STA shall be deemed a breach by STA.

5.10 Audits. Subject to any contrary provision of the Technical and Quality Agreement:

- 5.10.1 STA shall ensure that PUMA, directly or through an external and independent expert and at its own expense, will be entitled to audit any Logistics Distributor (or any third parties if its subcontracting is approved by PUMA) and any parties involved in STA's activities and obligations under this Supply Agreement and/or the Technical and Quality Agreement during the Term of this Supply Agreement, subject to a prior written notice of [***]. Audits will be organized, prepared and performed together with STA's representatives. Audits will be carried out in a reasonable way, limited to the performance of the activities related to the Commercialization of the Licensed Product that has been subcontracted or delegated to a Logistics Distributor or to such other party. Such audits will be conducted during ordinary business hours and PUMA will use Commercially Reasonable Efforts to cause as little disruption as possible; and

5.10.2 Audits will be limited to a maximum of one (1) audit per [***], except if there is a reasonable suspicion or evidence of non-compliance, in which case PUMA shall be entitled to carry out an audit of any Logistics Distributor or applicable party without any frequency limitation.

5.11 Inspection of STA's or its Logistics Distributors' Facilities by Competent Authorities.

5.11.1 STA shall cooperate in good faith with respect to any inspections conducted by any competent authority of the Territory regarding its facilities related to the Licensed Product and shall give PUMA the opportunity, at PUMA's expense, to attend the meeting with such competent authorities, but only to the extent such sites or facilities are directly involved in the Commercialization activities of the Licensed Product.

5.11.2 STA shall provide PUMA with no less than [***] days advance written notification of any planned inspection of any such facility by any competent authority of the Territory or prompt notification, but in no event less than [***], of STA being informed of any unplanned inspection.

5.11.3 STA will provide PUMA with a copy of any available inspection report related to Commercialization activities involving the Licensed Product in the Territory as soon as commercially reasonable after having received such report and will notify PUMA promptly of any critical finding resulting from such inspection that relates to the Licensed Product.

5.12 Inspection of the Supplies & Product Rejection

5.12.1 STA will perform a visual inspection of the Licensed Product delivered and shall notify PUMA no later than [***] calendar days after the delivery of the Licensed Product of any damage, non-conformity to the applicable Manufacturing Standards, or shortage in quantities and STA shall immediately present reasonable evidence to PUMA of such Apparent Defects. PUMA shall replace the Licensed Products in which such Apparent Defects are discovered if such defect has not been caused by inadequate storage, transportation and/or distribution of the Licensed Product after it was transferred to STA in accordance with Section 5.6 of this Supply Agreement. Except as provided in Section 5.12.2 of this Supply Agreement, if STA fails to notify PUMA within such [***] calendar day period of any such Apparent Defects, the Licensed Product shall be deemed to be free from Apparent Defects.

5.12.2 If during the applicable shelf life of the Licensed Product, STA discovers any Latent Defect, STA shall notify PUMA in writing as soon as possible but no later than [***] Business Days from the discovery of such Latent Defect and shall present reasonable evidence to PUMA of such Latent Defect together with such notice. In such case, STA may [***] request that PUMA replace a Licensed Product in which such Latent Defect has been discovered in accordance with Section 5.12.3 of this Supply Agreement [***]. If STA fails to notify PUMA within such [***] Business Day period of any such Latent Defects, the Licensed Product shall be deemed to be free from Latent Defects.

5.12.3 PUMA shall replace, at no additional expense to STA, any Licensed Product rejected by STA pursuant to this Section 5.12 as promptly as possible after receipt of STA's notification under Sections 5.12.1 or 5.12.2, as applicable. PUMA may analyse any unit of the Licensed Product for which STA notifies PUMA an Apparent Defect or Latent Defect has been discovered in accordance with Sections 5.12.1 or 5.12.2, as applicable. If

the Parties dispute whether the Licensed Product rejected is in non-conformance with the Manufacturing Standards under this Supply Agreement or has an Apparent Defect or Latent Defect, samples of such shipment of Licensed Product will be submitted to a mutually agreed and reasonably acceptable third-party laboratory or consultant for resolution. Such third-party laboratory or consultant's determination of conformity or non-conformity, and the cause of any such non-conformity, shall be binding upon the Parties. Until such expert's determination of conformity or non-conformity of the Licensed Products, STA may order replacement of the Licensed Products under such expert's examination, which shall be supplied by PUMA under the supply conditions set forth in this Supply Agreement and STA shall pay the corresponding Licensed Product Price. If the third party expert determines the Licensed Product was conforming, then STA shall be responsible for payment for any such units of the Licensed Product and any replacement Licensed Product shipped by PUMA together with the fees of such expert.

