UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 10-Q

(Mark One)

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

For the quarterly period ended March 31, 2020

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: 001-38096

G1 THERAPEUTICS, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware	**26-3648180**
(State or other jurisdiction of incorporation or organization)	**(I.R.S. Employer Identification No.)**

700 Park Offices Drive, Suite 200
Research Triangle Park, NC 27709
(Address of principal executive offices including zip code)

Registrant's telephone number, including area code: (919) 213-9835

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 $0.0001 per share	GTHX	The Nasdaq Stock Market

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, 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	☒	Accelerated filer	☐
Non-accelerated filer	☐	Smaller reporting company	☐
		Emerging growth company	☐

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 ☒

As of April 30, 2020, the registrant had 37,737,260 shares of common stock, $0.0001 par value per share, outstanding.

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PART I—FINANCIAL INFORMATION

Item 1. Financial Statements.

G1 Therapeutics, Inc.
Condensed Balance Sheets (unaudited)
(in thousands, except share and per share amounts)

	March 31, 2020	December 31, 2019
Assets		
Current assets		
Cash and cash equivalents	$ 242,402	$ 269,208
Restricted cash	63	63
Prepaid expenses and other current assets	1,124	1,732
Total current assets	243,589	271,003
Property and equipment, net	3,371	3,538
Restricted cash	437	437
Operating lease assets	9,117	9,853
Total assets	$ 256,514	$ 284,831
Liabilities and Stockholders' Equity		
Current liabilities		
Accounts payable	$ 4,703	$ 3,684
Accrued expenses	12,682	15,403
Other current liabilities	1,063	682
Total current liabilities	18,448	19,769
Operating lease liabilities	8,616	9,535
Total liabilities	27,064	29,304
Stockholders' equity		
Common stock, $0.0001 par value, 120,000,000 shares authorized as of March 31, 2020 and December 31, 2019, respectively; 37,763,926 and 37,638,260 shares issued as of March 31, 2020 and December 31, 2019, respectively; 37,737,260 and 37,611,594 shares outstanding as of March 31, 2020 and December 31, 2019, respectively	4	4
Treasury stock, 26,666 shares	(8)	(8)
Additional paid-in capital	597,330	592,384
Accumulated deficit	(367,876)	(336,853)
Total stockholders' equity	229,450	255,527
Total liabilities and stockholders' equity	$ 256,514	$ 284,831

The accompanying notes are an integral part of these condensed financial statements.

G1 Therapeutics, Inc.
Condensed Statements of Operations (unaudited)
(in thousands, except share and per share amounts)

	Three Months Ended March 31,	
	2020	2019
Revenue	$ —	$ —
Operating expenses		
Research and development	20,434	18,080
General and administrative	11,387	7,801
Total operating expenses	31,821	25,881
Operating loss	(31,821)	(25,881)
Other income (expense)		
Other income	798	1,929
Total other income, net	798	1,929
Net loss	$ (31,023)	$ (23,952)
Net loss attributable to common stockholders	$ (31,023)	$ (23,952)
Net loss per share attributable to common stockholders, basic and diluted	$ (0.82)	$ (0.64)
Weighted average common shares outstanding, basic and diluted	37,659,722	37,396,980

The accompanying notes are an integral part of these condensed financial statements.

G1 Therapeutics, Inc.
Condensed Statements of Stockholders' Equity (unaudited)
(in thousands, except share and per share amounts)

	Common stock		Treasury stock		Additional paid-in capital	Accumulated deficit	Total stock-holders' equity
	Shares	Amount	Shares	Amount			
Balance at December 31, 2019	**37,638,260**	**$ 4**	**(26,666)**	**$ (8)**	**$ 592,384**	**$ (336,853)**	**$ 255,527**
Exercise of common stock options	125,666	—	—	—	219	—	219
Stock-based compensation		—	—	—	4,727	—	4,727
Net loss during quarter	—	—	—	—	—	(31,023)	(31,023)
Balance at March 31, 2020	**37,763,926**	**$ 4**	**(26,666)**	**$ (8)**	**$ 597,330**	**$ (367,876)**	**$ 229,450**

	Common stock		Treasury stock		Additional paid-in capital	Accumulated deficit	Total stock-holders' equity
	Shares	Amount	Shares	Amount			
Balance at December 31, 2018	**37,268,792**	**$ 4**	**(26,666)**	**$ (8)**	**$ 573,230**	**$ (214,406)**	**$ 358,820**
Exercise of common stock options	218,890	—	—	—	269	—	269
Stock-based compensation	—	—	—	—	3,804	—	3,804
Net loss during quarter	—	—	—	—	—	(23,952)	(23,952)
Balance at March 31, 2019	**37,487,682**	**$ 4**	**(26,666)**	**$ (8)**	**$ 577,303**	**$ (238,358)**	**$ 338,941**

The accompanying notes are an integral part of these condensed financial statements

G1 Therapeutics, Inc.
Condensed Statements of Cash Flows (unaudited)
(amounts in thousands)

	Three Months Ended March 31,	
	2020	**2019**
Cash flows from operating activities		
Net loss	$ (31,023)	$ (23,952)
Adjustments to reconcile net loss to net cash used in operating activities		
Depreciation and amortization	159	64
Stock-based compensation	4,727	3,804
Loss on disposal of fixed assets	8	—
Change in operating assets and liabilities		
Prepaid expenses and other assets	1,371	156
Accounts payable	992	(631)
Accrued expenses and other liabilities	(3,259)	(987)
Net cash used in operating activities	(27,025)	(21,546)
Cash flows from investing activities		
Purchases of property and equipment	—	(216)
Net cash used in investing activities	—	(216)
Cash flows from financing activities		
Proceeds from stock options and warrants exercised	219	269
Net cash provided by financing activities	219	269
Net change in cash and cash equivalents	(26,806)	(21,493)
Cash and cash equivalents and restricted cash		
Beginning of period	269,708	369,290
End of period	$ 242,902	$ 347,797
Non-cash investing and financing activities		
Upfront project costs and other current assets in accounts payable	27	315
Purchases of equipment in accounts payable and accrued expenses	—	54

The accompanying notes are an integral part of these condensed financial statements.

1. Business Description

G1 Therapeutics, Inc. (the "Company") is a clinical-stage biopharmaceutical company based in Research Triangle Park, North Carolina focused on the discovery, development and commercialization of novel small molecule therapeutics for the treatment of patients with cancer. The Company was incorporated on May 19, 2008 in the state of Delaware.

