
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 March 31, 2022

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: 001-34058

CAPRICOR THERAPEUTICS, INC.
(Exact Name Of Registrant As Specified In Its Charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

88-0363465
(I.R.S. Employer Identification No.)

10865 Road to the Cure, Suite 150, San Diego, California 92121
(Address of principal executive offices including zip code)

(310) 358-3200
(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 every Interactive Data File required to be submitted 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 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 type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" 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

Securities registered pursuant to Section 12(b) of the Act:

Title of Each Class	Trading Symbol(s)	Name of Each Exchange on Which Registered
Common Stock, par value \$0.001 per share	CAPR	The Nasdaq Capital Market

As of May 10, 2022, there were 24,324,156 shares of the registrant's common stock, par value \$0.001 per share, issued and outstanding.

INDEX TO QUARTERLY REPORT ON FORM 10-Q

	<u>PAGES</u>
<u>PART I. FINANCIAL INFORMATION</u>	
<u>Item 1. Financial Statements</u>	5
<u>Condensed Consolidated Balance Sheets at March 31, 2022 (unaudited) and December 31, 2021</u>	5
<u>Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited)</u>	6
<u>Condensed Consolidated Statements of Stockholders' Equity (unaudited)</u>	7
<u>Condensed Consolidated Statements of Cash Flows (unaudited)</u>	8
<u>Notes to Condensed Consolidated Financial Statements (unaudited)</u>	9
<u>Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	27
<u>Item 3. Quantitative and Qualitative Disclosures about Market Risk</u>	37
<u>Item 4. Controls and Procedures</u>	37
<u>PART II. OTHER INFORMATION</u>	
<u>Item 1. Legal Proceedings</u>	38
<u>Item 1A. Risk Factors</u>	38
<u>Item 2. Unregistered Sales of Equity Securities and Use of Proceeds</u>	38
<u>Item 3. Defaults Upon Senior Securities</u>	38
<u>Item 4. Mine Safety Disclosures</u>	38
<u>Item 5. Other Information</u>	38
<u>Item 6. Exhibits</u>	39
<u>Signatures</u>	40

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which statements involve substantial risks and uncertainties. Forward-looking statements generally relate to future events or our future financial or operating performance. In some cases, you can identify forward-looking statements because they contain words such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “could,” “intends,” “target,” “projects,” “contemplates,” “believes,” “estimates,” “predicts,” “potential” or “continue” or the negative of these words or other similar terms or expressions that concern our expectations, strategy, plans or intentions. Forward-looking statements contained in this Quarterly Report on Form 10-Q include, but are not limited to, statements about:

- how long we expect to maintain liquidity to fund our planned level of operations and our ability to obtain additional funds for our operations;
- the development of our drug and vaccine candidates, including when we expect to undertake, initiate and complete clinical trials of our drug and vaccine candidates;
- the expectation, plans, projections, initiation, timing, progress and results of our research and development programs, preclinical studies, any clinical trials, compassionate uses, Investigational New Drug (“IND”) filings, Clinical Trial Application (“CTA”) filings, New Drug Application (“NDA”) filings, and other regulatory submissions;
- regulatory developments involving products, including the ability to obtain regulatory approvals or otherwise bring products to market;
- the regulatory status of our drug and vaccine candidates, including our ability to obtain and maintain orphan drug, rare pediatric and Regenerative Medicine Advanced Therapy (“RMAT”) designations for our lead product candidate, CAP-1002;
- our use of clinical research centers, third party manufacturers and other contractors;
- our ability to find collaborative partners for research, development and commercialization of potential products and retain commercial rights for our product candidates in the collaborations;
- our ability to manufacture products for clinical and commercial use;
- our ability to procure materials necessary for the manufacture of our product candidates;
- our ability to protect our patents and other intellectual property;
- the potential impact of COVID-19 on our business, including our ability to conduct clinical trials and further product candidate development;
- our ability to raise additional financing and the terms of any additional financing;
- our ability to market any of our products;
- the implementation of our business model and strategic plans for our business, technologies and product candidates;
- our estimates of our expenses, ongoing losses, future revenue and capital requirements;
- the impact of taxes on our business;
- our ability to compete against other companies and research institutions;
- our ability to expand our operations internationally;
- the effect of potential strategic transactions on our business;
- acceptance of our products by doctors, patients or payors and the availability of reimbursement for our product candidates;
- our ability to attract and retain key personnel; and
- the volatility of our stock price.

We caution you that the forward-looking statements highlighted above do not encompass all of the forward-looking statements made in this Quarterly Report on Form 10-Q.

You should not rely upon forward-looking statements as predictions of future events. We have based the forward-looking statements contained in this Quarterly Report on Form 10-Q primarily on our current expectations and projections about future events and trends that we believe may affect our business, financial condition, results of operations and prospects. The outcome of the events described in these forward-looking statements is subject to risks, uncertainties and

other factors. Moreover, we operate in a very competitive and challenging environment. New risks and uncertainties emerge from time to time, and it is not possible for us to predict all risks and uncertainties that could have an impact on the forward-looking statements contained in this Quarterly Report on Form 10-Q. We cannot assure you that the results, events and circumstances reflected in the forward-looking statements will be achieved or occur, and actual results, events or circumstances could differ materially from those described in the forward-looking statements. Additionally, final data may differ significantly from preliminary data reported in this document.

The forward-looking statements made in this Quarterly Report on Form 10-Q relate only to events as of the date on which the statements are made. We undertake no obligation to update any forward-looking statements made in this Quarterly Report on Form 10-Q to reflect events or circumstances after the date of this Quarterly Report on Form 10-Q or to reflect new information or the occurrence of unanticipated events, except as required by law. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements and you should not place undue reliance on our forward-looking statements. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures or investments we may make, if any.

This Quarterly Report on Form 10-Q also contains data, estimates and forecasts that are based on independent industry publications or other publicly available information, as well as other information based on our internal sources. Although we believe that the third-party sources referred to in this Quarterly Report on Form 10-Q are reliable, we have not independently verified the information provided by these third parties. While we are not aware of any misstatements regarding any third-party information presented in this report, their estimates, in particular, as they relate to projections, involve numerous assumptions, are subject to risks and uncertainties, and are subject to change based on various factors.

PART I — FINANCIAL INFORMATION**Item 1. Financial Statements.****CAPRICOR THERAPEUTICS, INC.
CONDENSED CONSOLIDATED BALANCE SHEETS**

ASSETS	<u>March 31, 2022</u> (Unaudited)	<u>December 31, 2021</u>
CURRENT ASSETS		
Cash and cash equivalents	\$ 58,333,945	\$ 34,885,274
Receivables	356,997	391,750
Prepaid expenses and other current assets	943,246	1,159,937
TOTAL CURRENT ASSETS	59,634,188	36,436,961
PROPERTY AND EQUIPMENT, net	2,328,565	1,795,696
OTHER ASSETS		
Lease right-of-use assets, net	2,683,443	2,821,944
Other assets	275,722	275,722
TOTAL ASSETS	\$ 64,921,918	\$ 41,330,323
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES		
Accounts payable and accrued expenses	\$ 3,523,574	\$ 3,116,371
Accounts payable and accrued expenses, related party	574,848	599,388
Lease liabilities, current	498,374	417,632
Deferred revenue, current	9,726,501	—
TOTAL CURRENT LIABILITIES	14,323,297	4,133,391
LONG-TERM LIABILITIES		
CIRM liability	3,376,259	3,376,259
Lease liabilities, net of current	2,306,197	2,452,707
Deferred revenue, net of current	20,273,499	—
TOTAL LONG-TERM LIABILITIES	25,955,955	5,828,966
TOTAL LIABILITIES	40,279,252	9,962,357
COMMITMENTS AND CONTINGENCIES (NOTE 7)		
STOCKHOLDERS' EQUITY		
Preferred stock, \$0.001 par value, 5,000,000 shares authorized, none issued and outstanding	—	—
Common stock, \$0.001 par value, 50,000,000 shares authorized, 24,324,156 and 24,185,001 shares issued and outstanding, respectively	24,324	24,185
Additional paid-in capital	140,496,715	139,404,060
Accumulated deficit	(115,878,373)	(108,060,279)
TOTAL STOCKHOLDERS' EQUITY	24,642,666	31,367,966
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	\$ 64,921,918	\$ 41,330,323

See accompanying notes to the unaudited condensed consolidated financial statements.

CAPRICOR THERAPEUTICS, INC.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(UNAUDITED)

	<u>Three months ended March 31,</u>	
	<u>2022</u>	<u>2021</u>
REVENUE		
Revenue	\$ —	\$ 40,816
TOTAL REVENUE	<u>—</u>	<u>40,816</u>
OPERATING EXPENSES		
Research and development	5,115,699	3,296,322
General and administrative	2,715,835	1,905,582
TOTAL OPERATING EXPENSES	<u>7,831,534</u>	<u>5,201,904</u>
LOSS FROM OPERATIONS	(7,831,534)	(5,161,088)
OTHER INCOME (EXPENSE)		
Investment income	13,440	9,165
TOTAL OTHER INCOME (EXPENSE)	<u>13,440</u>	<u>9,165</u>
NET LOSS	<u>\$ (7,818,094)</u>	<u>\$ (5,151,923)</u>
Net loss per share, basic and diluted	<u>\$ (0.32)</u>	<u>\$ (0.23)</u>
Weighted average number of shares, basic and diluted	<u>24,282,743</u>	<u>22,228,723</u>

See accompanying notes to the unaudited condensed consolidated financial statements.

CAPRICOR THERAPEUTICS, INC.
CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY
(UNAUDITED)

	For the Three Months Ended March 31, 2022				
	COMMON STOCK		ADDITIONAL PAID- IN CAPITAL	ACCUMULATED DEFICIT	TOTAL STOCKHOLDERS' EQUITY
	SHARES	AMOUNT			
Balance at December 31, 2021	24,185,001	\$ 24,185	\$ 139,404,060	\$ (108,060,279)	\$ 31,367,966
Stock-based compensation	—	—	1,065,329	—	1,065,329
Stock options exercised	139,155	139	27,326	—	27,465
Net loss	—	—	—	(7,818,094)	(7,818,094)
Balance at March 31, 2022	<u>24,324,156</u>	<u>\$ 24,324</u>	<u>\$ 140,496,715</u>	<u>\$ (115,878,373)</u>	<u>\$ 24,642,666</u>
	For the Three Months Ended March 31, 2021				
	COMMON STOCK		ADDITIONAL PAID- IN CAPITAL	ACCUMULATED DEFICIT	TOTAL STOCKHOLDERS' EQUITY
	SHARES	AMOUNT			
Balance at December 31, 2020	20,577,123	\$ 20,577	\$ 116,216,966	\$ (88,037,759)	\$ 28,199,784
Issuance of common stock, net of fees	2,218,874	2,219	12,576,307	—	12,578,526
Stock-based compensation	—	—	752,962	—	752,962
Stock options exercised	1,933	2	1,434	—	1,436
Net loss	—	—	—	(5,151,923)	(5,151,923)
Balance at March 31, 2021	<u>22,797,930</u>	<u>\$ 22,798</u>	<u>\$ 129,547,669</u>	<u>\$ (93,189,682)</u>	<u>\$ 36,380,785</u>

See accompanying notes to the unaudited condensed consolidated financial statements.

CAPRICOR THERAPEUTICS, INC.
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(UNAUDITED)

	Three months ended March 31,	
	2022	2021
Cash flows from operating activities:		
Net loss	\$ (7,818,094)	\$ (5,151,923)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	92,490	50,137
Stock-based compensation	1,065,329	752,962
Non-cash lease expense	158,086	—
Change in assets - (increase) decrease:		
Receivables	34,753	—
Prepaid expenses and other current assets	216,691	274,851
Change in liabilities - increase (decrease):		
Accounts payable and accrued expenses	407,203	432,241
Accounts payable and accrued expenses, related party	(24,540)	312,362
Operating lease liabilities	(85,352)	—
Deferred revenue	30,000,000	—
Net cash provided by (used in) operating activities	<u>24,046,566</u>	<u>(3,329,370)</u>
Cash flows from investing activities:		
Purchases of property and equipment	(567,616)	(36,912)
Payments for leasehold improvements	(57,744)	—
Net cash used in investing activities	<u>(625,360)</u>	<u>(36,912)</u>
Cash flows from financing activities:		
Net proceeds from sale of common stock	—	12,578,526
Proceeds from exercise of stock awards	27,465	1,436
Net cash provided by financing activities	<u>27,465</u>	<u>12,579,962</u>
Net increase in cash and cash equivalents	23,448,671	9,213,680
Cash and cash equivalents balance at beginning of period	<u>34,885,274</u>	<u>32,665,874</u>
Cash and cash equivalents balance at end of period	<u>\$ 58,333,945</u>	<u>\$ 41,879,554</u>
Supplemental disclosures of cash flow information:		
Interest paid in cash	\$ —	\$ —
Income taxes paid in cash	\$ —	\$ —

See accompanying notes to the unaudited condensed consolidated financial statements.

CAPRICOR THERAPEUTICS, INC.
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(UNAUDITED)

1. ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Description of Business

Capricor Therapeutics, Inc., a Delaware corporation (referred to herein as “Capricor Therapeutics” or the “Company” or “we”), is a clinical-stage biotechnology company focused on the development of transformative cell and exosome-based therapeutics for treating Duchenne muscular dystrophy (“DMD”), a rare form of muscular dystrophy which results in muscle degeneration and premature death, and other diseases with high unmet medical needs. Capricor, Inc. (“Capricor”), a wholly-owned subsidiary of Capricor Therapeutics, was founded in 2005 as a Delaware corporation based on the innovative work of its founder, Eduardo Marbán, M.D., Ph.D. After completion of a merger between Capricor and a subsidiary of Nile Therapeutics, Inc., a Delaware corporation (“Nile”), on November 20, 2013, Capricor became a wholly-owned subsidiary of Nile and Nile formally changed its name to Capricor Therapeutics, Inc. Capricor Therapeutics, together with its subsidiary, Capricor, has multiple drug and vaccine candidates in various stages of development.