However, if such expert determines that the Licensed Product was not materially conforming or had an Apparent Defect or Latent Defect, then the fees of such expert shall be entirely borne by PUMA and PUMA shall replace such non-conforming Licensed Product with new Licensed Product meeting Manufacturing Standards at PUMA's expense. PUMA shall give STA written instructions as to how STA should, at PUMA's expense, dispose of any non-conforming Licensed Product, with such instructions complying with all Applicable Laws.

- 5.12.4** STA shall not have the right to withhold any payments under the License Agreement for any alleged Defective Supply until a final determination of non-conformity is made. However, if all or a part of the delivered Supply is finally determined to be a Defective Supply pursuant to Section 5.12.3 and such final determination is made prior to the date payment is due to PUMA, STA may withhold payment for the portion of Defective Supply thereof and PUMA shall issue the corresponding credit note to STA. If all or a part of the delivered Supply is finally determined to be a Defective Supply, and such determination is made after payment by STA, then STA may decide in its own discretion, but with prior written notice to PUMA, of STA's decision (i) to credit the amount paid against other amounts due to PUMA or (ii) to be reimbursed of such amounts. In this event, PUMA shall pay the corresponding amounts within [***] calendar days.
- 5.12.5** Upon receipt of written notice from STA regarding the existence of an Apparent Defect or a Latent Defect and at STA's request, PUMA shall use Commercially Reasonable Efforts to deliver the replacement for such Supply within the time requested by STA regardless of whether the Supply is finally determined to be a Defective Supply or not.
- 5.12.6** Recall of Licensed Product. For any Licensed Product, in the event that: (a) any Regulatory Authority in the Territory issues a request, directive or order that the Licensed Product be recalled or retrieved; (b) a court of competent jurisdiction in the Territory orders that the Licensed Product be recalled or retrieved; or (c) one Party reasonably determines, after reasonable, good faith discussion with the other Party to the extent that time allows, that the Licensed Product should be recalled or retrieved, then first Party shall promptly notify the other Party of such event. STA shall conduct such activity and take appropriate corrective actions, and PUMA shall provide such assistance to PUMA as is reasonably necessary to carry out such activities. All reasonable costs and expenses of such recall and corrective actions shall be borne entirely by STA, except that PUMA shall bear any such costs and expenses that arise out of PUMA's breach of this Supply

Agreement, to the extent that such breach by PUMA is not caused by STA's failure to perform its obligations under this Supply Agreement.

- 5.13 Technical and Quality Agreement. Within [***] of the Effective Date (or other period as agreed to by the Parties), the Parties will enter into an agreement that details the quality assurance obligations of each Party, the agreed-upon Manufacturing Standards for the Licensed Product and the agreed-upon measures to assure compliance with cGMPs regarding production, storage, transportation and release of the Licensed Product (the "**Technical and Quality Agreement**"). The Specifications shall be incorporated into the Technical and Quality Agreement. In the event of a conflict between the terms of the Technical and Quality Agreement and the terms of this Supply Agreement, the provisions of this Supply Agreement shall govern; provided, however, that the Technical and Quality Agreement shall govern in respect of quality issues.

ARTICLE 6 **SPECIAL ACCESS SCHEME**

- 6.1 Special Access Scheme. The Parties agree that STA shall have the right to supply, offer, and dispose of and provide access to SAS Supply to patients in Australia under and in accordance with the Special Access Scheme ("**SAS Disposition**") in accordance with an SAS program that will be agreed to by the Parties and will be set forth in Appendix 3. Each Party shall use good-faith efforts to finalize Appendix 3 within [***] after the Effective Date. STA shall bear the costs of administering the SAS program. STA shall have no right to use any Licensed Product, other than SAS Supply, in SAS Disposition activities. On the first Business Day of each [***] during the time period in which STA holds SAS Supply, STA shall submit to PUMA a written report setting forth the number of bottles of SAS Supply used in SAS Disposition activities during the previous [***], the gross sales of STA for such SAS Supply and the hospitals or other parties to which STA supplied such bottles, as well as such other key metrics regarding such SAS Disposition as may be requested by PUMA.