The Company is advancing three clinical-stage programs. Trilaciclib is a first-in-class therapy designed to improve outcomes for patients who are treated with chemotherapy. Rintodestrant is a potential best-in-class oral selective estrogen receptor degrader (SERD) for the treatment of estrogen receptor-positive (ER+) breast cancer. Lerociclib is a differentiated oral CDK4/6 inhibitor designed to enable more effective combination treatment strategies across multiple oncology indications, including ER+, HER2-negative (HER2-) breast cancer. The Company also has an active discovery program focused on cyclin-dependent kinase targets. The Company owns the global rights to all of its product candidates.

Trilaciclib, the Company's most advanced clinical-stage candidate, is a first-in-class therapy designed to preserve bone marrow and immune system function during chemotherapy and improve patient outcomes. The U.S. Food and Drug Administration (FDA) has granted Breakthrough Therapy Designation for trilaciclib based on myelopreservation data from three randomized, double-blind, placebo-controlled small cell lung cancer (SCLC) clinical trials, as well as safety data collected across all completed and ongoing clinical trials. The Breakthrough Therapy program is designed to expedite development and review of drugs intended for serious or life-threatening conditions. Based on written feedback from its pre-New Drug Application (NDA) meeting with the FDA, the Company began a rolling NDA submission for trilaciclib for myelopreservation in SCLC in the fourth quarter of 2019 and expects to complete the NDA submission in the second quarter of 2020. Discussions with European regulatory authorities have indicated existing data is sufficient to support a Marketing Authorization Application (MAA) to the European Medicines Agency (EMA) for trilaciclib for myelopreservation in SCLC, which the Company plans to pursue in collaboration with a partner. In September 2019, the Company presented updated data from a randomized Phase 2 trial of trilaciclib in combination with chemotherapy in metastatic triple-negative breast cancer (mTNBC). The results of the trial demonstrated significant improvement in overall survival, or (OS) (preliminary). Though the trial did not meet the primary myelopreservation endpoints, patients receiving trilaciclib were able to receive approximately 50% more cycles of chemotherapy, without additional hematological toxicity. These data were presented at the 2019 European Society for Medical Oncology (ESMO) Congress and were concurrently published in The Lancet Oncology. In January 2020, the Company announced that trilaciclib will be included in a new randomized, investigational treatment arm for the ongoing I-SPY 2 TRIAL™ for neoadjuvant treatment of locally advanced breast cancer. The trial, run by the non-profit Quantum Leap Healthcare Collaborative, is designed to rapidly screen promising experimental treatments and identify those most effective in specific patient subgroups based on molecular characteristics (biomarker signatures). The Company is planning to initiate a randomized, placebo-controlled Phase 3 trial of trilaciclib in colorectal cancer in the fourth quarter of 2020.

The Company is developing rintodestrant, a potential best-in-class oral SERD, as a monotherapy and in combination with the CDK4/6 inhibitors, initially Ibrance® (palbociclib), for the treatment of ER+ breast cancer. In 2018, the Company initiated a Phase 1/2a (dose escalation/dose expansion) clinical trial in ER+, HER2- breast cancer. Preliminary data from the Phase 1 potion of this trial were presented at the 2019 ESMO Congress, showing that rintodestrant was well tolerated and demonstrated evidence of anti-tumor activity in heavily pre-treated patients. The Company has completed enrollment of the dose escalation and dose expansion portions of the trial, and based on these findings the Company plans to advance a 800 mg dose of rintodestrant in future trials. The Company plans to present additional safety and efficacy data from this trial in the fourth quarter of 2020. The Company expects to initiate enrollment of patients receiving rintodestrant in combination with palbociclib in the second quarter of 2020. Palbociclib is being provided under a non-exclusive clinical supply agreement that was signed with Pfizer in February 2020.

Lerociclib is a differentiated oral CDK4/6 inhibitor being developed for use in combination with other targeted therapies in multiple oncology indications, including ER+, HER2- breast cancer. The Company reported encouraging updated results from its Phase 1/2 trial in ER+, HER2- breast cancer (in combination with fulvestrant) at the 2019 San Antonio Breast Cancer Symposium. The Company also initiated a Phase 1b combination trial with the epidermal growth factor receptor (EGFR) inhibitor, Tagrisso® (osimertinib) in non-small cell lung cancer. Initial safety and tolerability data from this trial were presented at the 2019 ESMO Congress. The Company is currently exploring partnering opportunities to continue to advance clinical development of lerociclib.

2. Basis of Presentation and Summary of Significant Accounting Policies

Basis of Presentation

The accompanying condensed financial statements of the Company have been prepared in accordance with generally accepted accounting principles in the United States of America ("U.S. GAAP"). In the opinion of management, the Company has made all necessary adjustments, which include normal recurring adjustments necessary for a fair statement of the Company's financial position and results of operations for the interim periods presented.

The information presented in the condensed financial statements and related notes as of March 31, 2020, and for the three months ended March 31, 2020 and 2019, is unaudited. The results for the three months ended March 31, 2020 are not necessarily indicative of the results expected for the full fiscal year or any future period. These interim financial statements should be read in conjunction with the financial statements and notes set forth in the Company's Annual Report on Form 10-K for the year ended December 31, 2019 filed with the SEC on February 26, 2020 (collectively, "2019 Form 10-K"). The December 31, 2019 condensed balance sheet included herein was derived from the audited financial statements as of that date, but does not include all disclosures, including notes, required by U.S. GAAP for complete financial statements.

Use of estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and the accompanying notes. On an ongoing basis, the Company's management evaluates its estimates which include, but are not limited to, estimates related to accrued expenses, accrued external clinical costs, stock-based compensation expense and deferred tax asset valuation allowance. The Company bases its estimates on historical experience and other market specific or other relevant assumptions it believes to be reasonable under the circumstances. Actual results could differ from those estimates.

Research and Development

Research and development expenses consist of costs incurred to further the Company's research and development activities and include salaries and related employee benefits, manufacturing of pharmaceutical active ingredients and drug products, costs associated with clinical trials, nonclinical activities, regulatory activities, research-related overhead expenses and fees paid to expert consultants, external service providers and contract research organizations which conduct certain research and development activities on behalf of the Company. Costs incurred in the research and development of products are charged to research and development expense as incurred.

Each reporting period, management estimated and accrued research and development expenses, including external clinical study costs associated with clinical trial activities. The process of estimating and accruing expenses involves reviewing contracts and purchase orders, identifying services that have been provided on the Company's behalf, and estimating the level of service performed and the associated cost incurred for the service when the Company has not yet been invoiced or otherwise notified of the actual costs.