Basis of Presentation

The accompanying unaudited interim condensed consolidated financial statements for Capricor Therapeutics and its wholly-owned subsidiary have been prepared in accordance with generally accepted accounting principles in the United States of America (“U.S. GAAP”) and with the instructions to Form 10-Q and, therefore, do not include all disclosures necessary for a complete presentation of financial position, results of operations and cash flows in conformity with U.S. GAAP. In the Company’s opinion, all adjustments, consisting of normal and recurring adjustments, considered necessary for a fair presentation have been included. The accompanying financial information should be read in conjunction with the financial statements and the notes thereto in the Company’s most recent Annual Report on Form 10-K, as filed with the Securities and Exchange Commission (the “SEC”) on March 11, 2022, from which the December 31, 2021 consolidated balance sheet has been derived. Interim results are not necessarily indicative of the results that may be expected for the year ending December 31, 2022.

Certain reclassification of prior period amounts has been made to conform to the current year presentation.

Basis of Consolidation

Our condensed consolidated financial statements include the accounts of the Company and our wholly-owned subsidiary. All intercompany transactions have been eliminated in consolidation.

Liquidity

The Company has historically financed its research and development activities as well as operational expenses primarily from equity financings, government grants, and payments from collaboration partners.

Cash and cash equivalents as of March 31, 2022 were approximately \$58.3 million, compared to approximately \$34.9 million as of December 31, 2021. The Company received an upfront payment of \$30.0 million from Nippon Shinyaku Co., Ltd., a Japanese corporation, (“Nippon Shinyaku”), in accordance with its Exclusive Commercialization and Distribution Agreement (see Note 8 – “License and Distribution Agreements”). Additionally, the Company has a Common Stock Sales Agreement in place with H.C. Wainwright & Co. LLC (“Wainwright”) to create at-the-market equity programs under which the Company, from time to time, sells shares of its common stock (see Note 3 - “Stockholders’ Equity”).

The Company’s principal uses of cash are for research and development expenses, general and administrative expenses, capital expenditures and other working capital requirements.

The Company's future expenditures and capital requirements may be substantial and will depend on many factors, including, but not limited to, the following:

- the timing and costs associated with its research and development activities, clinical trials and preclinical studies;
- the timing and costs associated with the manufacturing of its product candidates;
- the timing and costs associated with commercialization of its product candidates;
- the number and scope of its research programs; and
- the costs involved in prosecuting and enforcing patent claims and other intellectual property rights.

The Company's options for raising additional capital include potentially seeking additional financing primarily from, but not limited to, the sale and issuance of equity or debt securities, the licensing or sale of its technology and other assets, potential partnering opportunities, and from government grants.

The Company will require substantial additional capital to fund its operations, in particular if it elects to expand its clinical programs as contemplated by its current business plan. The Company cannot provide assurances that financing will be available when and as needed or that, if available, financing will be available on favorable or acceptable terms. If the Company is unable to obtain additional financing when and if required, it would have a material adverse effect on the Company's business and results of operations. The Company would likely need to delay, curtail or terminate portions of its clinical trial programs. To the extent the Company issues additional equity securities, its existing stockholders would experience substantial dilution.

Business Uncertainty Related to the Coronavirus

The COVID-19 pandemic has presented a substantial public health and economic challenge around the world. Our business operations and financial condition and results have been impacted to varying degrees, and we expect the impact will continue in future quarters.

We are continuing to assess and plan our development for the ongoing and potential impact of the COVID-19 pandemic on our business, operations and financial condition and results. Despite careful tracking and planning, however, we are unable to accurately predict the extent of the impact of the pandemic on our business, results of operations and financial condition due to the uncertainty of future developments involving the pandemic and its impact on our employees and operations. The full extent to which the COVID-19 pandemic will directly or indirectly impact our business, results of operations and financial condition will depend on future developments that are highly uncertain and cannot be accurately predicted, including new information that may emerge concerning COVID-19, the actions taken to contain it or treat its impact and the economic impact on local, regional, national and international markets.

In addition, there may be risks to the Company's ability to obtain financing from other sources due to the impact of the coronavirus. There could be other financial impacts on our business due to the coronavirus, the specifics of which are unknown at this time.

In light of uncertainties due to COVID-19 and its economic and other impacts and to uncertainties around the timing and availability of grant disbursements, the loss of revenue from the delays of the REGRESS and ALPHA trials as well as any potential equity and debt financings, the Company submitted for the Employee Retention Credit ("ERC"), a credit against certain payroll taxes allowed to an eligible employer for qualifying wages, was established by the CARES Act. The Company recorded \$548,207 in ERC as other income for the year ended December 31, 2021, of which \$356,997 is recorded as a receivable as of March 31, 2022 and December 31, 2021. The Company may submit for additional credits under the CARES Act in the future, as applicable.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the condensed consolidated financial statements. Estimates also affect the reported amounts of revenues and

expenses during the reporting period. The most sensitive estimates relate to the assumptions used to estimate stock-based compensation expense. Management uses its historical records and knowledge of its business in making these estimates. Accordingly, actual results may differ from these estimates.

Cash and Cash Equivalents

The Company considers all highly liquid investments with a maturity of less than 30 days at the date of purchase to be cash equivalents.

Property and Equipment

Property and equipment are stated at cost. Repairs and maintenance costs are expensed in the period incurred. Depreciation is computed using the straight-line method over the related estimated useful life of the asset, which such estimated useful lives range from five to seven years. Leasehold improvements are depreciated on a straight-line basis over the shorter of the useful life of the asset or the lease term. Depreciation was \$92,490 and \$49,054 for the three months ended March 31, 2022 and 2021, respectively.

Property and equipment, net consisted of the following:

	March 31, 2022	December 31, 2021
Furniture and fixtures	\$ 104,069	\$ 43,123
Laboratory equipment	2,963,575	2,475,543
Leasehold improvements	91,486	33,742
	3,159,130	2,552,408
Less accumulated depreciation	(830,565)	(756,712)
Property and equipment, net	<u>\$ 2,328,565</u>	<u>\$ 1,795,696</u>

Leases

ASC Topic 842, “Leases” (“ASC 842”), as adopted in the first quarter of 2019, requires lessees to recognize most leases on the balance sheet with a corresponding right-to-use asset (“ROU asset”). ROU assets represent the Company’s right to use an underlying asset for the lease term and lease liabilities represent the Company’s obligation to make lease payments arising from the lease. The assets and lease liabilities are recognized at the lease commencement date based on the estimated present value of fixed lease payments over the lease term. ROU assets are evaluated for impairment using the long-lived assets impairment guidance.

Leases will be classified as financing or operating, which will drive the expense recognition pattern. The Company elects to exclude short-term leases if and when the Company has them.

The Company leases office and laboratory space, all of which are operating leases (see Note 7 - “Commitments and Contingencies”). Most leases include the option to renew and the exercise of the renewal options is at the Company’s sole discretion. Options to renew a lease are not included in the Company’s assessment unless there is reasonable certainty that the Company will renew. In addition, the Company’s lease agreements generally do not contain any residual value guarantees or restrictive covenants.

The interest rate implicit in lease contracts is typically not readily determinable. As a result, the Company utilizes its incremental borrowing rate, which reflects the fixed rate at which the Company could borrow on a collateralized basis the amount of the lease payments in the same currency, for a similar term, in a similar economic environment.

For real estate leases, the Company has elected the practical expedient under ASC 842 to account for the lease and non-lease components together for existing classes of underlying assets and allocates the contract consideration to the lease component only. This practical expedient is not elected for manufacturing facilities and equipment embedded in product supply arrangements.

Revenue Recognition

The company applies ASU 606, *Revenue from Contracts with Customers*, for all contracts.

Clinical Development Income

Income is recorded over time as the Company satisfies distinct performance obligations outlined in the contracts with the customer or partner. The transaction price of the income includes the upfront payment. Additional payments due upon achievement of milestones and targets as defined in the contract (see Note 8 – “License and Distribution Agreements”), may increase the transaction price to be recognized.

Grant Income

Generally, government research grants that provide funding for research and development activities are recognized as income when the related expenses are incurred, as applicable. Because the terms of the grant award (the “CIRM Award”) from the California Institute for Regenerative Medicine (“CIRM”) allow Capricor to elect to convert the grant into a loan after the end of the project period, the CIRM Award is being classified as a liability rather than income (see Note 6 - “Government Grant Awards”). Grant income is due upon submission of a reimbursement request. The transaction price varies for grant income based on the expenses incurred under the awards.

Miscellaneous Income

Revenue is recognized in connection with the delivery of doses which were developed as part of our past research and development (“R&D”) efforts. Income is recorded when the Company has satisfied the obligations as identified in the contracts with the customer (see Note 9 – “Related Party Transactions”). Miscellaneous income is due upon billing. Miscellaneous income is based on contracts with fixed transaction prices.

Research and Development

Costs relating to the design and development of new products are expensed as research and development as incurred in accordance with Financial Accounting Standards Board (“FASB”) ASC 730-10, *Research and Development*. Research and development costs amounted to approximately \$5.1 million and \$3.3 million for the three months ended March 31, 2022 and 2021, respectively.

Net Income (Loss)

Net income (loss) generally represents all changes in stockholders’ equity during the period except those resulting from investments by, or distributions to, stockholders. The Company’s net loss was approximately \$7.8 million and \$5.2 million for the three months ended March 31, 2022 and 2021, respectively.

Clinical Trial Expense

As part of the process of preparing our condensed consolidated financial statements, we are required to estimate our accrued expenses. Our clinical trial accrual process is designed to account for expenses resulting from our obligations under contracts with vendors, consultants, contract research organizations (“CROs”), and clinical site agreements in connection with conducting clinical trials. The financial terms of these contracts are subject to negotiations, which vary from contract to contract and may result in payment flows that do not match the periods over which materials or services are provided to us under such contracts. Our objective is to reflect the appropriate clinical trial expenses in our consolidated financial statements by matching the appropriate expenses with the period in which services are provided and efforts are expended. We account for these expenses according to the progress of the trial as measured by patient progression and the timing of various aspects of the trial. We determine accrual estimates through financial models that take into account discussions with applicable personnel and outside service providers as to the progress or state of completion of trials, or the services completed. During the course of a clinical trial, we adjust our clinical expense recognition if actual results differ from our estimates. We make estimates of our accrued expenses as of each balance sheet date in our consolidated

financial statements based on the facts and circumstances known to us at that time. Our clinical trial accrual and prepaid assets are dependent, in part, upon the receipt of timely and accurate reporting from CROs and other third-party vendors. Although we do not expect our estimates to be materially different from amounts actually incurred, our understanding of the status and timing of services performed relative to the actual status and timing of services performed may vary and may result in us reporting amounts that are too high or too low for any particular period.

Stock-Based Compensation

The Company accounts for stock-based employee compensation arrangements in accordance with guidance issued by the FASB, which requires the measurement and recognition of compensation expense for all share-based payment awards made to employees, consultants, and directors based on estimated fair values.

The Company estimates the fair value of stock-based compensation awards on the date of grant using an option-pricing model. The value of the portion of the award that is ultimately expected to vest is recognized as an expense over the requisite service periods in the Company's statements of operations and comprehensive loss. The Company estimates the fair value of stock-based compensation awards using the Black-Scholes model. This model requires the Company to estimate the expected volatility and value of its common stock and the expected term of the stock options, all of which are highly complex and subjective variables. The variables take into consideration, among other things, actual and projected stock option exercise behavior. For employees and directors, the expected life was calculated based on the simplified method as described by the SEC Staff Accounting Bulletin No. 110, Share-Based Payment. For other service providers, the expected life was calculated using the contractual term of the award. The Company's estimate of expected volatility was based on the historical stock price of the Company. The Company has selected a risk-free rate based on the implied yield available on U.S. Treasury securities with a maturity equivalent to the expected term of the options.

Basic and Diluted Loss per Share

The Company reports earnings per share in accordance with FASB ASC 260-10, *Earnings per Share*. Basic earnings (loss) per share is computed by dividing income (loss) available to common stockholders by the weighted-average number of shares of common stock outstanding during the period. Diluted earnings (loss) per share is computed similarly to basic earnings (loss) per share except that the denominator is increased to include the number of additional shares of common stock that would have been outstanding if the potential shares of common stock had been issued and if the additional shares of common stock were dilutive.

As of March 31, 2022 and 2021, warrants and options to purchase 5,674,191 and 3,793,237 shares of common stock, respectively, have been excluded from the computation of potentially dilutive securities. Potentially dilutive common shares, which primarily consist of stock options issued to employees, consultants, and directors as well as warrants issued, have been excluded from the diluted loss per share calculation because their effect is anti-dilutive. Because the impact of these items is anti-dilutive during periods of net loss, there was no difference between basic and diluted loss per share for the three months ended March 31, 2022 and 2021.

Fair Value Measurements

Assets and liabilities recorded at fair value in the balance sheet are categorized based upon the level of judgment associated with the inputs used to measure their fair value. The categories are as follows:

<u>Level Input:</u>	<u>Input Definition:</u>
Level I	Inputs are unadjusted, quoted prices for identical assets or liabilities in active markets at the measurement date.
Level II	Inputs, other than quoted prices included in Level I, that are observable for the asset or liability through corroboration with market data at the measurement date.
Level III	Unobservable inputs that reflect management's best estimate of what market participants would use in pricing the asset or liability at the measurement date.