ARTICLE 7 **TERM AND TERMINATION**

- 7.1 This Supply Agreement shall commence on the Effective Date and shall remain in effect until the termination or expiration of the License Agreement (such period referred to as the "**Term**"). Termination provisions of the License Agreement shall be fully applicable to the termination of this Supply Agreement.

ARTICLE 8 **CONFIDENTIALITY AND NON-DISCLOSURE**

- 8.1 Each Party's obligations for confidentiality and non-disclosure shall be governed by the terms and conditions of Article 9 of the License Agreement.

ARTICLE 9 **REPRESENTATIONS AND WARRANTIES**

- 9.1 Mutual Representations and Warranties. Each Party represents and warrants the following:

- 9.1.1** Corporate Power. Such Party is duly organized and validly existing under the laws of the state or country of its organization and has full corporate power and authority to enter into this Supply Agreement and to carry out the provisions hereof.

9.1.2 Due Authorization. Such Party is duly authorized to execute and deliver this Supply Agreement and to perform its obligations hereunder. The person executing this Supply Agreement on such Party's behalf has been duly authorized to do so by all requisite corporate action.

9.1.3 Binding Agreement. This Supply Agreement is a legal and valid obligation binding upon such Party and enforceable in accordance with its terms. The execution, delivery, and performance of this Supply Agreement by such Party does not conflict with any agreement, instrument or understanding, oral or written, to which it is a Party or by which it may be bound, nor, to such Party's knowledge, does it violate any material Applicable Laws.

9.2 Disclaimer. EXCEPT AS EXPRESSLY PROVIDED IN SECTION 9.1, NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES AS TO ANY MATTER, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF APPLICABLE LAW, BY STATUTE OR OTHERWISE, AND EACH PARTY HEREBY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED OR STATUTORY WARRANTIES INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.

ARTICLE 10 **INDEMNITY , LIABILITY LIMITS , AND INSURANCE**

10.1 Indemnification. Each Party's obligation to indemnify, defend and hold harmless the other Party shall be governed by the terms and conditions of Article 11 of the License Agreement.

10.2 Exclusion of Damages. EXCEPT FOR (A) CASES OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF A PARTY, (B) A BREACH OF ARTICLE 8 (CONFIDENTIALITY), IN NO EVENT, EITHER DIRECTLY OR BY WAY OF INDEMNIFICATION, SHALL ANY PARTY BE LIABLE TO THE OTHER PARTY FOR ANY INCIDENTAL, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES, ARISING FROM OR RELATED TO BREACH OF THIS SUPPLY AGREEMENT.

10.3 Limitation of Liability. EXCEPT FOR (A) CASES OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF A PARTY, (B) A BREACH OF ARTICLE 8 (CONFIDENTIALITY), UNDER NO CIRCUMSTANCES SHALL THE TOTAL LIABILITY OF EITHER PARTY ARISING OUT OF OR RELATED TO THIS SUPPLY AGREEMENT, INCLUDING ANY WARRANTY CLAIMS, REGARDLESS OF THE FORUM AND REGARDLESS OF WHETHER ANY ACTION OR CLAIM IS BASED ON CONTRACT, TORT OR ANY OTHER LEGAL THEORY, EXCEED THE TOTAL AMOUNT PAID BY STA TO PUMA UNDER THIS SUPPLY AGREEMENT DURING THE [***] PRECEDING SUCH ACTION OR CLAIM (AS DETERMINED IN REFERENCE TO THE DATE OF FILING OF SUCH ACTION OR CLAIM).

10.4 Independence of Provisions. The Parties agree that Sections 10.2 and 10.3 are independent of any exclusive remedies for breach of warranty set forth in this Supply Agreement.

10.5 Insurance. Each Party's insurance obligations shall be governed by the terms and conditions of Section 11.4 of the License Agreement.

ARTICLE 11
IN TELLECTUAL PROPERTY

11.1 Each Party's rights to Information and Inventions, Joint Inventions, PUMA Inventions, and STA Inventions, as well as intellectual property rights covering such Information and Inventions, Joint Inventions, PUMA Inventions, and STA Inventions, will be governed by Article 7 of the License Agreement.