Costs for clinical trial activities were estimated based on an evaluation of vendors' progress towards completion of specific tasks, using data such as patient enrollment, clinical site activations or information provided by vendors regarding their actual costs incurred. Payments for these activities are based on the terms of individual contracts and payment timing may differ significantly from the period in which the services were performed. The Company determines accrual estimates through reports from and discussions with applicable personnel and outside service providers as to the progress or state of completion of trials, or the services completed. The estimates of accrued external clinical study costs as of each balance sheet date are based on the facts and circumstances known at the time.

Income taxes

The Company did not record a federal or state income tax benefit for the three months ended March 31, 2020 due to its conclusion that a full valuation allowance is required against the Company's deferred tax assets.

Income taxes are accounted for using the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to temporary differences between the financial statements carrying amounts of assets and liabilities and their respective tax bases, operating loss carryforwards, and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date.

In accordance with Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 740, *Accounting for Income Taxes*, the Company reflects in the financial statements the benefit of positions taken in a previously filed tax return or expected to be taken in a future tax return only when it is considered 'more-likely-than-not' that the position taken will be sustained by a taxing authority. As of March 31, 2020 and December 31, 2019, the Company had no unrecognized income tax benefits and correspondingly there is no impact on the Company's effective income tax rate associated with these items. The Company's policy for recording interest and penalties relating to uncertain income tax positions is to record them as a component of income tax expense in the accompanying statements of operations. As of March 31, 2020 and December 31, 2019, the Company had no such accruals.

Stock-Based Compensation

The primary type of stock-based payments utilized by the Company are stock options. The Company accounts for stock-based employee compensation arrangements by measuring the cost of employee services received in exchange for all equity awards granted based on the fair value of the award on the grant date. The fair value of each employee stock option is estimated on the date of grant using an options pricing model. The Company currently uses the Black-Scholes valuation model to estimate the fair value of its share-based payments. The model requires management to make a number of assumptions including expected volatility, expected life, risk-free interest rate and expected dividends.

Coronavirus (COVID-19) impact on operations

The Company has implemented business continuity plans to address the COVID-19 pandemic and minimize disruptions to ongoing operations. The timeline for filing the trilaciclib NDA has not been impacted by COVID-19, and the Company expects to complete the NDA filing in the second quarter of 2020. Initiation of two clinical trials, the rintodestrant/palbociclib combination trial and the I-SPY 2 trial, is on track to begin in the second quarter of 2020. Initial enrollment of these trials is likely to be impacted by COVID-19. The Company does not anticipate significant supply chain delays or shortages as a result of the COVID-19 pandemic.

Recent Accounting Pronouncements

Recently Adopted Accounting Standards

In August 2018, the FASB issued ASU No. 2018-15, *Goodwill and Other—Internal-Use Software* (Subtopic 350-40): Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract ("ASU 2018-15"). The FASB issued ASU 2018-15 to align the requirements for capitalizing implementation costs incurred in a cloud-based hosting arrangement that is a service contract with the requirements for capitalizing implementation costs incurred to develop or obtain internal-use software (and hosting arrangements that include an internal-use software license). ASU 2018-15 became effective for annual and interim reporting periods beginning after December 15, 2019. The Company adopted ASU 2018-15 on January 1, 2020 using the prospective method of adoption, and the adoption did not have a material impact to the financial statements.

3. Fair Value Measurements

The Company provides disclosure of financial assets and financial liabilities that are carried at fair value based on the price that would be received upon sale of an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value measurements may be classified based on the amount of subjectivity associated with the inputs to fair valuation of these assets and liabilities using the following three levels:

Level 1	Inputs are unadjusted quoted prices in active markets for identical assets or liabilities that the Company has the ability to access at the measurement date.
Level 2	Inputs include quoted prices for similar assets and liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and inputs that are derived principally from or corroborated by observable market data by correlation or other means.
Level 3	Unobservable inputs that reflect the Company's estimates of the assumptions that market participants would use in pricing the asset or liability. The Company develops these inputs based on the best information available, including its own data.

The carrying amounts of cash, cash equivalents, accounts payable and accrued liabilities approximate fair value because of their short-term nature.

At March 31, 2020 and December 31, 2019 these financial instruments and respective fair values have been classified as follows (in thousands):

	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant other unobservable inputs (Level 3)	Balance at March 31, 2020
Assets				
Money market funds	$ 225,886	$ —	$ —	$ 225,886
Certificates of Deposit	15,942	—	—	15,942
Total assets at fair value:	$ 241,828	$ —	$ —	$ 241,828

	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant other unobservable inputs (Level 3)	Balance at December 31, 2019
Assets				
Money market funds	$ 252,563	$ —	$ —	$ 252,563
Certificates of Deposit	15,873	—	—	15,873
Total assets at fair value:	$ 268,436	$ —	$ —	$ 268,436

During the three months ended March 31, 2020 and the year ended December 31, 2019, there were no changes in valuation methodology.

4. Property and equipment

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

	March 31, 2020	December 31, 2019
Computer equipment	$ 330	$ 332
Laboratory equipment	865	871
Furniture and fixtures	1,071	1,071
Leasehold improvements	1,941	1,941
Accumulated depreciation	(836)	(677)
Property and equipment, net	$ 3,371	$ 3,538

Depreciation expense relating to property and equipment was $159 thousand for the three months ended March 31, 2020 and $64 thousand for the three months ended March 31, 2019.

5. Patent license agreement

On November 23, 2016, the Company entered into a license agreement with the Board of Trustees of the University of Illinois (“the University”), which was amended on March 24, 2017. Pursuant to the license agreement, as amended, the University licensed patent rights to the Company, with rights of sublicense, to make, have made, use, import, sell and offer for sale products covered by certain patent rights owned by the University. The rights licensed to the Company are exclusive, worldwide, non-transferable rights, for all fields of use. Under the terms of the agreement the Company paid a one-time only, non-refundable license issue fee in the amount of $0.5 million which was charged to research and development expense in the fourth quarter of 2016.

The Company is also obligated to pay annual maintenance fees to the University. All annual minimum payments are fully creditable against any royalty payments made by the Company. Under the terms of the agreement, the Company must pay the University royalty percentage on all net sales of products and a share of sublicensing revenues. In addition, the University is eligible to receive milestone payments of up to $2.6 million related to the initiation and execution of clinical trials and the first commercial sale of a product in another country. To date, the Company has made milestone payments totaling $0.6 million, of which $0 was incurred during the first quarter of 2020. The Company will be responsible for any future patent prosecution costs that may arise.