Carrying amounts reported in the balance sheet of cash and cash equivalents, accounts payable and accrued expenses approximate fair value due to their relatively short maturity. The carrying amounts of the Company's marketable securities are based on market quotations from national exchanges at the balance sheet date. Interest and dividend income are recognized separately on the income statement based on classifications provided by the brokerage firm holding the investments. The fair value of borrowings is not considered to be significantly different from its carrying amount because the stated rates for such debt reflect current market rates and conditions.

Recent Accounting Pronouncements

In November 2021, the FASB issued ASU 2021-10, *Government Assistance (Topic 832)*, which requires business entities to disclose information about transactions with a government entity that are accounted for by applying a grant or contribution model by analogy. For transactions within scope, the new standard requires the disclosure of information about the nature of the transaction, including significant terms and conditions, as well as the amounts and specific financial statement line items affected by the transaction. The new guidance is effective for annual reporting periods beginning after December 15, 2021. The Company adopted ASU 2021-10 in the first quarter of 2022. The adoption of this update did not have a material impact on the Company's financial statements and footnote disclosures.

Other recent accounting pronouncements issued by the FASB, including its Emerging Issues Task Force, the American Institute of Certified Public Accountants, and the SEC, did not or are not believed by management to have a material impact on the Company's present or future consolidated financial statement presentation or disclosures.

2. NOTE PAYABLE

Paycheck Protection Program Loan

In the second quarter of 2020, Capricor applied to City National Bank ("CNB") under the SBA Paycheck Protection Program of the CARES Act for the Loan in the amount of \$318,160. The Loan was approved and Capricor received the Loan proceeds, which were used for covered payroll costs in accordance with the relevant terms and conditions of the CARES Act.

The Loan, which took the form of a promissory note issued by Capricor (the "Promissory Note"), had a two-year term, was set to mature on April 29, 2022, and was to bear interest at a rate of 1.0% per annum. Monthly principal and interest payments, less the amount of any potential forgiveness, were to commence 10 months after the end of the covered period for the borrower's loan forgiveness (either 8 or 24 weeks). Loan payments were to be deferred for borrowers who apply for loan forgiveness until SBA remits the borrower's loan forgiveness amount to the lender. Capricor did not provide any collateral or guarantees for the Loan, nor did Capricor pay any facility charge to obtain the Loan. The Promissory Note provided for customary events of default, including, among others, those relating to failure to make payment, bankruptcy, breaches of representations and material adverse events. Capricor had the right to prepay the principal of the Loan at any time without incurring any prepayment charges.

The Company submitted a loan forgiveness application to CNB in the first quarter of 2021. The Company was notified in April 2021 by the SBA that the Loan was forgiven. The Company recognized a gain on forgiveness in the second quarter of 2021.

3. STOCKHOLDER'S EQUITY

ATM Programs and Other Offerings

The Company has established multiple “at-the-market” (“ATM”), programs pursuant to a Common Stock Sales Agreement with Wainwright by which Wainwright sold and may continue to sell our common stock at the market prices prevailing at the time of sale. Wainwright is entitled to compensation for its services at a commission rate of 3.0% of the gross sales price per share of common stock sold plus reimbursement of certain expenses. These programs are referred to below as the “May 2020 ATM Program” and the “June 2021 ATM Program” based on when each program was initiated.

May 2020 ATM Program

On May 4, 2020, the Company initiated the May 2020 ATM Program. The Company filed the May 2020 ATM with an aggregate offering price of up to \$40.0 million. From May 4, 2020 through June 21, 2021, the Company sold an aggregate of 6,027,852 shares of common stock under the May 2020 ATM Program at an average price of approximately \$6.15 per share for gross proceeds of approximately \$37.1 million. The Company paid cash commissions on the gross proceeds, plus reimbursement of expenses to Wainwright, as well as legal and accounting fees in the aggregate amount of approximately \$1.2 million. As of June 21, 2021, the May 2020 ATM Program expired and was replaced with the June 2021 ATM Program described below.

June 2021 ATM Program

On June 21, 2021, the Company initiated the June 2021 ATM Program. The Company filed the June 2021 ATM Program with an aggregate offering price of up to \$75.0 million. From June 21, 2021 through September 30, 2021, the Company sold an aggregate of 1,267,475 shares of common stock under the June 2021 ATM Program at an average price of approximately \$5.89 per share for gross proceeds of approximately \$7.5 million. The Company paid cash commissions on the gross proceeds, plus reimbursement of expenses to Wainwright, as well as legal and accounting fees in the aggregate amount of approximately \$0.3 million. No shares were sold in the fourth quarter of 2021 or the first quarter of 2022 under the June 2021 ATM Program.

Outstanding Shares

At March 31, 2022, the Company had 24,324,156 shares of common stock issued and outstanding.

4. STOCK AWARDS, WARRANTS AND OPTIONS

Warrants

The following table summarizes all warrant activity for the three months ended March 31, 2022:

	<u>Warrants</u>	<u>Weighted Average Exercise Price</u>
Outstanding at December 31, 2021	<u>105,782</u>	<u>\$ 1.37</u>
Granted	—	—
Exercised	—	—
Outstanding at March 31, 2022	<u>105,782</u>	<u>\$ 1.37</u>

The following table summarizes all outstanding warrants to purchase shares of the Company's common stock:

Type	Grant Date	Warrants Outstanding		Exercise Price per Share	Expiration Date
		March 31, 2022	December 31, 2021		
Common Warrants	12/19/2019	40,782	40,782	\$ 1.10	12/19/2024
Common Warrants	3/27/2020	65,000	65,000	\$ 1.5313	3/27/2025
		105,782	105,782		

Stock Options

The Company's Board of Directors (the "Board") has approved five stock option plans: (i) the 2006 Stock Option Plan, (ii) the 2012 Restated Equity Incentive Plan (which superseded the 2006 Stock Option Plan) (the "2012 Plan"), (iii) the 2012 Non-Employee Director Stock Option Plan (the "2012 Non-Employee Director Plan"), (iv) the 2020 Equity Incentive Plan (the "2020 Plan"), and (v) the 2021 Equity Incentive Plan (the "2021 Plan").

In September 2012, the Board approved the 2012 Non-Employee Director Plan, which authorized 269,731 shares of common stock, reserved for issuance of non-qualified options to members of the Board who are not employees of the Company.

In November 2012, the Board approved the 2012 Plan, which superseded the 2006 Stock Option Plan. Under the 2012 Plan, the Company may grant stock options, stock appreciation rights, restricted stock awards, and performance/unit share awards to employees, consultants and other service providers. Pursuant to the 2012 Plan, inclusive of annual evergreen provisions and amendments, the Company is authorized to issue 710,142 shares of common stock.

In June 2020, the Company's stockholders approved the 2020 Equity Incentive Plan (the "2020 Plan"), which authorized 2,500,000 shares of common stock to be issued and allows for the grant of stock options as well as other forms of equity-based compensation. Pursuant to the "evergreen" provision, on January 1, 2021, 823,084 shares were added under the 2020 Plan. Upon approval of the 2021 Plan on June 11, 2021, no new shares have been or will be added to the share reserve under the 2020 Plan pursuant to its "evergreen" provisions.

In June 2021, the Company's stockholders approved the 2021 Plan, which authorized 3,500,000 shares of common stock reserved under the 2021 Plan for the issuance of stock awards. The number of shares available for issuance under the 2021 Plan shall be automatically increased on January 1 of each year, commencing with January 1, 2022, by an amount equal to 5% of the outstanding shares of Common Stock as of the last day of the immediately preceding fiscal year. On January 1, 2022, 1,209,250 shares were added under the 2021 Plan.

As of March 31, 2022, 3,080,031 options remain available for issuance under the respective stock option plans.

Each of the Company's stock option plans are administered by the Board, or the compensation committee of the Board, which determines the recipients and types of awards to be granted, as well as the number of shares subject to the awards, the exercise price and the vesting schedule. Each stock option granted will be designated in the award agreement as either an incentive stock option or a nonstatutory stock option. Notwithstanding such designation, however, to the extent that the aggregate fair market value of the shares with respect to which incentive stock options are exercisable for the first time by the participant during any calendar year (under all plans of the Company and any parent or subsidiary) exceeds \$100,000, such options will be treated as nonstatutory stock options. Stock options are granted with an exercise price equal to the closing price of the Company's common stock on the date of grant, and generally vest over a period of one to four years. The term of stock options granted under each of the plans cannot exceed ten years.

The estimated weighted average fair value of the options granted during the three months ended March 31, 2022 and 2021 were approximately \$2.87 and \$3.26 per share, respectively.

The Company estimates the fair value of each option award using the Black-Scholes option-pricing model. The Company used the following assumptions to estimate the fair value of stock options issued in the three months ended March 31, 2022 and 2021:

	<u>March 31, 2022</u>	<u>March 31, 2021</u>
Expected volatility	123 %	124 %
Expected term	6 years	6 years
Dividend yield	0 %	0 %
Risk-free interest rates	1.5 - 1.7 %	0.5 %

Employee and non-employee stock-based compensation expense was as follows:

	<u>Three months ended March 31,</u>	
	<u>2022</u>	<u>2021</u>
General and administrative	\$ 857,583	\$ 633,120
Research and development	207,746	119,842
Total	<u>\$ 1,065,329</u>	<u>\$ 752,962</u>

The Company does not recognize an income tax benefit as the Company believes that an actual income tax benefit may not be realized. For non-qualified stock options, the loss creates a timing difference, resulting in a deferred tax asset, which is fully reserved by a valuation allowance.

Common stock, stock options or other equity instruments issued to non-employees (including consultants) as consideration for goods or services received by the Company are accounted for based on the fair value of the equity instruments issued. The fair value of stock options is determined using the Black-Scholes option-pricing model. The Company calculates the fair value for non-qualified options as of the date of grant and expenses over the applicable vesting periods. We account for forfeitures upon occurrence.

As of March 31, 2022, the total unrecognized fair value compensation cost related to non-vested stock options was approximately \$12.4 million, which is expected to be recognized over a weighted average period of approximately 1.6 years.

The following is a schedule summarizing employee and non-employee stock option activity for the three months ended March 31, 2022:

	<u>Number of Options</u>	<u>Weighted Average Exercise Price</u>	<u>Aggregate Intrinsic Value</u>
Outstanding at December 31, 2021	3,793,824	\$ 2.68	\$ 3,104,631
Granted	2,044,370	3.28	
Exercised	(224,316)	1.39	\$ 431,485
Expired/Cancelled	(45,469)	4.19	
Outstanding at March 31, 2022	5,568,409	\$ 2.94	\$ 4,157,717
Exercisable at March 31, 2022	1,653,835	\$ 2.21	\$ 2,321,841

The aggregate intrinsic value represents the difference between the exercise price of the options and the estimated fair value of the Company's common stock for each of the respective periods.

5. CONCENTRATIONS

Cash Concentration

The Company has historically maintained checking accounts at two financial institutions. These accounts are each insured by the Federal Deposit Insurance Corporation for up to \$250,000. Historically, the Company has not

experienced any significant losses in such accounts and believes it is not exposed to any significant credit risk on cash, cash equivalents and marketable securities. As of March 31, 2022, the Company maintained approximately \$57.9 million of uninsured deposits.

6. GOVERNMENT GRANT AWARDS

CIRM Grant Award (HOPE)

On June 16, 2016, Capricor entered into the CIRM Award with CIRM in the amount of approximately \$4 million to fund, in part, Capricor's Phase I/II HOPE-Duchenne clinical trial investigating CAP-1002 for the treatment of Duchenne muscular dystrophy-associated cardiomyopathy. Pursuant to terms of the CIRM Award, the disbursements were tied to the achievement of specified operational milestones. In addition, the terms of the CIRM Award included a co-funding requirement pursuant to which Capricor was required to spend approximately \$2.3 million of its own capital to fund the CIRM funded research project. The CIRM Award is further subject to the conditions and requirements set forth in the CIRM Grants Administration Policy for Clinical Stage Projects. Such requirements include, without limitation, the filing of quarterly and annual reports with CIRM, the sharing of intellectual property pursuant to Title 17, California Code of Regulations (CCR) Sections 100600-100612, and the sharing with the State of California of a fraction of licensing revenue received from a CIRM funded research project and net commercial revenue from a commercialized product which resulted from the CIRM funded research as set forth in Title 17, CCR Section 100608. The maximum royalty on net commercial revenue that Capricor may be required to pay to CIRM is equal to nine times the total amount awarded and paid to Capricor.

After completing the CIRM funded research project and at any time after the award period end date (but no later than the ten-year anniversary of the date of the award), Capricor has the right to convert the CIRM Award into a loan, the terms of which will be determined based on various factors, including the stage of the research and development of the program at the time the election is made. On June 20, 2016, Capricor entered into a Loan Election Agreement with CIRM whereby, among other things, CIRM and Capricor agreed that if Capricor elects to convert the grant into a loan, the term of the loan could be up to five years from the date of execution of the applicable loan agreement; provided that the maturity date of the loan will not surpass the ten-year anniversary of the grant date of the CIRM Award. Beginning on the date of the loan, the loan shall bear interest on the unpaid principal balance, plus the interest that has accrued prior to the election point according to the terms set forth in CIRM's Loan Policy (the "New Loan Balance"), at a per annum rate equal to the LIBOR rate for a three-month deposit in U.S. dollars, as published by the Wall Street Journal on the loan date, plus one percent. Interest shall be compounded annually on the outstanding New Loan Balance commencing with the loan date and the interest shall be payable, together with the New Loan Balance, upon the due date of the loan. If Capricor elects to convert the CIRM Award into a loan, certain requirements of the CIRM Award will no longer be applicable, including the revenue sharing requirements. Capricor has not yet made its decision as to whether it will elect to convert the CIRM Award into a loan. If we elect to do so, Capricor would be required to repay some or all of the amounts awarded by CIRM; therefore, the Company accounts for this award as a liability rather than income.