ARTICLE 12
MISCELLANEOUS

12.1 **Insurance.** Each Party shall maintain, during the Term, insurance, or self-insurance, coverage consistent with normal business practices in the pharmaceutical industry and adequate to cover the risks under this Supply Agreement in an amount and for a time period that are usual and customary for a pharmaceutical company of its size. This insurance, or self-insurance, coverage shall include but not be limited to comprehensive general liability coverage and product liability coverage. Each Party shall provide the other Party upon request with a certificate of such insurance. However, it is understood that the maintenance of such insurance, or self-insurance, coverage will not relieve either Party of its other obligations under this Supply Agreement.

12.2 **Notices.** Any notice, request, demand, waiver, consent, approval or other communication permitted or required under this Supply Agreement shall be in writing, shall refer specifically to this Supply Agreement and shall be deemed given only if delivered by hand or sent by facsimile transmission (with transmission confirmed) or by internationally recognized overnight delivery service that maintains records of delivery, addressed to the Parties at their respective addresses specified below or to such other address as the Party to whom notice is to be given may have provided to the other Party in accordance with this Section 12.2. Such notice shall be deemed to have been given as of the date delivered by hand or transmitted by facsimile (with transmission confirmed) or on the third Business Day (at the place of delivery) after deposit with an internationally recognized overnight delivery service. Any notice delivered by facsimile shall be confirmed by a hard copy delivered as soon as practicable thereafter. This Section 12.2 is not intended to govern the day-to-day business communications necessary between the Parties in performing their obligations under the terms of this Supply Agreement.

12.2.1 If to STA, to:

Specialised Therapeutics Asia Pte Ltd
50 Raffles Place #32-01, Singapore Land Tower, Singapore, 048623

Attention: [***]

Facsimile: [***]

12.2.2 If to PUMA, to:

PUMA Biotechnology, Inc.
10880 Wilshire Blvd, Suite 2150
Los Angeles, CA 90024, USA

Attention: [* **]

Facsimile: [***]

With copies to:

Latham & Watkins
650 Town Center Drive, 20th Floor
Costa Mesa CA 92626-1925, USA
Attention: [***]

Latham & Watkins
140 Scott Drive
Menlo Park, CA 94025-1008, USA
Attention: [***]

- 12.3 Record Retention. The Parties shall maintain all records required by the Manufacturing Standards and the Technical and Quality Agreement and all Applicable Laws. Any documents related to the quality and compliance of the manufacture of the Supply shall be kept in accordance with the provisions of the Technical and Quality Agreement in this respect.
- 12.4 Entire Agreement. It is the mutual desire and intent of the Parties to provide certainty as to their respective future rights and remedies against each other by defining the extent of their mutual undertakings as provided herein. The Parties have, in this Supply Agreement, Technical and Quality Agreement, and the License Agreement incorporated all representations, warranties, covenants, commitments and understandings on which they have relied in entering into this Supply Agreement, and, except as provided for herein, neither Party' makes any covenant or other commitment to the other concerning its future action. The Parties further agree that this Supply Agreement constitutes a discharge of the Parties obligations pursuant to the provisions of Section 5.1 of the License Agreement. Accordingly, the Supply Agreement, Technical and Quality Agreement, and the License Agreement constitute the entire agreement and understanding between the Parties with respect to the subject matter hereof and there are no promises, representations, conditions, provisions or terms related thereto other than those set forth in those agreements. All provisions of the License Agreement shall apply to this Supply Agreement.
- 12.5 Headings. The Sections' headings contained in this Supply Agreement are for reference purposes only and shall not affect in any way the meaning and interpretation of this Supply Agreement.
- 12.6 Severability. In the event that one or more provisions of this Supply Agreement is held invalid, illegal or unenforceable in any respect, then such provision shall not render any other provision of this Supply Agreement invalid or unenforceable, and all other provisions shall remain in full force and effect and shall be enforceable, unless the provisions that have been found to be invalid or unenforceable shall substantially affect the remaining rights or obligations granted or undertaken by either Party. The Parties agree to attempt to substitute for any invalid or unenforceable provision a provision which achieves to the greatest extent possible the economic objectives of the invalid or unenforceable provision.
- 12.7 Amendment. This Supply Agreement may not be changed, modified, amended or supplemented except by a written agreement signed by both Parties.
- 12.8 Counterparts. This Supply Agreement (and each amendment, modification and waiver in respect of it) may be executed in any number of counterparts, and each such counterpart shall be deemed to be an original instrument, but all such counterparts together shall constitute one instrument.
- 12.9 Expenses. Each Party shall pay all of its own fees and expenses (including all legal, accounting and other advisory fees) incurred in connection with the negotiation and execution of this Supply Agreement.