The term of the license agreement will continue until the later of (i) the expiration of the last valid claim within the patent rights covering the product in such country, (ii) the expiration of market exclusivity in such country and (iii) the 10th anniversary of the first commercial sale in such country. The University may terminate the agreement in the event (i) the Company fails to pay any amount or make any report when required to be made and fails to cure such failure within thirty (30) days after receipt of notice from the University, (ii) is in breach of any provision of the agreement and fails to remedy within forty-five (45) days after receipt of notice, (iii) makes a report to the University under the agreement that is determined to be materially false, (iv) declares insolvency or bankruptcy or (v) takes an action that causes patent rights or technical information to be subject to lien or encumbrance and fails to remedy any such breach within forty-five (45) days of receipt of notice from the University. The Company may terminate the agreement at any time on written notice to the University at least ninety (90) days prior to the termination date specified in the notice. Upon expiration or termination of the agreement, all rights revert to the University.

6. Accrued expenses

Accrued expenses are comprised as follows (in thousands):

	March 31, 2020	December 31, 2019
Accrued external research	$ 2,216	$ 2,737
Accrued professional fees and other	1,914	1,487
Accrued external clinical study costs	7,596	7,996
Accrued compensation expense	956	3,183
Accrued expenses	$ 12,682	$ 15,403

7. Stockholders' Equity

Common Stock

The Company is authorized to issue 120.0 million shares of common stock. Holders of common stock are entitled to one vote per share. Holders of common stock are entitled to receive dividends, if and when, declared by the Company's Board of Directors.

Preferred Stock

The Company is authorized to issue 5.0 million shares of undesignated preferred stock in one or more series. As of March 31, 2020, no shares of preferred stock were issued or outstanding.

Shares Reserved for Future Issuance

The Company has reserved for future issuance the following number of shares of common stock:

	March 31, 2020 (unaudited)	December 31, 2019
Common stock options outstanding	6,766,589	5,744,036
Options available for grant under Equity Incentive Plans	1,187,072	938,738
	7,953,661	6,682,774

8. Stock-based Compensation

2011 Equity Incentive Plan

In March 2011, the Company adopted the 2011 Equity Incentive Plan (the "2011 Plan"). The 2011 Plan provided for the direct award or sale of the Company's common stock and for the grant of stock options to employees, directors, officers, consultants and advisors of the Company. The 2011 Plan was subsequently amended in August 2012, October 2013, February 2015, December 2015, April 2016 and November 2016 to allow for the issuance of additional shares of common stock. In connection with the adoption of the 2017 Plan (as defined below), the 2011 Plan was terminated and no further awards will be made under the 2011 Plan.

2017 Equity Incentive Plan

In May 2017, the Company adopted the 2017 Equity Incentive Plan (the "2017 Plan"). The 2017 Plan provided for the direct award or sale of the Company's common stock and for the grant of up to 1,932,000 stock options to employees, directors, officers, consultants and advisors of the Company. The 2017 Plan provides for the grant of incentive stock options, non-statutory stock options or restricted stock. Effective January 1, 2020, and in accordance with the "evergreen" provision of the 2017 plan, an additional 1,096,553 shares were made available for issuance.

Under both the 2011 Plan and the 2017 Plan, options to purchase the Company's common stock may be granted at a price no less than the fair market value of a share of common stock on the date of grant. The fair value shall be the closing sales price for a share as quoted on any established securities exchange for such grant date or the last preceding date for which such quotation exists. Vesting terms of options issued are determined by the Board of Directors or Compensation Committee of the Board. The Company's stock options vest based on terms in the stock option agreements. Stock options have a maximum term of ten years.

As of March 31, 2020, there were a total of 1,187,072 shares of common stock available for future issuance under the 2017 Plan.

Stock Option Expense

The Company recognizes compensation costs related to stock options granted to employees based on the estimated fair value of the awards on the date of grant, net of estimated forfeitures. The grant date fair value of the stock-based awards is generally recognized on a straight-line basis over the requisite service period, which is generally the vesting period of the respective awards. Share-based awards granted to non-employee directors as compensation for serving on the Company's Board of Directors are accounted for in the same manner as employee share-based compensation awards.

During the three months ended March 31, 2020, the Company recorded employee share-based compensation expense of $4.7 million. During the three months ended March 31, 2019, the Company recorded employee share-based compensation expense of $3.7 million.

The Company recognizes compensation costs related to stock options granted to non-employees based on the estimated fair value of the awards on the date of grant in the same manner as employees. During the three months ended March 31, 2020, the Company did not have any non-employee share-based compensation expense. During the three months ended March 31, 2019, the Company recorded non-employee share-based compensation expense of $0.1 million.

The Company calculates the fair value of stock options using the Black-Scholes option pricing model. The Black-Scholes option-pricing model requires the use of subjective assumptions, including the expected volatility of the Company's common stock, the assumed dividend yield, the expected term of the Company's stock options and the fair value of the underlying common stock on the date of grant.

Stock options— Black-Scholes inputs

The fair value of stock options was estimated using the following weighted-average assumptions for the three months ended March 31, 2020 and March 31, 2019:

	Three Months Ended March 31,	
	2020	2019
	(unaudited)	
Expected volatility	74.8 - 78.3%	77.8 - 82.1%
Weighted-average risk free rate	0.4 - 1.7%	2.5 - 2.6%
Dividend yield	—%	—%
Expected term (in years)	6.06	6.08

The table below summarizes the stock-based compensation expense recognized in the Company's statement of operations by classification (in thousands):

	Three Months Ended March 31,	
	2020	2019
	(unaudited)	
Research and development	$ 1,800	$ 1,494
General and administrative	2,927	2,310
Total stock-based compensation expense	$ 4,727	$ 3,804

Stock Option Activity

Stock option activity for the three months ended March 31, 2020 is as follows:

	Options outstanding	Weighted average exercise price	Weighted average Remaining contractual life (Years)	Weighted average Aggregate intrinsic value (in thousands)
Balance as of December 31, 2019	5,744,036	$ 16.88	7.5	$ 72,251
Cancelled	(247,818)	$ 33.67		
Granted	1,396,037	18.67		
Exercised	(125,666)	1.74		
Balance as of March 31, 2020	6,766,589	$ 16.92	7.8	$ 19,809
Exercisable at December 31, 2019	3,001,179	8.93	6.1	$ 58,797
Vested at December 31, 2019 and expected to vest	5,744,036	16.88	7.5	$ 72,251
Exercisable at March 31, 2020	3,260,268	10.60	6.2	$ 19,545
Vested at March 31, 2020 and expected to vest	6,766,589	16.92	7.8	$ 19,809

9. Net loss per common share

Basic net loss per common share is computed using the weighted average number of common shares outstanding during the period including nominal issuances of common stock warrants. Diluted net loss per common share is computed using the sum of the weighted average number of common shares outstanding during the period and, if dilutive, the weighted average number of potential shares of common stock, including the assumed exercise of stock options, stock warrants and unvested restricted common stock. For the three months ended March 31, 2020 and 2019, the following potentially dilutive securities have been excluded from the computations of diluted weighted-average shares outstanding because the effect would be anti-dilutive:

	Three Months Ended March 31,	
	2020	2019
	(unaudited)	
Stock options issued and outstanding	6,276,155	5,156,076
	6,276,155	5,156,076

Amounts in the table above reflect the common stock equivalents of the noted instruments.