In June 2019, Capricor completed all milestones associated with the CIRM Award and expended all funds received. In the third quarter of 2019, Capricor completed all final close-out documentation associated with this award. As of March 31, 2022, Capricor's liability balance for the CIRM Award was approximately \$3.4 million.

7. COMMITMENTS AND CONTINGENCIES

Short-Term Operating Leases

Capricor leases space for its corporate offices from The Bubble Real Estate Company, LLC ("Bubble Real Estate") pursuant to a lease that was originally effective for a two-year period beginning July 1, 2013 with an option to extend the lease for an additional twelve months. Capricor subsequently entered into several amendments extending the term of the lease and modifying its terms. Effective January 1, 2021, we entered into a month-to-month lease amendment with the Bubble Real Estate. The monthly lease payment was \$13,073. In November 2021, Capricor entered into an amendment to the lease pursuant to which the square footage of the premises was reduced with a monthly lease payment

of \$5,548 per month commencing November 1, 2021. The lease is terminable by either party upon 90 days' written notice to the other party.

Capricor leases facilities from Cedars-Sinai Medical Center ("CSMC"), a related party (see Note 9 – "Related Party Transactions"), pursuant to a lease (the "Facilities Lease") that was originally effective for a three-year period beginning June 1, 2014. Capricor has subsequently entered into several amendments extending the term of the lease and modifying its terms. In July 2020, Capricor exercised its option to extend the term of the Facilities Lease for an additional 12-month period through July 31, 2021 with a monthly lease payment of \$15,805. In July 2021, Capricor exercised its option to extend the term of the Facilities Lease for an additional 12-month period through July 31, 2022 with a monthly lease payment of \$10,707. At this time, we are discussing with CSMC a possible two-year extension of our current Facilities Lease.

Expenses incurred under short-term operating leases to unrelated parties for the three months ended March 31, 2022 and 2021 were \$17,394 and \$39,219, respectively. Expenses incurred under short-term operating leases to related parties for the three months ended March 31, 2022 and 2021 were \$32,120 and \$47,415, respectively.

Long-Term Operating Leases

On July 16, 2021, the Company entered into a lease agreement with Altman Investment Co, LLC ("Altman") for 9,396 square feet of office and laboratory space located at 10865 Road to the Cure, Suite 150, in San Diego, California. Under the terms of the lease, the base rent will be approximately \$0.6 million per year, which rent is subject to a 3.0% annual rent increase during the initial lease term, plus certain operating expenses and taxes. This lease term commenced on October 1, 2021 and will expire on October 15, 2026. The lease contains an option for Capricor to renew for an additional term of five years. The Company estimates the aggregate ROU asset and liability to be approximately \$2.7 million relating to this lease as of the commencement date of October 1, 2021.

Effective November 1, 2021, the Company entered into a vivarium agreement with Explora BioLabs, Inc. ("Explora") for vivarium space and services. Under the terms of the agreement, the base rent will be \$4,021 per month for an exclusive large vivarium room. The lease term is for one-year and will automatically renew for additional successive one-year renewal terms unless either party provides the other party with 60-day written notice prior to the end of the then-current term. For ASC 842 purposes, we applied a lease term of five years.

The long-term real estate operating leases are included in "lease right-of-use assets, net" on the Company's condensed consolidated balance sheet and represent the Company's right-to-use the underlying assets for the lease term. The Company's obligation to make lease payments are included in "lease liabilities, current" and "lease liabilities, net of current" on the Company's condensed consolidated balance sheet.

The table below excludes short-term operating leases. The following table summarizes maturities of lease liabilities and the reconciliation of lease liabilities as of March 31, 2022:

2022	\$	407,029
2023		656,678
2024		674,931
2025		693,732
2026		562,627
Total minimum lease payments		2,994,997
Less: imputed interest		(190,426)
Total operating lease liabilities	\$	2,804,571
Included in the condensed consolidated balance sheet:		
Current portion of lease liabilities	\$	498,374
Lease liabilities, net of current		2,306,197
Total operating lease liabilities	\$	2,804,571
Other Information:		
Weighted average remaining lease term		4.54 years
Weighted average discount rate		2.75%

Long-term operating lease costs recognized under ASC 842 for the three months ended March 31, 2022 were \$158,084 and zero, respectively. Long-term operating lease payments for the three months ended March 31, 2022 were \$85,352 and zero, respectively.

Legal Contingencies

The Company is not a party to any material legal proceedings at this time. From time to time, the Company may become involved in various legal proceedings that arise in the ordinary course of its business or otherwise.

Accounts Payable

During the normal course of business, disputes with vendors may arise. If a vendor disputed payment is probable and able to be estimated, we will record an estimated liability.

Other Funding Commitments

The Company is a party to various agreements, principally relating to licensed technology, that require future payments relating to milestones that may be met in subsequent periods or royalties on future sales of specific products (see Note 8 – “License and Distribution Agreements”).

Additionally, the Company is a party to various agreements with contract research and/or manufacturing organizations that generally provide for termination upon notice, with the exact amounts owed in the event of termination to be based on the timing of termination and the terms of the agreement.

Employee Severances

The Board of Directors approved severance packages for specific full-time employees based on their length of service and position ranging up to six months of their base salaries, in the event of termination of their employment, subject to certain conditions. No liability has been recorded as of March 31, 2022.

8. LICENSE AND DISTRIBUTION AGREEMENTS

Intellectual Property Rights for Capricor's Technology - CAP 1002 and Exosomes

Capricor has entered into exclusive license agreements for intellectual property rights related to certain cardiac-derived cells with Università Degli Studi Di Roma La Sapienza (the "University of Rome"), Johns Hopkins University ("JHU") and CSMC. Capricor has also entered into an exclusive license agreement for intellectual property rights related to exosomes with CSMC and JHU as well as a non-exclusive license agreement with JHU related to the imaging-based serology technology for COVID-19. In addition, Capricor has filed patent applications related to the technology developed by its own scientists.

University of Rome License Agreement

Capricor and the University of Rome entered into a License Agreement, dated June 21, 2006 (the "Rome License Agreement"), which provides for the grant of an exclusive, world-wide, royalty-bearing license by the University of Rome to Capricor (with the right to sublicense) to develop and commercialize licensed products under the licensed patent rights in all fields. Capricor has a right of first negotiation, for a certain period of time, to obtain a license to any new and separate patent applications owned by the University of Rome utilizing cardiac stem cells in cardiac care.

Pursuant to the Rome License Agreement, Capricor paid the University of Rome a license issue fee, is currently paying minimum annual royalties in the amount of 20,000 Euros per year, and is obligated to pay a lower-end of a mid-range double-digit percentage on all royalties received as a result of sublicenses granted, which are net of any royalties paid to third parties under a license agreement from such third party to Capricor. The minimum annual royalties are creditable against future royalty payments.

The Rome License Agreement will, unless extended or sooner terminated, remain in effect until the later of the last claim of any patent or until any patent application comprising licensed patent rights has expired or been abandoned. Under the terms of the Rome License Agreement, either party may terminate the agreement should the other party become insolvent or file a petition in bankruptcy. Either party may terminate the agreement upon the other party's material breach, provided that the breaching party will have up to 90 days to cure its material breach. Capricor may also terminate for any reason upon 90 days' written notice to the University of Rome.

The Johns Hopkins University License Agreements

License Agreement for CDCs

Capricor and JHU entered into an Exclusive License Agreement, effective June 22, 2006 (the "JHU License Agreement"), which provides for the grant of an exclusive, world-wide, royalty-bearing license by JHU to Capricor (with the right to sublicense) to develop and commercialize licensed products and licensed services under the licensed patent rights in all fields and a nonexclusive right to the know-how. In May 2009, the JHU License Agreement was amended to add additional patent rights to the JHU License Agreement in consideration of a payment to JHU and reimbursement of patent costs. Capricor and JHU executed a Second Amendment to the JHU License Agreement, effective as of December 20, 2013, pursuant to which, among other things, certain definitions were added or amended, the timing of certain obligations was revised and other obligations of the parties were clarified. Under the JHU License Agreement, Capricor is required to exercise commercially reasonable and diligent efforts to develop and commercialize licensed products covered by the licenses from JHU.

Pursuant to the JHU License Agreement, JHU was paid an initial license fee and, thereafter, Capricor is required to pay minimum annual royalties on the anniversary dates of the JHU License Agreement. The minimum annual royalties are creditable against a low single-digit running royalty on net sales of products and net service revenues, which Capricor is also required to pay under the JHU License Agreement, which running royalty may be subject to further reduction in the event that Capricor is required to pay royalties on any patent rights to third parties in order to make or sell a licensed product. In addition, Capricor is required to pay a low double-digit percentage of the consideration received by it from sublicenses granted and is required to pay JHU certain defined development milestone payments upon the successful completion of certain phases of its clinical studies and upon receiving approval from the U.S. Food and Drug Administration (the "FDA"). The development milestones range from \$100,000 upon successful completion of a full Phase I clinical study to \$1,000,000 upon full FDA market approval and are fully creditable against payments owed by Capricor to JHU on account of sublicense consideration attributable to milestone payments received from a sublicensee. The maximum aggregate amount of milestone payments payable under the JHU License Agreement, as amended, is \$1,850,000. In May 2015, Capricor paid the development milestone related to the Phase I study that was owed to JHU pursuant to the terms of the JHU License Agreement. In March 2022, Capricor paid the \$250,000 development milestone related to the Phase 2 study pursuant to the terms of the JHU License Agreement. The next milestone is triggered upon successful completion of a full Phase 3 study for which a payment of \$500,000 will be due.

The JHU License Agreement will, unless sooner terminated, continue in effect in each applicable country until the date of expiration of the last to expire patent within the patent rights, or, if no patents are issued, then for twenty years from the effective date. Under the terms of the JHU License Agreement, either party may terminate the agreement should the other party become insolvent or file a petition in bankruptcy, or fail to cure a material breach within 30 days after notice. In addition, Capricor may terminate for any reason upon 60 days' written notice.

License Agreement for Serology Diagnostic

Capricor and JHU entered into a Nonexclusive License Agreement (the "JHU Serology License Agreement"), effective January 6, 2021, which provides for the grant of a non-exclusive, world-wide, non-royalty-bearing license by JHU to Capricor to develop and commercialize licensed products under the licensed patent rights for COVID-19. The JHU Serology License Agreement is due to expire July 2022 and at this time, Capricor does not intend to convert it to an exclusive license or extend the JHU Serology License Agreement.

License Agreement for Exosome-based Vaccines and Therapeutics

Capricor and JHU entered into an Exclusive License Agreement (the "JHU Exosome License Agreement") effective April 28, 2021 for its co-owned interest in certain intellectual property rights related to exosome-mRNA vaccines and therapeutics. The JHU Exosome License Agreement provides for the grant of an exclusive, world-wide, royalty-bearing license of JHU's co-owned rights by JHU to Capricor, with the right to sublicense, in order to conduct research using the patent rights and know-how and to develop and commercialize products in the field using the patent rights and know-how.

Pursuant to the JHU Exosome License Agreement, JHU was paid an upfront license fee of \$0,000 and Capricor has agreed to reimburse JHU for certain fees and costs incurred in connection with the prosecution of certain patent rights.

Additionally, Capricor is required to meet certain development milestones for which a milestone payment fee shall be due and is obligated to pay low single-digit royalties on sales of royalty-bearing products as well as a double-digit percentage of any non-royalty consideration received from any sublicenses, subject to certain exclusions. The above-mentioned royalties are subject to reduction in the event Capricor becomes obligated to pay royalties on one or more third party patents as a requirement to make or sell a licensed product. In addition, Capricor will, beginning with the third year of the JHU Exosome License Agreement, be obligated to pay JHU a minimum annual royalty which is non-refundable but will be credited against royalties incurred by Capricor for the year in which the minimum annual royalty becomes due.

The JHU Exosome License Agreement will, unless sooner terminated, continue in each country until the date of expiration of the last to expire patent included within the patent rights in that country, or if no patents issue, then for 20 years. The JHU Exosome License Agreement may be terminated by Capricor upon 90 days' written notice in its discretion and with 60 days' notice with respect to any particular patent or application or as to any particular licensed product. The JHU Exosome License Agreement may also be terminated by either party if it fails to perform or otherwise breaches any of its obligations and fails to cure such breach within a 60-day cure period commencing upon notice. A material breach by Capricor may include (a) a delinquency with respect to payment or reporting; (b) the failure by Capricor to timely achieve a specified milestone or otherwise failing to diligently develop, commercialize, and sell licensed products throughout the term of the JHU Exosome License Agreement; (c) non-compliance with record keeping or audit obligations; (d) voluntary bankruptcy or insolvency of Capricor; and (e) non-compliance with Capricor's insurance obligations.

Cedars-Sinai Medical Center License Agreements

License Agreement for CDCs

On January 4, 2010, Capricor entered into an Exclusive License Agreement with CSMC (the "Original CSMC License Agreement"), for certain intellectual property related to its CDC technology. In 2013, the Original CSMC License Agreement was amended twice resulting in, among other things, a reduction in the percentage of sublicense fees which would have been payable to CSMC. Effective December 30, 2013, Capricor entered into an Amended and Restated Exclusive License Agreement with CSMC (the "Amended CSMC License Agreement"), which amended, restated, and superseded the Original CSMC License Agreement, pursuant to which, among other things, certain definitions were added or amended, the timing of certain obligations was revised and other obligations of the parties were clarified.