- 12.10 Cumulative Remedies. No remedy referred to in this Supply Agreement is intended to be exclusive, but each shall be cumulative and in addition to any other remedy referred to in this Supply Agreement or otherwise available under law.
- 12.11 Certain Conventions. Any reference in this Supply Agreement to an article, section, subsection, paragraph, clause, schedule, exhibit or annexure shall be deemed to be a reference to an article, section, subsection, paragraph, clause, schedule, exhibit or annexure, of or to, as the case may be, this Supply Agreement, unless otherwise indicated. Unless the context of this Supply Agreement otherwise requires, (a) words of any gender include each other gender, (b) words such as “herein”, “hereof”, and “hereunder” refer to this Supply Agreement as a whole and not merely to the particular provision in which such words appear, and (c) words using the singular shall include the plural, and vice versa.
- 12.12 Business Day Requirements. In the event that any notice or other action or omission is required to be taken by a Party under this Supply Agreement on a day that is not a Business Day, then such notice or other action or omission shall be deemed to be required to be taken on the next occurring Business Day.
- 12.13 Governing Law. This Supply Agreement shall be governed by and construed in accordance with the laws of the State of New York without referring to conflicts of law principles.
- 12.14 Further Assurance. Each Party shall duly execute and deliver, or cause to be duly executed and delivered, such further instruments and do and cause to be done such further acts and things, including the filing of such assignments, agreements, documents and instruments, as may be necessary or as the other Party may reasonably request in connection with this Supply Agreement or to carry out more effectively the provisions and purposes hereof, or to better assure and confirm unto such other Party its rights and remedies under this Supply Agreement.
- 12.15 Independent Party. It is expressly agreed that PUMA and STA shall be independent contractors and that the relationship between the two Parties shall not constitute a partnership, joint venture or agency. Neither PUMA nor STA shall have the authority to make any statements, representations or commitments of any kind, or to take any action, which shall be binding on the other Party, without the prior written consent of the other.
- 12.16 Waiver. The failure of either Party to enforce at any time any provision of this Supply Agreement, or any right with respect thereto, or to exercise any election herein provided, shall in no way be considered to be a waiver of such provision, right or election, or in any way affect the validity of this Supply Agreement. The exercise by any Party of any right or election under the terms or covenants herein shall not preclude or prejudice any Party from exercising the same or any other right it may have under this Supply Agreement, irrespective of any previous action or proceeding taken by the Parties hereunder.
- 12.17 Force Majeure. Neither Party shall be liable to the other Party nor be deemed to have defaulted under or breached this Supply Agreement for non-performance or delay in performance to the extent caused by or resulting from causes beyond the reasonable control of such Party, potentially including, without limitation, wars (whether declared or not), hostilities, acts of terrorism, revolutions, riots, civil disturbances, national emergencies, strikes, lockouts, unavailability of supplies, shortage of raw material or energy, computer viruses, epidemics, fires, floods, earthquakes, other forces of nature, explosions, embargoes, or any other Acts of God, or any laws, proclamations, regulations, ordinances, or other acts omissions or delays in acting by any court, government or governmental agency or government authority or the other Party. Any occurrence of force majeure shall be reported by the affected Party to the other Party as soon as reasonably

practicable, and the affected party shall promptly undertake all Commercially Reasonable Efforts necessary to cure such force majeure circumstances.