10. Related party transactions

The Company maintains a consulting agreement with a member of the Board of Directors for scientific advisory services outside of his role on the Board of Directors that expires on June 30, 2020.

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

You should read the following discussion and analysis of our financial condition and results of operations together with our financial statements and related notes included elsewhere in this quarterly report. This discussion and other parts of this quarterly report contain forward-looking statements that involve risk and uncertainties, such as statements of our plans, objectives, expectations and intentions. As a result of many factors, including those factors set forth in the "Risk Factors" section of our 2019 Form 10-K, our actual results could differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis.

Overview

We are a clinical-stage biopharmaceutical company focused on the discovery, development and commercialization of novel small molecule therapeutics for the treatment of patients with cancer. Our product portfolio is built on a drug discovery platform that targets key cellular pathways with proprietary medicinal chemistry. Our therapies are designed to improve outcomes for patients across multiple oncology indications.

Product Pipeline

We are advancing three clinical stage programs. Trilaciclib is a first-in-class therapy designed to improve outcomes for patients who are treated with chemotherapy. Rintodestrant is a potential best-in-class oral selective estrogen receptor degrader (SERD) for the treatment of ER+ breast cancer. Lerociclib is a differentiated oral CDK4/6 inhibitor designed to enable more effective combination treatment strategies across multiple oncology indications, including ER+, HER2- breast cancer. We also have discovery capabilities focused on cyclin-dependent kinase targets. We own the global rights to all of our product candidates.

G1 Therapeutics Product Pipeline

Candidate	Target	Method of Action (MOA)	Clinical Status	Global Rights
trilaciclib	CDK4/6	Short-acting intravenous CDK4/6 inhibitor Preserves HSPC and immune system function	NDA filing SCLC Phase 2 TNBC	
rintodestrant	Estrogen Receptor	Oral selective estrogen receptor degrader (SERD) Inhibits estrogen receptor driven tumor proliferation	Phase 1/2a	
lerociclib	CDK4/6	Oral CDK4/6 inhibitor Inhibits tumor proliferation and growth	Phase 1/2	

Trilaciclib: preserving bone marrow and immune system function during chemotherapy and improving patient outcomes

Chemotherapy is an effective and important weapon against cancer. However, chemotherapy does not differentiate between healthy cells and cancer cells and kills both, including important stem cells in the bone marrow (hematopoietic stem and progenitor cells, or HSPCs) that produce white blood cells, red blood cells and platelets, and immune cells. This chemotherapy-induced bone marrow damage is known as myelosuppression. When white blood cells, red blood cells and platelets become depleted, chemotherapy patients are at increased risk of infection, experience anemia and fatigue, and are at increased risk of bleeding. Myelosuppression often requires the administration of rescue interventions such as growth factors and blood or platelet transfusions and may also result in chemotherapy dose delays and reductions. Immune cell damage may decrease the ability of the immune system to fight the cancer, as well as infection.

Trilaciclib is a first-in-class therapy designed to preserve bone marrow and immune system function during chemotherapy and improve patient outcomes. Our randomized clinical trials have demonstrated that trilaciclib can provide myelopreservation benefits (i.e. reduction of chemotherapy-induced myelosuppression effects) and, in certain settings, trilaciclib has the potential to improve survival. It is a short-acting CDK4/6 inhibitor that is administered intravenously prior to chemotherapy.

In preclinical studies, administration of trilaciclib prior to chemotherapy has been shown to induce transient cell-cycle arrest of HSPCs, protect HSPCs from chemotherapy-induced damage, preserve bone marrow and immune system function, protect against bone marrow exhaustion, improve complete blood counts (CBC) recovery, prevent myeloid skewing and consequent lymphopenia, and enhance T-cell effector function in the tumor microenvironment.

Following evaluation of trilaciclib in a Phase 1 trial in healthy volunteers, we initiated two Phase 1b/2 trials in patients with extensive-stage small cell lung cancer (SCLC); one in a first-line setting (in combination with carboplatin/etoposide) and the other in a second/third-line setting (in combination with topotecan). Enrollment in both trials has been completed and preliminary data from the open label Phase 1b segment were reported in 2016 and 2017. In the Phase 1b segments of these two trials, we treated 51 patients with over 250 cycles of trilaciclib and chemotherapy. There were no episodes of febrile neutropenia – one of the most common adverse consequences of these chemotherapy regimens. Further, there were no drug-related serious adverse events reported during the Phase 1b segments of these two trials. There were some adverse events reported involving fatigue and cytopenias, but those adverse events were less severe and less frequent than those generally reported in trials involving the use of chemotherapy alone.

Based on these encouraging preliminary data, we advanced both SCLC trials into the randomized, placebo-controlled, double-blind Phase 2 segment. Enrollment in the first-line SCLC Phase 2 trial was completed in the second quarter of 2017 and positive multi-lineage myelopreservation results were reported in March 2018, with additional data reported at the European Society for Medical Oncology (ESMO) 2018 Congress and published in Annals of Oncology in 2019. Enrollment in the second-/third-line SCLC Phase 2 trial was completed in the second quarter of 2018, with positive multi-lineage myelopreservation data reported in the fourth quarter of 2018 and full data presented at an oral session at the American Society of Clinical Oncology (ASCO) 2019 Annual Meeting.

Our third trial in SCLC was initiated in 2017, as part of our non-exclusive collaboration with Genentech, with the goal of exploring the use of trilaciclib in combination with chemotherapy and a checkpoint inhibitor. The trial was a randomized, placebo-controlled, double-blind Phase 2 trial of trilaciclib in combination with Tecentriq® (atezolizumab)/carboplatin/etoposide in first-line SCLC patients. We completed enrollment in February 2018 and reported positive multi-lineage myelopreservation data in November 2018. Additional data, including myelopreservation and anti-tumor efficacy findings (as measured by overall survival, or “OS”), were reported at the 2019 ESMO Congress.