The Amended CSMC License Agreement provides for the grant of an exclusive, world-wide, royalty-bearing license by CSMC to Capricor (with the right to sublicense) to conduct research using the patent rights and know-how and develop and commercialize products in the field using the patent rights and know-how. In addition, Capricor has the exclusive right to negotiate for an exclusive license to any future rights arising from related work conducted by or under the direction of Dr. Eduardo Marbán on behalf of CSMC. In the event the parties fail to agree upon the terms of an exclusive license for any future rights, Capricor will have a non-exclusive license to such future rights, subject to royalty obligations.

Pursuant to the Original CSMC License Agreement, CSMC was paid a license fee and Capricor was obligated to reimburse CSMC for certain fees and costs incurred in connection with the prosecution of certain patent rights. Additionally, Capricor is required to meet certain spending and development milestones.

Pursuant to the Amended CSMC License Agreement, Capricor remains obligated to pay low single-digit royalties on sales of royalty-bearing products as well as a low double-digit percentage of the consideration received from any sublicenses or other grant of rights. The above-mentioned royalties are subject to reduction in the event Capricor becomes obligated to obtain a license from a third party for patent rights in connection with the royalty-bearing product. In 2010, Capricor discontinued its research under some of the patents.

The Amended CSMC License Agreement will, unless sooner terminated, continue in effect on a country by country basis until the last to expire of the patents covering the patent rights or future patent rights. Under the terms of the Amended CSMC License Agreement, unless waived by CSMC, the agreement shall automatically terminate: (i) if Capricor ceases, dissolves or winds up its business operations; (ii) in the event of the insolvency or bankruptcy of Capricor or if Capricor makes an assignment for the benefit of its creditors; (iii) if performance by either party jeopardizes the licensure, accreditation or tax exempt status of CSMC or the agreement is deemed illegal by a governmental body; (iv) within 30 days for non-payment of royalties; (v) after 90 days' notice from CSMC if Capricor fails to undertake commercially reasonable efforts to exploit the patent rights or future patent rights; (vi) if a material breach has not been cured within 90 days; or (vii) if Capricor challenges any of the CSMC patent rights. If Capricor fails to undertake commercially reasonable efforts to exploit the patent rights or future patent rights, and fails to cure that breach after 90 days' notice from CSMC, instead of terminating the license, CSMC has the option to convert any exclusive license to Capricor to a non-exclusive or co-exclusive license. Capricor may terminate the agreement if CSMC fails to cure any material breach within 90 days after notice.

On March 20, 2015, August 5, 2016, December 26, 2017, June 20, 2018, and July 27, 2021, Capricor and CSMC entered into a number of amendments to the Amended CSMC License Agreement, pursuant to which the parties agreed to add and delete certain patent applications from the list of scheduled patents, among other things. Capricor reimbursed CSMC for certain attorneys' fees and filing fees incurred in connection with the additional patent applications.

License Agreement for Exosomes

On May 5, 2014, Capricor entered into an Exclusive License Agreement with CSMC (the "Exosomes License Agreement"), for certain intellectual property rights related to exosomes technology. The Exosomes License Agreement provides for the grant of an exclusive, world-wide, royalty-bearing license by CSMC to Capricor (with the right to sublicense) in order to conduct research using the patent rights and know-how and to develop and commercialize products in the field using the patent rights and know-how. In addition, Capricor has the exclusive right to negotiate for an exclusive license to any future rights arising from related work conducted by or under the direction of Dr. Eduardo Marbán on behalf of CSMC. In the event the parties fail to agree upon the terms of an exclusive license, Capricor shall have a non-exclusive license to such future rights, subject to royalty obligations.

Pursuant to the Exosomes License Agreement, CSMC was paid a license fee and Capricor reimbursed CSMC for certain fees and costs incurred in connection with the preparation and prosecution of certain patent applications. Additionally, Capricor is required to meet certain non-monetary development milestones and is obligated to pay low single-digit royalties on sales of royalty-bearing products as well as a single-digit percentage of the consideration received from any sublicenses or other grant of rights. The above-mentioned royalties are subject to reduction in the event Capricor becomes obligated to obtain a license from a third party for patent rights in connection with the royalty bearing product.

The Exosomes License Agreement will, unless sooner terminated, continue in effect on a country by country basis until the last to expire of the patents covering the patent rights or future patent rights. Under the terms of the Exosomes License Agreement, unless waived by CSMC, the agreement shall automatically terminate: (i) if Capricor ceases, dissolves or winds up its business operations; (ii) in the event of the insolvency or bankruptcy of Capricor or if Capricor makes an assignment for the benefit of its creditors; (iii) if performance by either party jeopardizes the licensure, accreditation or tax exempt status of CSMC or the agreement is deemed illegal by a governmental body; (iv) within 30 days for non-payment of royalties; (v) after 90 days if Capricor fails to undertake commercially reasonable efforts to exploit the patent rights or future patent rights; (vi) if a material breach has not been cured within 90 days; or (vii) if Capricor challenges any of the CSMC patent rights. If Capricor fails to undertake commercially reasonable efforts to exploit the patent rights or future patent rights and fails to cure that breach after 90 days' notice from CSMC, instead of terminating the license, CSMC has the option to convert any exclusive license to Capricor to a non-exclusive or co-exclusive license. Capricor may terminate the agreement if CSMC fails to cure any material breach within 90 days after notice.

On February 27, 2015, June 10, 2015, August 5, 2016, December 26, 2017, June 20, 2018, September 25, 2018, August 19, 2020, August 28, 2020, and March 19, 2021, Capricor and CSMC entered into a number of amendments to the Exosomes License Agreement. Collectively, these amendments added additional patent applications and patent families to the Exosomes License Agreement, added certain defined product development milestone payments, modified certain milestone deadlines, and added certain performance milestones with respect to product candidates covered by certain future patent rights in order to maintain an exclusive license to those future patent rights; failure to meet those milestones would cause CSMC to have the right to convert the license from exclusive to non-exclusive or co-exclusive, or to terminate the license, subject to Capricor's right to license such patent rights for internal research purposes on a non-exclusive basis. These amendments also obligated Capricor to reimburse CSMC for certain attorneys' fees and filing fees in connection with the additional patent applications and patent families.

Sponsored Research Agreement with Johns Hopkins University

On April 1, 2020 we entered into a Sponsored Research Agreement (the "SRA"), with JHU pursuant to which researchers in the lab of Dr. Stephen Gould have been performing certain research activities in connection with our exosomes program. Pursuant to the SRA, we funded certain research activities and have the right to negotiate for exclusive

or non-exclusive rights to intellectual property that may result from such research activities. This SRA expired in accordance with its terms on March 31, 2022.

Cell Line License Agreement with Life Technologies

On March 7, 2022, Capricor entered into a non-exclusive cell line license agreement with Life Technologies Corporation, a subsidiary of Thermo Fisher Scientific, Inc., for the supply of certain cells which we will use to support the development of our exosomes platform. An initial license fee payment was made in the first quarter of 2022 and additional milestone fees may become due on the progress of our development program.

Commercialization and Distribution Agreement

On January 24, 2022, Capricor entered into an Exclusive Commercialization and Distribution Agreement (the “NS Distribution Agreement”) with Nippon Shinyaku. Under the terms of the NS Distribution Agreement, Capricor appointed Nippon Shinyaku as its exclusive distributor in the United States for CAP-1002, the Company’s lead product candidate, for the treatment of DMD.

Under the terms of the NS Distribution Agreement, Capricor will be responsible for the conduct of the HOPE-3 trial as well as the manufacturing of CAP-1002. Nippon Shinyaku will be responsible for the distribution of CAP-1002 in the United States. Pursuant to the NS Distribution Agreement, Capricor has the obligation to sell commercial product to Nippon Shinyaku, subject to regulatory approval, and in addition will have the right to receive a meaningful, double-digit share of product revenue and additional development and sales-based milestone payments, if achieved. In the first quarter of 2022, Capricor received an upfront payment of \$30.0 million. Pursuant to the terms of the NS Distribution Agreement, there are potential additional sales and development milestone payments of up to \$705.0 million.

The Company has evaluated the NS Distribution Agreement in accordance with ASU 606, *Revenue from Contracts with Customers*. At the inception, the Company identified one distinct performance obligation. The Company determined that the performance obligation is the conduct of the HOPE-3, Phase 3 clinical study. The NS Distribution Agreement contains additional future product development milestones.

The Company determined the initial transaction price to be recognized totaled \$0.0 million, which is the upfront payment. The Company has excluded any future milestone payments from the transaction price due to uncertainty. The Company has allocated the total \$30.0 million initial transaction price to its one distinct performance obligation, the completion of the HOPE-3, Phase 3 clinical study. Revenue will be recognized using a proportional performance method in relation to the completion of the HOPE-3 clinical study to determine the extent of progress towards completion. Under this method, the transaction price is recognized over the contract’s entire performance period using patient visit status relative to total estimate amount of patient visits. No revenue has been recognized as of March 31, 2022 as no patient visits have been completed. As of March 31, 2022, the Company recorded approximately \$9.7 million as current deferred revenue and approximately \$20.3 million as deferred revenue, net of current portion on the Company’s Condensed Consolidated Balance Sheets. The Company plans to begin recognizing this revenue beginning in the second quarter of 2022.

9. RELATED PARTY TRANSACTIONS

Lease and Sub-Lease Agreement

As noted above, Capricor is a party to lease agreements with CSMC (see Note 7 – “Commitments and Contingencies”), and CSMC has served as an investigative site in Capricor’s clinical trials. Additionally, Dr. Eduardo Marbán, who is a stockholder of Capricor Therapeutics and has participated from time to time as an observer at the Company’s meetings of the Board of Directors, is the Director of the Cedars-Sinai Smidt Heart Institute, and co-founder of Capricor.

Consulting Agreements

In 2013, Capricor entered into a Consulting Agreement with Dr. Frank Litvack, the Company's Executive Chairman and a member of its Board of Directors, whereby Capricor agreed to pay Dr. Litvack \$10,000 per month for consulting services. The agreement is terminable upon 30 days' notice.

In July 2020, Capricor entered into an Advisory Services Agreement with Dr. Eduardo Marbán whereby he was granted an option to purchase 50,000 shares of the Company's common stock. Additionally, in January 2022, Dr. Eduardo Marbán was granted an additional option grant to purchase 50,000 shares of the Company's common stock.

Payables to Related Party

As of March 31, 2022 and December 31, 2021, the Company had accounts payable and accrued expenses to related parties totaling \$574,848 and \$599,388, respectively. CSMC accounts for \$574,848 and \$589,388 of the total accounts payable and accrued expense to related parties as of March 31, 2022 and December 31, 2021, respectively. CSMC expenses relate to research and development costs, clinical trial costs, license and patent fees, and facilities rent. During the three months ended March 31, 2022 and 2021, the Company paid CSMC approximately \$66,600 and \$57,700, respectively, for such costs.

Related Party Clinical Trials

Capricor provided CAP-1002 for investigational purposes in two clinical trials sponsored by CSMC. This product was developed as part of the Company's past research and development efforts. The first trial is known as "Regression of Fibrosis and Reversal of Diastolic Dysfunction in HFpEF Patients Treated with Allogeneic CDCs," or REGRESS. Dr. Eduardo Marbán is the named principal investigator under the study. The second trial is known as "Pulmonary Arterial Hypertension treated with Cardiosphere-derived Allogeneic Stem Cells," or ALPHA. In both studies, Capricor provided the necessary number of doses of cells and received a total of approximately \$1.7 million of monetary compensation. For the three months ended March 31, 2021, the Company recognized approximately \$0,800 as revenue. No revenue was recognized in 2022 as the Company received all funds in connection with these trials in 2021.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

The following discussion of our financial condition and results of operations should be read in conjunction with the condensed consolidated financial statements and the condensed consolidated notes to those statements included elsewhere in this Quarterly Report on Form 10-Q. This discussion includes forward-looking statements that involve risks and uncertainties. As a result of many factors, our actual results may differ materially from those anticipated in these forward-looking statements.

As used in this Quarterly Report on Form 10-Q, references to "Capricor Therapeutics," the "Company," "we," "us," "our" or similar terms include Capricor Therapeutics, Inc. and its wholly-owned subsidiary. References to "Capricor" are with respect to Capricor, Inc., our wholly-owned subsidiary.

Company Overview

Capricor Therapeutics, Inc. is a clinical-stage biotechnology company focused on the development of transformative cell and exosome-based therapeutics for treating Duchenne muscular dystrophy, or DMD, a rare form of muscular dystrophy which results in muscle degeneration and premature death, and other diseases with high unmet medical needs.

Since our inception, we have devoted substantial resources to developing CAP-1002 and our other product candidates including our exosomes platform, developing our manufacturing processes, staffing our company and providing general and administrative support for these operations. We do not have any products approved for sale. Our ability to eventually generate any product revenue sufficient to achieve profitability will depend on the successful development, approval and eventual commercialization of CAP-1002 for the treatment of DMD and our other product candidates. If successfully developed and approved, we intend to commercialize CAP-1002 in the United States with our partner, Nippon Shinyaku, and may enter into additional licensing agreements or strategic collaborations in other markets. If we generate product sales or enter into licensing agreements or strategic collaborations, or further distribution relationships, we expect that any revenue we generate will fluctuate from quarter-to-quarter and year-to-year as a result of the timing and amount of any product sales, license fees, milestone payments and other payments. If we fail to complete the development of our product candidates in a timely manner, our ability to generate future revenue, and our results of operations and financial position, would be materially adversely affected.