- 12.18 Assignment. This Supply Agreement is binding upon and will inure to the benefit of the Parties and their respective permitted assignees or successors in interest, including without limitation those that may succeed by assignment, transfer or otherwise to the ownership of either of the Parties or of the assets necessary to the conduct of the business to which this Supply Agreement relates. This Supply Agreement may not be assigned or otherwise transferred by either Party without the prior written consent of the other Party, which consent shall not be unreasonably withheld, delayed or conditioned; provided, however, that either Party may, without such consent, assign this Supply Agreement together with all of its rights and obligations hereunder to its Affiliates, or to a successor in interest in connection with the transfer or sale of all or substantially all of its business to which this Supply Agreement relates, or in the event of its merger or consolidation or similar transaction, subject to the assignee agreeing to be bound by the terms of this Supply Agreement. Any purported assignment in violation of the preceding sentences shall be void. Any permitted successor shall assume and be bound by all obligations of its assignor or predecessor under this Supply Agreement.
- 12.19 Dispute Resolution. The dispute resolution procedures as described in Section 13.9 of the License Agreement shall be fully applicable to this Supply Agreement.
- 12.20 Waiver of Rule of Construction. Each Party has had the opportunity to consult with counsel in connection with the review, drafting and negotiation of this Supply Agreement. Accordingly, the rule of construction that any ambiguity in this Supply Agreement shall be construed against the drafting Party shall not apply.
- 12.21 Export Control. This Supply Agreement is made subject to any restrictions concerning the export of products or technical information from the United States or other countries which may be imposed upon or related to PUMA or STA from time to time. Each Party agrees that it will not export, directly or indirectly, any technical information acquired from the other Party under this Supply Agreement or any products using such technical information to a location or in a manner that at the time of export requires an export license or other governmental approval, without first obtaining the written consent to do so from the appropriate agency or other governmental entity.
- 12.22 No Benefit to Third Parties. The representations, warranties, covenants and agreements set forth in this Supply Agreement are for the sole benefit of the Parties and their successors and permitted assigns, and they shall not be construed as conferring any rights on any other Persons.

[Remainder of page intentionally left blank; signature page follows]

THIS SUPPLY AGREEMENT IS EXECUTED by the authorized representatives of the Parties as of the date first written above.

UMA Biotechnology , Inc.

Specialised Therapeutics Asia Pte Ltd

By: /s/ Alan H. Auerbach

Name: Alan H. Auerbach

Title: Chief Executive Officer

By: /s/ Carlo Montagner

Name: Carlo Montagner

Title: Chief Executive Officer

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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Appendix 1

Payment Terms

Item 1: Percentage of Net Sales Price ¹

[***]

¹ Net Sales Price Payment is made in each Calendar Quarter as specified in Section 3.2.2

Item 2: Fully Burdened Cost as of the Effective Date

[***]

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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Appendix 2

Presentations

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*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Appendix 3

SAS Program

[***]

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[***] Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

Appendix 4

Puma Delivery Locations

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*** Certain information in this document has been omitted and filed separately with the Securities and Exchange Commission. Confidential treatment has been requested with respect to the omitted portions.

PUMA BIOTECHNOLOGY, INC.
NON-EMPLOYEE DIRECTOR COMPENSATION PROGRAM

(EFFECTIVE JUNE 12, 2018)

Non-employee members of the board of directors (the “Board”) of Puma Biotechnology, Inc. (the “Company”) shall be eligible to receive cash and equity compensation as set forth in this Non-Employee Director Compensation Program (this “Program”). The cash and equity compensation described in this Program shall be paid or be made, as applicable, automatically and without further action of the Board, to each member of the Board who is not an employee of the Company or any subsidiary of the Company (each, a “Non-Employee Director”) who may be eligible to receive such cash or equity compensation. This Program shall become effective as of the date set forth above.

Cash Compensation

Board Service

Annual Retainer: \$50,000

Committee Service

Audit Committee:

Chair Annual Retainer: \$20,000

Committee Member (Non-Chair)
Retainer: \$10,000

Compensation Committee:

Chair Annual Retainer: \$15,000

Committee Member (Non-Chair)
Retainer: \$7,500

Nominating and Corporate Governance

Committee:

Chair Annual Retainer: \$10,000

Committee Member (Non-Chair)
Retainer: \$5,000

Board Service and Committee Service Annual Retainers will be paid or granted (as applicable) quarterly at the beginning of the applicable calendar quarter. In the event that a Non-Employee Director is initially elected or appointed to serve on the Board (the date of any such initial election or appointment, such Non-Employee Director's "Start Date") on any date other than the first day of a calendar quarter, such Non-Employee Director shall receive, within 30 days following such Non-Employee Director's Start Date, a prorated portion of the Board Service

Annual Retainer and a prorated portion of each applicable Committee Service Annual Retainer, payable to such Non-Employee Director with respect to such quarter.

Equity Compensation

Non-Employee Directors shall be granted the equity awards described below. The awards described below shall be granted under and shall be subject to the terms and provisions of the Company's 2011 Incentive Award Plan, as may be amended from time to time (the "Plan"). Capitalized terms not otherwise defined below shall have the meanings ascribed to them in the Plan.