All three SCLC trials demonstrated that trilaciclib, when added to standard of care chemotherapy or chemotherapy/checkpoint inhibitor regimens, prevents or mitigates clinically significant chemotherapy-induced myelosuppression. The U.S. Food and Drug Administration (FDA) has granted Breakthrough Therapy Designation for trilaciclib based on myelopreservation data from our three randomized, double-blind, placebo-controlled SCLC clinical trials, as well as safety data collected across all completed and ongoing clinical trials. The Breakthrough Therapy program is designed to expedite development and review of drugs intended for serious or life-threatening conditions. Based on written feedback from our pre-New Drug Application (NDA) meeting with the FDA, we began a rolling NDA submission for trilaciclib for myelopreservation in SCLC in the fourth quarter of 2019 and expects to complete the NDA submission in the second quarter of 2020. Discussions with European regulatory authorities have indicated existing data is sufficient to support a Marketing Authorization Application (MAA) to the European Medicines Agency (EMA) for trilaciclib for myelopreservation in SCLC, which we plan to pursue in collaboration with a partner.

Trilaciclib is also being evaluated in patients with breast cancer. In 2017, we initiated a randomized Phase 2 trial of trilaciclib in patients with first-/second-/third-line metastatic triple-negative breast cancer (mTNBC) receiving gemcitabine and carboplatin. Enrollment was completed in the second quarter of 2018. At the December 2018 San Antonio Breast Cancer Symposium (SABCS), we presented preliminary trilaciclib data demonstrating improvement in progression-free survival (PFS). In September 2019, we presented updated data demonstrating significant improvement in OS (preliminary). Though the trial did not meet the primary myelopreservation endpoints, patients receiving trilaciclib were able to receive approximately 50% more cycles of chemotherapy, without additional hematological toxicity. These data were presented at the 2019 ESMO Congress, and were concurrently published in The Lancet Oncology. In January 2020, we announced that trilaciclib will be included in a new randomized, investigational treatment arm for the ongoing I-SPY 2 TRIAL™ for neoadjuvant treatment of locally advanced breast cancer. The trial, run by the non-profit Quantum Leap Healthcare Collaborative, is designed to rapidly screen promising experimental treatments and identify those most effective in specific patient subgroups based on molecular characteristics (biomarker signatures). Enrollment is expected to begin in the second quarter of 2020.

As part of our strategy to evaluate the potential benefits of trilaciclib to patients with other tumors that are treated with chemotherapy, we are planning a registrational trial in colorectal cancer. We met with the FDA in the second quarter of 2020 for a pre-Phase 3 meeting and are planning to initiate a randomized, placebo-controlled registrational trial of trilaciclib in colorectal cancer in the fourth quarter of 2020.

Rintodestrant: Our oral SERD

Rintodestrant is a potential first/best in-class oral SERD, which we plan to initially develop as a monotherapy and in combination with CDK4/6 inhibitors, initially Ibrance® (palbociclib), for the treatment of ER+, HER2- breast cancer. Based on compelling preclinical efficacy and safety data, we filed an Investigational New Drug application (IND) with the FDA in the fourth quarter of 2017. In 2018, we initiated a Phase 1/2a (dose escalation/dose expansion) clinical trial in ER+, HER2- breast cancer. Preliminary data from the Phase 1 portion of this trial were presented at the ESMO 2019 Congress, showing that rintodestrant was well tolerated and demonstrated evidence of anti-tumor activity in heavily pre-treated patients. We have completed enrollment of the dose escalation and dose expansion portions of the trial, and based on findings we plan to advance a 800 mg dose of rintodestrant in future trials. We plan to present additional safety and efficacy data from this trial in the fourth quarter of 2020. We expect to initiate enrollment of patients receiving rintodestrant in combination with palbociclib in the second quarter of 2020. Palbociclib is being provided under a non-exclusive clinical supply agreement that we signed with Pfizer in February 2020.

Lerociclib: Our differentiated CDK4/6 inhibitor for patients with CDK4/6-dependent tumors

Lerociclib is a differentiated oral CDK4/6 inhibitor being developed for use in combination with other targeted therapies in multiple oncology indications, including ER+, HER2- breast cancer. We rationally designed lerociclib to improve upon and address the shortcomings of the approved CDK4/6 inhibitors Ibrance® (palbociclib), Kisqali® (ribociclib) and Verzenio® (abemaciclib), with fewer dose-limiting toxicities and potential for less frequent blood count monitoring. Our preclinical data and early clinical data indicate the potential for continuous daily dosing, less dose-limiting neutropenia, and improved tolerability. A Phase 1 trial of lerociclib in 75 healthy volunteers showed a favorable safety profile, and we reported encouraging preliminary Phase 1b data from our Phase 1/2 trial in ER+, HER2- breast cancer (in combination with fulvestrant) at the ASCO 2018 Annual Meeting. Additional data from this trial were presented at 2019 the San Antonio Breast Cancer Symposium. We also initiated a Phase 1b combination trial with the epidermal growth factor receptor (EGFR) inhibitor, Tagrisso® (osimertinib) in non-small cell lung cancer. Initial safety and tolerability data from this trial were presented at the ESMO 2019 Congress. We are currently exploring partnering opportunities to continue to advance clinical development of lerociclib.

Coronavirus (COVID-19) impact on operations

We have implemented business continuity plans to address the COVID-19 pandemic and minimize disruptions to ongoing operations. The timeline for filing the trilaciclib NDA has not been impacted by COVID-19, and we expect to complete the NDA filing in the second quarter of 2020. Initiation of two clinical trials, the rintodestrant/palbociclib combination trial and the I-SPY 2 trial, is on track to begin in the second quarter of 2020. Initial enrollment of these trials is likely to be impacted by COVID-19. We do not anticipate significant supply chain delays or shortages as a result of the COVID-19 pandemic.

Financial Overview

Since our inception in 2008, we have devoted substantially all of our resources to synthesizing, acquiring, testing and developing our product candidates, including conducting preclinical studies and clinical trials and providing general and administrative support for these operations as well as securing intellectual property protection for our product candidates. We do not have any products approved for sale and have not generated any revenues from product sales. We recorded $0 of revenue for the three months ended March 31, 2020 and the year ended December 31, 2019. To date, we have financed our operations primarily through the sale of equity securities.