A summary description of our key product candidates, is as follows:

- **CAP-1002 for the treatment of DMD (Phase 3):** Our core cell therapy technology, CAP-1002, is comprised of allogeneic cardiosphere-derived cells, or CDCs. The ability of CAP-1002 to slow disease progression in DMD lies in the immunomodulatory, anti-inflammatory, and anti-fibrotic actions of CDCs, which are mediated by secreted exosomes laden with bioactive cargo. Among the cargo elements known to be bioactive in CDC exosomes are microRNAs. Collectively, these non-coding RNA species alter gene expression in macrophages and other target cells, dialing down generalized inflammation and stimulating tissue regeneration in DMD (and in a variety of other inflammatory diseases). This mechanism of action, which is consistent with the changes observed in clinical studies to date in circulating inflammatory biomarkers, contrasts with that of exon-skipping oligonucleotides and gene therapy approaches, which aim to restore dystrophin expression. DMD is a rare form of muscular dystrophy which results in muscle degeneration and premature death. Additionally, the absence of dystrophin in muscle cells leads to significant cell damage and ultimately causes muscle cell death and fibrotic replacement. The annual cost of care for patients with DMD is very high and increases with disease progression. We therefore believe that DMD represents a significant market opportunity for our product candidate, CAP-1002. To date, we have completed several promising clinical trials, investigating CAP-1002 for DMD. We are now initiating the HOPE-3, Phase 3 clinical study investigating CAP-1002 for the treatment of late-stage DMD patients for the potential approval of CAP-1002 in the United States. HOPE-3 is a randomized, double-blind, placebo-controlled study which will aim to enroll approximately 70 patients at approximately 20-30 sites in the United States. The primary outcome measure will be the Performance of the Upper Limb, or PUL, 2.0. There are other secondary cardiac and exploratory outcome measures. We are in the process of site initiation and have begun screening patients. We anticipate enrolling our first patient in the second quarter of 2022.

- **Exosome-Based Therapeutics and Vaccines (Preclinical):** We are focused on developing a precision-engineered exosome platform technology that has the ability to deliver defined sets of effector molecules which exert their effects through defined mechanisms of action. At this time, we are developing therapeutics and vaccines for infectious diseases, monogenic diseases and other potential indications. Our platform builds on advances in fundamental RNA and protein science, targeting technology and manufacturing, providing us the opportunity to potentially build a broad pipeline of new therapeutic candidates.
- **CAP-1002 for the treatment of cytokine storm associated with COVID-19 (Phase 2):** In the fourth quarter of 2021, we announced completion of enrollment of our INSPIRE, Phase 2 clinical study. In March 2022, we announced topline data from this study. We reported that the primary endpoint of safety was met and the results suggest that CAP-1002 was safe, well tolerated and consistent with the historically observed safety profile of this therapy. At this time, we do not anticipate any further material expenses and have decided not to move forward with further clinical development for this indication.

Due to our significant research and development expenditures, and general administrative costs associated with our operations, we have generated substantial operating losses in each period since our inception. Our net losses were \$7.8 million and \$5.2 million, for the three months ended March 31, 2022 and 2021, respectively. As of March 31, 2022, we had an accumulated deficit of approximately \$115.9 million. We expect to incur significant expenses and operating losses for the foreseeable future.

Cash and cash equivalents as of March 31, 2022 were approximately \$58.3 million which we estimate will fund our operating expenses and capital expenditure requirements into at least the second quarter of 2024. During 2021, we sold 3,566,349 shares pursuant to a sales agreement by and between us and H.C. Wainwright & Co. LLC, or Wainwright, resulting in net proceeds of \$20.2 million. No shares have been sold under this sales agreement during the three months ended March 31, 2022.

In January 2022 we entered into a Commercialization and Distribution Agreement, or the NS Distribution Agreement, with Nippon Shinyaku for the exclusive commercialization and distribution of CAP-1002 for DMD in the US. Under the terms of the NS Distribution Agreement, we will be responsible for the conduct of the HOPE-3 trial as well as for the manufacturing of CAP-1002. Nippon Shinyaku will be responsible for the distribution of CAP-1002 in the United States. Pursuant to the NS Distribution Agreement, we have the obligation to sell commercial product to Nippon Shinyaku, subject to regulatory approval, and in addition will have the right to receive a meaningful, double-digit share of product revenue and additional development and sales-based milestone payments, if achieved. We received an upfront payment of \$30.0 million in the first quarter of 2022 with potential additional milestone payments of up to \$705.0 million.

In March 2022, we announced that the final one-year results from our HOPE-2, Phase 2 clinical trial were published in The Lancet showing that the trial met its primary efficacy endpoint of mid-level PUL v1.2 ($p=0.01$) and additional positive endpoints of full PUL v2.0 ($p=0.04$) and cardiac endpoint of ejection fraction ($p=0.002$). CAP-1002 was generally safe and well-tolerated throughout the study. With the exception of hypersensitivity reactions early in the clinical trial, which were mitigated with a common pre-medication regimen, there were no serious safety signals identified by the HOPE-2 Data and Safety Monitoring Board, or DSMB. Additionally, we are currently conducting an open label extension study of the HOPE-2 trial in which currently 12 patients have elected to continue treatment of CAP-1002.

As we seek to develop and commercialize CAP-1002 or any other product candidates including those related to our exosomes program, we anticipate that our expenses will increase significantly and that we will need substantial additional funding to support our continuing operations. Until such time when we can generate significant revenue from product sales, if ever, we expect to finance our operations through a combination of public or private equity financings, debt financings or other sources, which may include licensing agreements or strategic collaborations or other distribution agreements. We may be unable to raise additional funds or enter into such agreements or arrangements when needed on favorable terms, if at all. If we fail to raise capital or enter into such agreements as and when needed, we may have to significantly delay, scale back or discontinue the development or commercialization of CAP-1002 or our other product candidates.

The COVID-19 pandemic has presented a substantial public health and economic challenge around the world. Our business operations and financial condition and results have been impacted to varying degrees, and we expect the impact will continue in future quarters.

We are continuing to assess and plan our development for the ongoing and potential impact of the COVID-19 pandemic on our business, operations and financial condition and results. Despite careful tracking and planning, however, we are unable to accurately predict the extent of the impact of the pandemic on our business, results of operations and financial condition due to the uncertainty of future developments involving the pandemic and its impact on our employees and operations. The full extent to which the COVID-19 pandemic will directly or indirectly impact our business, results of operations and financial condition will depend on future developments that are highly uncertain and cannot be accurately predicted, including new information that may emerge concerning COVID-19, the actions taken to contain it or treat its impact and the economic impact on local, regional, national and international markets.

Financial Operations Overview

We have no commercial product sales to date and will not have the ability to generate any commercial product revenue until after we have received approval from the U.S. Food and Drug Administration or equivalent foreign regulatory bodies to begin selling our pharmaceutical product candidates. Developing pharmaceutical products is a lengthy and very expensive process. Even if we obtain the capital necessary to continue the development of our product candidates, whether through a strategic transaction or otherwise, we do not expect to complete the development of a product candidate for several years, if ever. To date, most of our development expenses have related to our product candidates, consisting of CAP-1002 and our exosome technologies. As we proceed with the clinical development of CAP-1002, and as we further develop our exosome technologies, our expenses will further increase. Accordingly, our success depends not only on the safety and efficacy of our product candidates, but also on our ability to finance the development of our products and our clinical programs. Our recent major sources of working capital have been primarily proceeds from public equity sales of securities and a payment pursuant to our NS Distribution Agreement with Nippon Shinyaku. While we pursue our preclinical and clinical programs, we continue to explore potential partnerships for the development of one or more of our product candidates in the US and in other territories across the world.

Research and development, or R&D, expenses consist primarily of salaries and related personnel costs, supplies, clinical trial costs, patient treatment costs, rent for laboratories and manufacturing facilities, consulting fees, costs of personnel and supplies for manufacturing, costs of service providers for preclinical, clinical and manufacturing, and certain legal expenses resulting from intellectual property prosecution, stock compensation expense and other expenses relating to the design, development, testing and enhancement of our product candidates. Except for certain capitalized intangible assets, R&D costs are expensed as incurred.

General and administrative, or G&A, expenses consist primarily of salaries and related expenses for executive, finance and other administrative personnel, stock compensation expense, accounting, legal and other professional fees, consulting expenses, rent for corporate offices, business insurance and other corporate expenses.

Our results have included non-cash compensation expense due to the issuance of stock options and warrants, as applicable. We expense the fair value of stock options and warrants over their vesting period as applicable. When more precise pricing data is unavailable, we determine the fair value of stock options using the Black-Scholes option-pricing model. The terms and vesting schedules for share-based awards vary by type of grant and the employment status of the grantee. Generally, the awards vest based upon time-based conditions. They may also vest based on performance-based conditions. Performance-based conditions generally include the attainment of goals related to our financial performance and product development. Stock-based compensation expense is included in the condensed consolidated statements of operations under G&A or R&D expenses, as applicable. We expect to record additional non-cash compensation expense in the future, which may be significant.

Results of Operations

Revenue

Miscellaneous Income. Miscellaneous income for the three months ended March 31, 2022 and 2021 was zero and approximately \$41,000, respectively. The miscellaneous income was related to providing CAP-1002 for investigational purposes for clinical trials sponsored by Cedars-Sinai Medical Center, or CSMC. The decrease in miscellaneous income is due to the clinical trials sponsored by CSMC completing or ceasing enrollment in 2021.

Operating Expenses

General and Administrative Expenses. G&A expenses for the three months ended March 31, 2022 and 2021 were approximately \$2.7 million and \$1.9 million, respectively. The increase of approximately \$0.8 million in G&A expenses in the first quarter of 2022 compared to the same period of 2021 is primarily attributable to an increase in headcount, salaries and recruiting costs of \$0.3 million. Furthermore, there was an increase of approximately \$0.2 million in stock-based compensation expense, approximately \$0.2 for investor relations expenses, and approximately \$0.1 million related to other general expenses.

Research and Development Expenses. R&D expenses for the three months ended March 31, 2022 and 2021 were approximately \$5.1 million and \$3.3 million, respectively. The increase of approximately \$1.8 million in R&D expenses in the first quarter of 2022 compared to the same period of 2021 is due to an increase in research and development expenses related to our exosomes program. These activities resulted in an increase of approximately \$1.0 million. Furthermore, there was an increase of approximately \$0.5 million across our clinical development activities of CAP-1002 (DMD and COVID-19 clinical trials) and a net increase of approximately \$0.3 million in our technology transfer and manufacturing related activities of CAP-1002. Lastly, we saw an increase of approximately \$0.1 million in stock-based compensation expenses allocable to R&D for the quarter ended March 31, 2022 as compared to the quarter ended March 31, 2021.

Products Under Active Development

CAP-1002 for the treatment of DMD— We are initiating a Phase 3 pivotal study for DMD for which we expect to spend approximately \$8.0 million to \$12.0 million in 2022. The expenses for our DMD program will include costs for clinical, regulatory and manufacturing-related expenses, including expenses related to the scale-up for potential commercial scale manufacturing.

Exosome-Based Therapeutics and Vaccines — Our exosome platform is in early-stage development. We expect to spend approximately \$5.0 million to \$7.0 million during 2022 on development expenses related to our exosomes program, which includes personnel, preclinical studies and manufacturing related expenses for these technologies. Our expenses for this program are primarily focused on the expansion of our engineered exosomes platform.

Our expenditures on current and future clinical development programs, particularly our CAP-1002 and exosomes programs, cannot be predicted with any significant degree of certainty as they are dependent on the results of our current trials and our ability to secure additional funding and a strategic partner. Further, we cannot predict with any significant degree of certainty the amount of time which will be required to complete our clinical trials, the costs of completing research and development projects or whether, when and to what extent we will generate revenues from the commercialization and sale of any of our product candidates. The duration and cost of clinical trials may vary significantly over the life of a project as a result of unanticipated events arising during manufacturing and clinical development and as a result of a variety of other factors, including:

- the number of trials and studies in a clinical program;
- the number of patients who participate in the trials;
- the number of sites included in the trials;
- the rates of patient recruitment and enrollment;
- the duration of patient treatment and follow-up;

- the costs of manufacturing our product candidates;
- the availability of necessary materials required to make our product candidates;
- the costs, requirements and timing of, and the ability to secure, regulatory approvals; and
- additional delays caused by the COVID-19 pandemic.

Liquidity and Capital Resources

The following table summarizes our liquidity and capital resources as of March 31, 2022 and December 31, 2021 and our net increase in cash and cash equivalents for the three months ended March 31, 2022 and 2021 and is intended to supplement the more detailed discussion that follows. The amounts stated in the tables below are expressed in thousands.

Liquidity and capital resources	March 31, 2022	December 31, 2021
Cash and cash equivalents	\$ 58,334	\$ 34,885
Working capital	\$ 46,432	\$ 32,304
Stockholders' equity	\$ 24,643	\$ 31,368

Cash flow data	Three months ended March 31,	
	2022	2021
Cash provided by (used in):		
Operating activities	\$ 24,047	\$ (3,329)
Investing activities	(625)	(37)
Financing activities	27	12,580
Net increase in cash and cash equivalents	\$ 23,449	\$ 9,214

Our total cash and cash equivalents as of March 31, 2022 were approximately \$58.3 million compared to approximately \$34.9 million as of December 31, 2021. The increase in cash and cash equivalents from December 31, 2021 to March 31, 2022 is due to the upfront payment of \$30.0 million from Nippon Shinyaku. As of March 31, 2022, we had approximately \$40.3 million in total liabilities, of which \$30.0 million relates to deferred revenue, and approximately \$46.4 million in net working capital.