Initial Option Grant:

Each Non-Employee Director who is initially elected or appointed to serve on the Board is hereby granted an Option with a value of \$700,000 (the "Initial Grant").

The number of Shares subject to the Initial Grant will be determined by dividing the value by the Black-Scholes valuation as of the grant date using a trailing 30-calendar day average closing price for the Company's common stock through and including the applicable grant date.

The Initial Grant is hereby granted on the date on which such Non-Employee Director is initially elected or appointed to serve on the Board (the "Election Date"), and shall vest with respect to one-third (1/3rd) of the Shares subject thereto on the first anniversary of the applicable Election Date, and with respect to an additional 1/36th of the Shares subject thereto on each monthly anniversary thereafter, subject to continued service through the applicable vesting date. Each Initial Grant shall have an exercise price per Share equal to the Fair Market Value of a Share on the applicable Election Date.

Annual RSU Grant:

Each Non-Employee Director who is serving on the Board as of the date of any annual shareholder meeting on or after the effective date of this Program and will continue to serve as a Non-Employee Director immediately following such meeting, shall hereby be granted a Restricted Stock Unit award with a value of \$300,000 (the “Annual Grant”).

The number of Shares subject to the Annual Grant will be determined by dividing the value by the trailing 30-calendar day average closing price for the Company’s common stock through and including the applicable grant date.

Each Annual Grant will vest in full on the earlier of the one-year anniversary of the date of grant and the date of the annual shareholder meeting following the date of grant, subject to continued service.

Miscellaneous

Each Initial Grant shall be an Option and shall have a maximum term of ten years from the applicable date of grant. All applicable terms of the Plan apply to this Program as if fully set forth herein, and all grants of awards are hereby subject in all respect to the terms of the Plan. The grant of any award under this Program shall be made solely by and subject to the terms set forth in a written Award Agreement in a form approved by the Board and duly executed by an executive officer of the Company.

Non-Employee Director Award Limit

Notwithstanding any provision to the contrary in this Program, the sum of any cash compensation and the grant date fair value (determined as of the date of the grant under Financial Accounting Standards Board Accounting Standards Codification Topic 718, or any successor thereto) of all awards granted under this Program shall be subject to any limitations imposed under the Plan or any other applicable agreement, program, policy or plan.

Amendment, Modification and Termination

This Program may be amended, modified or terminated by the Board in the future at its sole discretion. No Non-Employee Director shall have any rights hereunder, except with respect to any awards actually granted pursuant to the Program.

**CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Alan H. Auerbach, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 9, 2018

/s/ Alan H. Auerbach

Alan H. Auerbach
Principal Executive Officer

**CERTIFICATION OF PRINCIPAL FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Charles R. Eyler, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 9, 2018

/s/ Charles R. Eyler

Charles R. Eyler

Principal Financial and Accounting Officer

CERTIFICATION
PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

The following certification is being furnished solely to accompany the Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018, pursuant to 18 U.S.C. § 1350 and in accordance with SEC Release No. 33-8238. This certification shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be incorporated by reference in any filing of Puma Biotechnology, Inc. under the Securities Act of 1933, as amended, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Certification of Principal Executive Officer

I, Alan H. Auerbach, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018, fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in such report fairly presents, in all material respects, the financial condition and results of operations of Puma Biotechnology, Inc.

Date: August 9, 2018

/s/ Alan H. Auerbach

Alan H. Auerbach
Principal Executive Officer

A signed original of this written statement required by Section 906 has been provided to Puma Biotechnology, Inc. and will be retained by Puma Biotechnology, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

CERTIFICATION
PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

The following certification is being furnished solely to accompany the Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018, pursuant to 18 U.S.C. § 1350 and in accordance with SEC Release No. 33-8238. This certification shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be incorporated by reference in any filing of Puma Biotechnology, Inc. under the Securities Act of 1933, as amended, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Certification of Principal Financial Officer

I, Charles R. Eyler, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report on Form 10-Q of Puma Biotechnology, Inc. for the quarter ended June 30, 2018, fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in such report fairly presents, in all material respects, the financial condition and results of operations of Puma Biotechnology, Inc.

Date: August 9, 2018

/s/ Charles R. Eyler

Charles R. Eyler

Principal Financial and Accounting Officer

A signed original of this written statement required by Section 906 has been provided to Puma Biotechnology, Inc. and will be retained by Puma Biotechnology, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.