As of March 31, 2020, we had cash and cash equivalents of $242.4 million. Since inception we have incurred net losses. As of March 31, 2020, we had an accumulated deficit of $367.9 million. Substantially all of our net losses have resulted from costs incurred in connection with our research and development programs and from general and administrative expenses associated with our operations. We expect to continue to incur significant expenses and increasing operating losses over at least the foreseeable future. We expect our expenses will increase substantially in connection with our ongoing and future activities as we:

- continue development of our product candidates, including initiating additional clinical trials of trilaciclib, rintodestrant, and lerociclib;
- identify and develop new product candidates;
- seek marketing approvals for our product candidates that successfully complete clinical trials;

- establish a sales, marketing and distribution infrastructure to commercialize any products for which we may obtain marketing approval;
- achieve market acceptance of our product candidates in the medical community and with third-party payors;
- maintain, expand and protect our intellectual property portfolio;
- hire additional personnel;
- enter into collaboration arrangements, if any, for the development of our product candidates or in-license other products and technologies;
- add operational, financial and management information systems and personnel, including personnel to support our product development and planned future commercialization efforts; and
- continue to incur increased costs as a result of operating as a public company.

License agreement with the University of Illinois

In November 2016, and as amended in March 2017, we entered into a license agreement with the Board of Trustees of the University of Illinois, ("the University"). Pursuant to the license agreement, as amended, the University licensed patent rights to us, with rights to sublicense, to make, have made, use, import, sell and offer for sale SERDs, including rintodestrant, covered by certain patent rights owned by the University. The rights licensed to us are exclusive, worldwide, non-transferable rights, for all fields of use. Under the terms of the agreement, as amended, we paid a one-time only, non-refundable upfront fee of $0.5 million, and are required to pay the University low single-digit royalties on all net sales of products and a share of any sublicensing revenues. We are also obligated to pay annual maintenance fees, which are fully creditable against any royalty payments made by us. In addition, we may also be required to pay the University milestone payments of up to an aggregate of $2.6 million related to the initiation and execution of clinical trials and the first commercial sale of a product and the first commercial sale of a product in another country. To date, we have made milestone payments totaling $0.6 million, of which $0 was incurred during the first quarter of 2020. We will also be responsible for any future patent prosecution costs that may arise.

Components of our Results of Operations

Research and Development Expenses

The largest component of our total operating expenses since inception has been research and development activities, including the preclinical and clinical development of our product candidates.

Research and development costs are expensed as incurred. Our research and development expense primarily consists of:

- salaries and personnel-related costs, including bonuses, benefits and any stock-based compensation, for our scientific personnel performing or managing out-sourced research and development activities;
- costs incurred under agreements with contract research organizations and investigative sites that conduct preclinical studies and clinical trials;
- costs related to manufacturing pharmaceutical active ingredients and drug products for preclinical studies and clinical trials;
- costs related to upfront and milestone payments under in-licensing agreements;
- fees paid to consultants and other third parties who support our product candidate development;
- other costs incurred in seeking regulatory approval of our product candidates; and
- allocated facility-related costs and overhead.

The successful development of our product candidates is highly uncertain. Product candidates in later stages of clinical development generally have higher development costs than those in earlier stages of clinical development, primarily due to the increased size and duration of later-stage clinical trials. Accordingly, we expect research and development costs to increase significantly for the foreseeable future as programs progress. However, we do not believe that it is possible at this time to accurately project total program-specific expenses through commercialization. We are also unable to predict when, if ever, material net cash inflows will commence from our product candidates to offset these expenses. Our expenditures on current and future preclinical and clinical development programs are subject to numerous uncertainties in timing and cost to completion. The duration, costs and timing of clinical trials and development of our product candidates will depend on a variety of factors including:

- the scope, rate of progress, and expenses of our ongoing as well as any additional clinical trials and other research and development activities;
- future clinical trial results;
- achievement of milestones requiring payments under our in-licensing agreements;
- uncertainties in clinical trial enrollment rates or drop-out or discontinuation rates of patients;
- potential additional studies requested by regulatory agencies;
- significant and changing government regulation; and
- the timing and receipt of any regulatory approvals.

We track research and development expenses on a program-by-program basis only for clinical-stage product candidates. Preclinical research and development expenses and chemical manufacturing research and development expenses are not assigned or allocated to individual development programs. In 2019, and the first quarter of 2020, we had three clinical-stage product candidates, trilaciclib, rintodestrant and lerociclib.

General and administrative expenses

General and administrative expenses consist of personnel costs, allocated expenses and other expenses for outside professional services, including legal, audit and accounting services. Personnel costs consist of salaries, bonuses, benefits and stock-based compensation. Other general and administrative expenses include facility-related costs not otherwise allocated to research and development expense, professional fees, pre-commercialization costs, expenses associated with obtaining and maintaining patents and costs of our information systems. We anticipate that our general and administrative expenses will continue to increase in the future as we increase our headcount to support our continued research and development and potential commercialization of our product candidates.

We expect to continue to incur additional general and administrative expenses in 2020 as we support continued research and development activities and support our operations in a public company environment, including expenses related to compliance with the rules and regulations of the SEC and Nasdaq, additional insurance expenses, and expenses related to investor relations activities, pre-commercialization costs and other administration and professional services.

Total other income, net

Total other income, net consists of interest income earned on cash and cash equivalents.

Results of operations

Comparison of the three months ended March 31, 2020 and March 31, 2019

	Three Months Ended March 31,		Change
	2020	2019	$
	(in thousands)		
Revenue	$ —	$ —	$ —
Operating Expenses:			
Research and Development	20,434	18,080	2,354
General and Administrative	11,387	7,801	3,586
Total Operating Expenses	31,821	25,881	5,940
Loss from Operations	(31,821)	(25,881)	(5,940)
Other Income	798	1,929	(1,131)
Net Loss	$ (31,023)	$ (23,952)	$ (7,071)

Revenue

Revenue was $0 for the three months ended March 31, 2020 and March 31, 2019.

Research and development

Research and development expenses were $20.4 million for the three months ended March 31, 2020 compared to $18.1 million for the three months ended March 31, 2019. The increase of $2.4 million, or 13%, was primarily due to an increase of $1.4 million in our clinical program costs, which reflects increased costs in our ongoing clinical trials, an increase in headcount related expense to support these trials, and costs associated with seeking regulatory approval for our product candidates. The increase in research and development expenses was also due to an increase of $1.5 million in costs for manufacturing of active pharmaceutical ingredient and drug product to support our clinical trials. The increase is partially offset by a decrease of $0.5 million in external costs related to discovery and preclinical development. The following table summarizes our research and development expenses allocated to trilaciclib, rintodestrant and lerociclib, and unallocated research and development expenses for the periods indicated:

	Three Months Ended March 31,	
	2020	2019
	(in thousands)	
Clinical Program Expenses—trilaciclib	$ 9,499	$ 8,853
Clinical Program Expenses—rintodestrant	2,371	922
Clinical Program Expenses—lerociclib	2,051	2,738
Chemical Manufacturing and Development	5,150	3,639
Discovery and Pre-Clinical Expenses	1,363	1,928
Total Research and Development Expenses	$ 20,434	$ 18,080

General and administrative

General and administrative expenses were $11.4 million for the three months ended March 31, 2020 compared to $7.8 million for the three months ended March 31, 2019. The increase of $3.6 million, or 46% was due to an increase of $1.5 million in personnel related costs due to increased headcount, of which $0.6 million related to non-cash stock compensation expense, an increase of $1.3 million in medical affairs costs related to trilaciclib, and an increase of $0.2 million in pre-commercialization activities, and an increase of $0.6 million in information technology, professional services, insurance and other administrative costs.