Cash provided by operating activities was approximately \$24.0 million and cash used in operating activities was approximately \$3.3 million for the three months ended March 31, 2022 and 2021, respectively. The difference of approximately \$27.3 million in cash from operating activities is due to the upfront payment of \$30.0 million from Nippon Shinyaku. Furthermore, there was a decrease of approximately \$0.4 million in the change in accounts payable and accrued liabilities and an increase of approximately \$0.3 million in stock-based compensation for the three months ended March 31, 2022 as compared to the same period in 2021. To the extent we obtain sufficient capital and/or long-term debt funding and are able to continue developing our product candidates, including if we expand our technology portfolio, engage in further research and development activities, and, in particular, conduct preclinical studies and clinical trials, we expect to continue incurring substantial losses.

We had cash flow used in investing activities of approximately \$0.6 million and \$36,912 for the three months ended March 31, 2022 and 2021, respectively. The increase in cash used in investing activities for the three months ended March 31, 2022 as compared to the same period of 2021 is due to the increase in purchases of property and equipment and leasehold improvements in connection with the build-out of our San Diego laboratory space.

We had cash flow provided by financing activities of \$27,465 and approximately \$12.6 million for the three months ended March 31, 2022 and 2021, respectively. The decrease in cash provided by financing activities for the three months ended March 31, 2022 as compared to the three months ended March 31, 2021 is primarily due to the decrease in the proceeds from issuance of stock in connection to the ATM Programs (as described below) in the three months ended March 31, 2022 as compared with the three months ended March 31, 2021.

From inception through March 31, 2022, we financed our operations primarily through private and public sales of our equity securities, government grants and payments from collaboration partners. As we have not generated any revenue from the commercial sale of our products to date, and we do not expect to generate revenue for several years, if

ever, we will need to raise substantial additional capital to fund our research and development, including our long-term plans for clinical trials and new product development. We may seek to raise additional funds through various potential sources, such as equity and debt financings, government grants, or through strategic collaborations and license agreements. We can give no assurances that we will be able to secure such additional sources of funds to support our operations, complete our clinical trials or if such funds become available to us, that such additional financing will be sufficient to meet our needs. Moreover, to the extent that we raise additional funds by issuing equity securities, our stockholders may experience significant dilution, and debt financing, if available, may involve restrictive covenants. To the extent that we raise additional funds through collaboration and licensing arrangements, it may be necessary to relinquish some rights to our technologies or our product candidates or grant licenses on terms that may not be favorable to us.

Our estimates regarding the sufficiency of our financial resources are based on assumptions that may prove to be wrong. We may need to obtain additional funds sooner than planned or in greater amounts than we currently anticipate. At this time, we believe our cash resources are sufficient to fund our operations for at least the next twelve months. The actual amount of funds we will need to operate is subject to many factors, some of which are beyond our control. These factors include the following:

- the progress of our research activities;
- the number and scope of our research programs;
- the progress and success of our preclinical and clinical development activities;
- the progress of the development efforts of parties with whom we have entered into research and development agreements;
- our ability to successfully manufacture product for our clinical trials;
- the availability of materials necessary to manufacture our product candidates;
- the costs of manufacturing our product candidates, and the progress of efforts with parties with whom we may enter into commercial manufacturing agreements;
- our ability to maintain current research and development programs and to establish new research and development and licensing arrangements;
- additional costs associated with maintaining licenses and insurance;
- the costs involved in prosecuting and enforcing patent claims and other intellectual property rights; and
- the costs and timing of regulatory approvals.

As a result of the spread of the COVID-19 coronavirus, uncertainties have arisen that have impacted enrollment of clinical trials, deliverables related to contract performance, payments from trial sponsors, workforce stability, supply chain disruptions or delays, timing of grant disbursements as well as other potential business operations. While the disruption is currently expected to be temporary, there is considerable uncertainty around its expected duration. In addition to potential impact on grant availability, there may be risks to the Company's ability to obtain financing from other sources, due to the impact of the coronavirus. There could be other financial impacts on our business from the coronavirus, the specifics of which are unknown at this time.

Financing Activities by the Company

Commercialization and Distribution Agreement with Nippon Shinyaku

In January 2022, Capricor entered into the NS Distribution Agreement with Nippon Shinyaku. Under the terms of the NS Distribution Agreement, Capricor appointed Nippon Shinyaku as its exclusive distributor in the United States for CAP-1002, the Company's lead product candidate, for the treatment of DMD.

Under the terms of the NS Distribution Agreement, Capricor will be responsible for the conduct of the HOPE-3 trial as well as the manufacturing of CAP-1002. Nippon Shinyaku will be responsible for the distribution of CAP-1002 in the United States. Pursuant to the NS Distribution Agreement, Capricor has the obligation to sell commercial product to Nippon Shinyaku, subject to regulatory approval, and in addition will have the right to receive a meaningful, double-digit share of product revenue and additional development and sales-based milestone payments, if achieved. In the first quarter

of 2022, Capricor received an upfront payment of \$30.0 million. Pursuant to the terms of the NS Distribution Agreement there are potential additional sales and development milestone payments of up to \$705.0 million.

June 2021 ATM Program

On June 21, 2021, the Company initiated an at-the-market offering under a prospectus supplement for aggregate sales proceeds of up to \$75.0 million, or the June 2021 ATM Program, with the common stock to be distributed at the market prices prevailing at the time of sale. The June 2021 ATM Program was established under a Common Stock Sales Agreement, or the Sales Agreement, with Wainwright, under which we may, from time to time, issue and sell shares of our common stock through Wainwright as sales agent. The Sales Agreement provides that Wainwright will be entitled to compensation for its services at a commission rate of 3.0% of the gross sales price per share of common stock sold. All shares issued pursuant to the June 2021 ATM Program were issued pursuant to our shelf registration statement on Form S-3 (File No. 333-254363), which was initially filed with the Securities and Exchange Commission, or the SEC, on March 16, 2021, amended on June 15, 2021 and declared effective by the SEC on June 16, 2021. From June 21, 2021 through September 30, 2021, the Company has sold an aggregate of 1,267,475 shares of common stock under the June 2021 ATM Program at an average price of approximately \$5.89 per share for gross proceeds of approximately \$7.5 million. Approximately \$67.5 million of common stock may still be sold pursuant to the June 2021 ATM Program. The Company paid cash commissions on the gross proceeds, plus reimbursement of expenses to Wainwright, as well as legal and accounting fees in the aggregate amount of approximately \$0.3 million. No shares were sold in the fourth quarter of 2021 or the first quarter of 2022 under the June 2021 ATM Program.

May 2020 ATM Program

On May 4, 2020, the Company initiated an at-the-market offering under a prospectus supplement for aggregate sales proceeds of up to \$40.0 million, or the May 2020 ATM Program, with the common stock to be distributed at the market prices prevailing at the time of sale. The May 2020 ATM Program was established under the Sales Agreement. All shares issued pursuant to the May 2020 ATM Program were issued pursuant to our shelf registration statement on Form S-3 (File No. 333-227955), which was initially filed with the SEC on October 24, 2018, amended on July 17, 2019 and declared effective by the SEC on July 18, 2019. From May 4, 2020 through June 21, 2021, the Company has sold an aggregate of 6,027,852 shares of common stock under the May 2020 ATM Program at an average price of approximately \$6.15 per share for gross proceeds of approximately \$37.1 million. The Company paid cash commissions on the gross proceeds, plus reimbursement of expenses to Wainwright, as well as legal and accounting fees in the aggregate amount of approximately \$1.2 million. As of June 21, 2021, the May 2020 ATM Program expired and was replaced with the June 2021 ATM Program.

CIRM Grant Award

On June 16, 2016, Capricor entered into an award, or the CIRM Award, with the California Institute for Regenerative Medicine, or CIRM, in the amount of approximately \$3.4 million to fund, in part, Capricor's Phase I/II HOPE-Duchenne clinical trial investigating CAP-1002 for the treatment of Duchenne muscular dystrophy-associated cardiomyopathy. Pursuant to terms of the CIRM Award, the disbursements were tied to the achievement of specified operational milestones. In addition, the terms of the CIRM Award included a co-funding requirement pursuant to which Capricor was required to spend approximately \$2.3 million of its own capital to fund the CIRM funded research project. The CIRM Award is further subject to the conditions and requirements set forth in the CIRM Grants Administration Policy for Clinical Stage Projects. Such requirements include, without limitation, the filing of quarterly and annual reports with CIRM, the sharing of intellectual property pursuant to Title 17, California Code of Regulations (CCR) Sections 100600-100612, and the sharing with the State of California of a fraction of licensing revenue received from a CIRM funded research project and net commercial revenue from a commercialized product which resulted from the CIRM funded research as set forth in Title 17, CCR Section 100608. The maximum royalty on net commercial revenue that Capricor may be required to pay to CIRM is equal to nine times the total amount awarded and paid to Capricor.

After completing the CIRM funded research project and at any time after the award period end date (but no later than the ten-year anniversary of the date of the award), Capricor has the right to convert the CIRM Award into a loan, the terms of which will be determined based on various factors, including the stage of the research and development of the

program at the time the election is made. On June 20, 2016, Capricor entered into a Loan Election Agreement with CIRM whereby, among other things, CIRM and Capricor agreed that if Capricor elects to convert the grant into a loan, the term of the loan could be up to five years from the date of execution of the applicable loan agreement; provided that the maturity date of the loan will not surpass the ten-year anniversary of the grant date of the CIRM Award. Beginning on the date of the loan, the loan shall bear interest on the unpaid principal balance, plus the interest that has accrued prior to the election point according to the terms set forth in CIRM's Loan Policy, or the New Loan Balance, at a per annum rate equal to the LIBOR rate for a three-month deposit in U.S. dollars, as published by the Wall Street Journal on the loan date, plus one percent. Interest shall be compounded annually on the outstanding New Loan Balance commencing with the loan date and the interest shall be payable, together with the New Loan Balance, upon the due date of the loan. If Capricor elects to convert the CIRM Award into a loan, certain requirements of the CIRM Award will no longer be applicable, including the revenue sharing requirements. Capricor has not yet made its decision as to whether it will elect to convert the CIRM Award into a loan. If we elect to do so, Capricor would be required to repay some or all of the amounts awarded by CIRM, therefore the Company accounts for this award as a liability rather than income.

In June 2019, Capricor completed all milestones associated with the CIRM Award and expended all funds received. In the third quarter of 2019, Capricor completed all final close-out documentation associated with this award. As of March 31, 2022, Capricor's liability balance for the CIRM Award was approximately \$3.4 million.

Off-Balance Sheet Arrangements

During the periods presented, we did not have, nor do we currently have, any off-balance sheet arrangements, as defined in the rules and regulations of the SEC.

Critical Accounting Policies and Estimates

Our financial statements are prepared in accordance with generally accepted accounting principles. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, expenses and related disclosures. We evaluate our estimates and assumptions on an ongoing basis, including research and development and clinical trial accruals, and stock-based compensation estimates. Our estimates are based on historical experience and various other assumptions that we believe to be reasonable under the circumstances. Our actual results could differ from these estimates. We believe the following critical accounting policies reflect the more significant judgments and estimates used in the preparation of our financial statements and accompanying notes.

Leases

ASC 842, as adopted in the first quarter of 2019, requires lessees to recognize most leases on the balance sheet with a corresponding right-to-use asset, or ROU asset. ROU assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's obligation to make lease payments arising from the lease. The assets and lease liabilities are recognized at the lease commencement date based on the estimated present value of fixed lease payments over the lease term. ROU assets are evaluated for impairment using the long-lived assets impairment guidance.

Leases will be classified as financing or operating, which will drive the expense recognition pattern. The Company elects to exclude short-term leases if and when the Company has them.

The Company leases office and laboratory space, all of which are operating leases. Most leases include the option to renew and the exercise of the renewal options is at the Company's sole discretion. Options to renew a lease are not included in the Company's assessment unless there is reasonable certainty that the Company will renew. In addition, the Company's lease agreements generally do not contain any residual value guarantees or restrictive covenants.

The interest rate implicit in lease contracts is typically not readily determinable. As a result, the Company utilizes its incremental borrowing rate, which reflects the fixed rate at which the Company could borrow on a collateralized basis the amount of the lease payments in the same currency, for a similar term, in a similar economic environment.

For real estate leases, the Company has elected the practical expedient under ASC 842 to account for the lease and non-lease components together for existing classes of underlying assets and allocates the contract consideration to the lease component only. This practical expedient is not elected for manufacturing facilities and equipment embedded in product supply arrangements.

Revenue Recognition

The Company applies ASU 606, *Revenue from Contracts with Customers*, for all contracts.

Clinical Development Income

Income is recorded over time as the Company satisfies distinct performance obligations outlined in the contracts with the customer or partner. The transaction price of the income includes the upfront payment. Additional payments due upon achievement of milestones and targets as defined in the contract may increase the transaction price to be recognized.

Grant Income

The determination as to when income is earned is dependent on the language in each specific grant. Generally, we recognize grant income in the period in which the expense is incurred for those expenses that are deemed reimbursable under the terms of the grant. Grant income is due upon submission of reimbursement request. The transaction price varies for grant income based on the expenses incurred under the awards.

Miscellaneous Income

Revenue is recognized in connection with the delivery of doses which were developed as part of our past R&D efforts. Income is recorded when the Company has satisfied the obligations as identified in the contracts with the customer. Miscellaneous income is due upon billing. Miscellaneous income is based on contracts with fixed transaction prices.

CIRM Grant Award

Capricor accounts for the disbursements under its CIRM Award as long-term liabilities. Capricor recognizes the CIRM grant disbursements as a liability as the principal is disbursed rather than recognizing the full amount of the grant award. After completing the CIRM funded research project and after the award period end date, Capricor has the right to convert the CIRM Award into a loan, the terms of which will be determined based on various factors, including the stage of the research and the stage of development at the time the election is made. In June 2016, Capricor entered into a Loan Election Agreement with CIRM whereby, among other things, CIRM and Capricor agreed that if Capricor elects to convert the grant into a loan, the term of the loan could be up to five years from the date of execution of the applicable loan agreement; provided that the maturity date of the loan will not surpass the ten-year anniversary of the grant date of the CIRM Award. Since Capricor may be required to repay some or all of the amounts awarded by CIRM, the Company accounts for this award as a liability rather than income.

Research and Development Expenses and Accruals

R&D expenses consist primarily of salaries and related personnel costs, supplies, clinical trial costs, patient treatment costs, rent for laboratories and manufacturing facilities, consulting fees, costs of personnel and supplies for manufacturing, costs of service providers for preclinical, clinical and manufacturing, and certain legal expenses resulting from intellectual property prosecution, stock compensation expense and other expenses relating to the design, development, testing and enhancement of our product candidates. Except for certain capitalized intangible assets, R&D costs are expensed as incurred.

Our cost accruals for clinical trials and other R&D activities are based on estimates of the services received and efforts expended pursuant to contracts with numerous clinical trial centers and contract research organizations, or CROs, clinical study sites, laboratories, consultants or other clinical trial vendors that perform activities in connection with a trial.

Related contracts vary significantly in length and may be for a fixed amount, a variable amount based on actual costs incurred, capped at a certain limit, or for a combination of fixed, variable and capped amounts. Activity levels are monitored through close communication with the CROs and other clinical trial vendors, including detailed invoice and task completion review, analysis of expenses against budgeted amounts, analysis of work performed against approved contract budgets and payment schedules, and recognition of any changes in scope of the services to be performed. Certain CRO and significant clinical trial vendors provide an estimate of costs incurred but not invoiced at the end of each quarter for each individual trial. These estimates are reviewed and discussed with the CRO or vendor as necessary, and are included in R&D expenses for the related period. For clinical study sites which are paid periodically on a per-subject basis to the institutions performing the clinical study, we accrue an estimated amount based on subject screening and enrollment in each quarter. All estimates may differ significantly from the actual amount subsequently invoiced, which may occur several months after the related services were performed.

In the normal course of business, we contract with third parties to perform various R&D activities in the on-going development of our product candidates. The financial terms of these agreements are subject to negotiation, vary 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 objective of the accrual policy is to match the recording of expenses in the financial statements to the actual services received and efforts expended. As such, expense accruals related to clinical trials and other R&D activities are recognized based on our estimates of the degree of completion of the event or events specified in the applicable contract.

No adjustments for material changes in estimates have been recognized in any period presented.

Stock-Based Compensation

Our results include non-cash compensation expense as a result of the issuance of stock, stock options and warrants, as applicable. We have issued stock options to employees, directors and consultants under our five stock option plans: (i) the 2006 Stock Option Plan, (ii) the 2012 Restated Equity Incentive Plan (which superseded the 2006 Stock Option Plan), (iii) the 2012 Non-Employee Director Stock Option Plan, (iv) the 2020 Equity Incentive Plan, and (v) the 2021 Equity Incentive Plan.

We expense the fair value of stock-based compensation over the vesting period. When more precise pricing data is unavailable, we determine the fair value of stock options using the Black-Scholes option-pricing model. This valuation model requires us to make assumptions and judgments about the variables used in the calculation. These variables and assumptions include the weighted-average period of time that the options granted are expected to be outstanding, the volatility of our common stock, and the risk-free interest rate. We account for forfeitures upon occurrence.

Stock options or other equity instruments to non-employees (including consultants) issued as consideration for goods or services received by us are accounted for based on the fair value of the equity instruments issued. The fair value of stock options is determined using the Black-Scholes option-pricing model. The Company calculates the fair value for non-qualified options as of the date of grant and expenses over the applicable vesting periods.

The terms and vesting schedules for share-based awards vary by type of grant and the employment status of the grantee. Generally, the awards vest based upon time-based or performance-based conditions. Performance-based conditions generally include the attainment of goals related to our financial and development performance. Stock-based compensation expense is included in general and administrative expense or research and development expense, as applicable, in the Statements of Operations and Comprehensive Income (Loss). We expect to record additional non-cash compensation expense in the future, which may be significant.

Clinical Trial Expense

As part of the process of preparing our consolidated financial statements, we are required to estimate our accrued expenses. Our clinical trial accrual process is designed to account for expenses resulting from our obligations under contracts with vendors, consultants, CROs and clinical site agreements in connection with conducting clinical trials. The

financial terms of these contracts are subject to negotiations, which vary from contract to contract and may result in payment flows that do not match the periods over which materials or services are provided to us under such contracts. Our objective is to reflect the appropriate clinical trial expenses in our consolidated financial statements by matching the appropriate expenses with the period in which services are provided and efforts are expended. We account for these expenses according to the progress of the trial as measured by patient progression and the timing of various aspects of the trial. We determine accrual estimates through financial models that take into account discussions with applicable personnel and outside service providers as to the progress or state of completion of trials, or the services completed. During the course of a clinical trial, we adjust our clinical expense recognition if actual results differ from our estimates. We make estimates of our accrued expenses as of each balance sheet date in our consolidated financial statements based on the facts and circumstances known to us at that time. Our clinical trial accrual and prepaid assets are dependent, in part, upon the receipt of timely and accurate reporting from CROs and other third-party vendors. Although we do not expect our estimates to be materially different from amounts actually incurred, our understanding of the status and timing of services performed relative to the actual status and timing of services performed may vary and may result in us reporting amounts that are too high or too low for any particular period.

Recently Issued or Newly Adopted Accounting Pronouncements

In November 2021, the FASB issued ASU 2021-10, *Government Assistance (Topic 832)*, which requires business entities to disclose information about transactions with a government entity that are accounted for by applying a grant or contribution model by analogy. For transactions within scope, the new standard requires the disclosure of information about the nature of the transaction, including significant terms and conditions, as well as the amounts and specific financial statement line items affected by the transaction. The new guidance is effective for annual reporting periods beginning after December 15, 2021. The Company adopted ASU 2021-10 in the first quarter of 2022. The adoption of this update did not have a material impact on the Company's financial statements and footnote disclosures.

Other recent accounting pronouncements issued by the FASB, including its Emerging Issues Task Force, the American Institute of Certified Public Accountants, and the SEC, did not or are not believed by management to have a material impact on the Company's present or future consolidated financial statement presentation or disclosures.

Item 3. Quantitative and Qualitative Disclosures About Market Risk.

Interest Rate Sensitivity

Our exposure to market risk for changes in interest rates relates primarily to our marketable securities and cash and cash equivalents. As of March 31, 2022, the fair value of our cash and cash equivalents was approximately \$58.3 million. Additionally, as of March 31, 2022, Capricor's investment portfolio was classified as cash and cash equivalents, which consisted primarily of money market funds and bank money market, which included short term U.S. treasuries, bank savings and checking accounts.

The goal of our investment policy is to place our investments with highly rated credit issuers and limit the amount of credit exposure. We seek to improve the safety and likelihood of preservation of our invested funds by limiting default risk and market risk. Our investments may be exposed to market risk due to fluctuation in interest rates, which may affect our interest income and the fair market value of our investments, if any. We will manage this exposure by performing ongoing evaluations of our investments. Due to the short-term maturities, if any, of our investments to date, their carrying value has always approximated their fair value. Our policy is to mitigate default risk by investing in high credit quality securities, and we currently do not hedge interest rate exposure. Due to our policy of making investments in U.S. treasury securities with primarily short-term maturities, we believe that the fair value of our investment portfolio would not be significantly impacted by a hypothetical 100 basis point increase or decrease in interest rates.

Item 4. Controls and Procedures.

We have adopted and 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 time periods 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 Chief Financial Officer, as appropriate, to allow for timely decisions regarding required disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that controls and procedures, no matter how well designed and operated, cannot provide absolute assurance of achieving the desired control objectives.

As required by Rules 13a-15(b) and 15d-15(b) of the Exchange Act, we carried out an evaluation, under the supervision and with the participation of management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the period covered by this report. Based on the foregoing, our Chief Executive Officer and Chief Financial Officer concluded that, as of the end of the period covered by this report, our disclosure controls and procedures were effective at the reasonable assurance level.

Changes in Internal Controls over Financial Reporting

There has been no change in our internal control over financial reporting during the quarter ended March 31, 2022 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.

We are not involved in any material pending legal proceedings.

Item 1A. Risk Factors.

Part 1, Item 1A, “Risk Factors” of our Annual Report on Form 10-K for the year ended December 31, 2021, as filed with the SEC on March 11, 2022, describes important risk factors that could cause our business, financial condition, results of operations and prospects to differ significantly from those suggested by forward-looking statements made in this Quarterly Report on Form 10-Q or otherwise presented by us from time to time. There have been no material changes in our risk factors from those previously disclosed in our Annual Report on Form 10-K for the year ended December 31, 2021, as filed with the SEC on March 11, 2022.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

Not applicable.

Item 3. Defaults Upon Senior Securities.

Not applicable.

Item 4. Mine Safety Disclosures.

Not applicable.

Item 5. Other Information.

None.

Item 6. Exhibits.

- 2.1 [Agreement and Plan of Merger, dated as of August 15, 2007, by and among SMI Products, Inc., Nile Merger Sub, Inc. and Nile Therapeutics, Inc. \(incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K, filed with the SEC on August 17, 2007\).](#)
- 2.2 [Agreement and Plan of Merger and Reorganization, dated as of July 7, 2013, by and among Nile Therapeutics, Inc., Bovet Merger Corp. and Capricor, Inc. \(incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K, filed with the SEC on July 9, 2013\).](#)
- 2.3 [First Amendment to Agreement and Plan of Merger and Reorganization, dated as of September 27, 2013, by and between Nile Therapeutics, Inc., Bovet Merger Corp. and Capricor, Inc. \(incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K, filed with the SEC on October 3, 2013\).](#)
- 3.1 [Certificate of Incorporation of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the SEC on February 9, 2007\).](#)
- 3.2 [Certificate of Amendment of Certificate of Incorporation of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the SEC on November 26, 2013\).](#)
- 3.3 [Certificate of Amendment of Certificate of Incorporation of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the SEC on June 4, 2019\).](#)
- 3.4 [Amended and Restated Bylaws of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the SEC on August 25, 2020\).](#)
- 10.1 [Commercialization and Distribution Agreement, dated as of January 25, 2022, by and among Capricor Therapeutics, Inc., Capricor, Inc. and Nippon Shinyaku Co. Ltd. \(incorporated by reference to Exhibit 10.55 to the Company's Annual Report on Form 10-K, filed with the SEC on March 11, 2022\).](#) +
- 31.1 [Certification of Principal Executive Officer.*](#)
- 31.2 [Certification of Principal Financial Officer.*](#)
- 32.1 [Certification of Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.*](#)
- 32.2 [Certification of Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.*](#)
- 101 The following financial information from Capricor Therapeutics, Inc.'s Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2022 formatted in Inline eXtensible Business Reporting Language (iXBRL): (i) Condensed Consolidated Balance Sheets as of March 31, 2022 and December 31, 2021, (ii) Condensed Consolidated Statements of Operations, (iii) Condensed Consolidated Statement of Changes in Stockholders' Equity, (iv) Condensed Consolidated Statements of Cash Flows, and (v) Notes to Condensed Consolidated Financial Statements.*
- 104 Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

* Filed herewith.

+ Portions of the exhibit have been excluded because it is both not material and is the type of information that the registrant treats as private or confidential.

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.

CAPRICOR THERAPEUTICS, INC.

Date: May 11, 2022

By: /s/ Linda Marbán, Ph.D.

Linda Marbán, Ph.D.
Chief Executive Officer
(Principal Executive Officer)

Date: May 11, 2022

By: /s/ Anthony J. Bergmann

Anthony J. Bergmann
Chief Financial Officer
(Principal Financial and Accounting Officer)

CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER

I, Linda Marbán, Ph.D., certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Capricor Therapeutics, Inc.;
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.
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: May 11, 2022

/s/ Linda Marbán, Ph.D.

Name: Linda Marbán, Ph.D.

Title: Chief Executive Officer and Principal Executive Officer

CERTIFICATION OF PRINCIPAL FINANCIAL OFFICER

I, Anthony J. Bergmann, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Capricor Therapeutics, Inc.;
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.
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: May 11, 2022

/s/ Anthony J. Bergmann

Name: Anthony J. Bergmann

Title: Chief Financial Officer and Principal Financial Officer

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

Pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, Linda Marbán, Ph.D., the Principal Executive Officer of Capricor Therapeutics, Inc. (the "**Company**"), hereby certifies, to her knowledge, that:

(1) the Quarterly Report on Form 10-Q of the Company for the period ended March 31, 2022 (the "**Report**") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and

(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company for the period covered by the Report.

Date: May 11, 2022

/s/ Linda Marbán, Ph.D.

Name: Linda Marbán, Ph.D.

Title: Chief Executive Officer and Principal Executive Officer

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

Pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, Anthony J. Bergmann, the Principal Financial Officer of Capricor Therapeutics, Inc. (the "**Company**"), hereby certifies, to his knowledge, that:

(1) the Quarterly Report on Form 10-Q of the Company for the period ended March 31, 2022 (the "**Report**") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and

(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company for the period covered by the Report.

Date: May 11, 2022

/s/ Anthony J. Bergmann

Name: Anthony J. Bergmann

Title: Chief Financial Officer and Principal Financial Officer