Total other income, net

Total other income, net was $0.8 million for the three months ended March 31, 2020 as compared to $1.9 million for the three months ended March 31, 2019. The decrease of $1.1 million was from lower balance of money market funds due to cash used in operating activities and changes in interest rates during the three months ended March 31, 2020 as compared to the three months ended March 31, 2019.

Liquidity and capital resources

We have incurred cumulative losses and negative cash flows from operations since our inception in 2008. As of March 31, 2020, we had an accumulated deficit of $367.9 million. We do not expect to generate substantial revenue from the commercial sale of our products in the foreseeable future and anticipate that we will continue to incur losses.

To date, we have funded our operations primarily through proceeds from our private placements of preferred stock and public offerings of our common stock. As of March 31, 2020, we had cash and cash equivalents of $242.4 million.

Follow-on offering

On March 12, 2018, we closed an underwritten public offering of 3,910,000 shares of common stock at a public offering price of $29.50 per share, including 510,000 shares of common stock issued upon exercise by the underwriters of their option to purchase additional shares. The gross proceeds from the offering were $115.3 million and net proceeds were $107.9 million, after deducting underwriting discounts and commissions and other offering expenses payable by us.

Shelf registration statement

On June 15, 2018, we filed an automatically effective shelf registration statement with the Securities and Exchange Commission. Each issuance under the shelf registration statement will require the filing of a prospectus supplement identifying the amount and terms of securities to be issued. The registration statement does not limit the amount of securities that may be issued thereunder. Our ability to issue securities is subject to market conditions and other factors.

At-the-market offering

On June 15, 2018, we entered into a Sales Agreement for an “at the market offering” arrangement with Cowen and Company, LLC (“Cowen”), which allows us to issue and sell shares of common stock pursuant to a shelf registration statement for total gross sales proceeds of up to $125.0 million from time to time through Cowen, acting as our agent. Between June 18, 2018 and August 2, 2018, we sold 752,008 shares of common stock pursuant to this agreement resulting in $36.1 million in net proceeds, realizing $12.1 million in the second quarter and the remaining $24.0 million by August 2, 2018. As of March 31, 2020, we have remaining authorization to sell up to $88.2 million under this sales agreement with Cowen.

Follow-on offering

On September 21, 2018, we closed on an underwritten public offering of 3,450,000 shares of our common stock at a public offering price of $60.00 per share, including 450,000 shares of common stock issued upon exercise by the underwriters of their option to purchase additional shares, pursuant to our shelf registration statement. The gross proceeds from the offering were $207.0 million and net proceeds were $194.9 million, after deducting underwriting discounts and commissions and other offering expenses payable by us.

Cash flows

The following table summarizes our cash flows for the periods indicated:

	Three Months Ended March 31,		Change
	2020	2019	$
	(in thousands)		
Net cash used in operating activities	$ (27,025)	$ (21,546)	$ (5,479)
Net cash used in investing activities	-	(216)	216
Net cash provided by financing activities	219	269	(50)
Net change in cash, cash equivalents and restricted cash	$ (26,806)	$ (21,493)	$ (5,313)

Net cash used in operating activities

During the three months ended March 31, 2020, net cash used in operating activities was $27.0 million which consisted primarily of a net loss of $31.0 million and a decrease in net operating assets and liabilities of $0.9 million, partially offset by non-cash stock compensation expense of $4.7 million and $0.2 million of depreciation expense.

During the three months ended March 31, 2019, net cash used in operating activities was $21.5 million, which consisted primarily of a net loss of $24.0 million and a decrease in operating assets and liabilities of $1.4 million, partially offset by non-cash stock compensation expense of $3.8 million and $0.1 million of depreciation expense.

Net cash used in operating activities increased by $5.5 million as compared to the three months ended March 31, 2019 due to an increase in research and development activity during the period and increased administrative costs.

Net cash used in investing activities

During the three months ended March 31, 2020, there was no cash used in investing activities.

During the three months ended March 31, 2019, net cash used in investing activities was $0.2 million related to the purchases of property and equipment.

Net cash provided by financing activities

During the three months ended March 31, 2020, net cash provided by financing activities was $0.2 million from the exercise of stock options.

During the three months ended March 31, 2019, net cash provided by financing activities was $0.3 million from the exercise of stock options.

Operating capital requirements and plan of operations

To date, we have not generated any revenue from product sales. We do not know when, or if, we will generate any revenue from product sales. We do not expect to generate significant revenue from product sales unless and until we obtain regulatory approval of and commercialize one of our current or future product candidates. We anticipate that we will continue to generate losses for the foreseeable future, and we expect the losses to increase as we continue the development of and seek regulatory approvals for our product candidates, and begin to commercialize any approved products. We are subject to all of the risks inherent in the development of new products, and we may encounter unforeseen expenses, difficulties, complications, delays and other unknown factors that may adversely affect our business. We expect to incur additional costs associated with operating as a public company and we anticipate that we will need substantial additional funding in connection with our continuing operations.

We believe that our existing cash and cash equivalents will be sufficient to fund our projected cash needs for at least the next 12 months. In order to complete the process of obtaining regulatory approval for our product candidates and to build the sales, marketing and distribution infrastructure that we believe will be necessary to commercialize our product candidates, if approved, we will require substantial additional funding.

We have based our projections of operating capital requirements on assumptions that may prove to be incorrect and we may use all of our available capital resources sooner than we expect. Because of the numerous risks and uncertainties associated with research, development and commercialization of pharmaceutical products, we are unable to estimate the exact amount of our operating capital requirements. Our future funding requirements will depend on many factors, including, but not limited to:

- the scope, progress, results and costs of nonclinical development, laboratory testing and clinical trials for our product candidates;
- the scope, prioritization and number of our research and development programs;
- the costs, timing and outcome of regulatory review of our product candidates;
- the extent to which we enter into non-exclusive, jointly funded clinical research collaboration arrangements, if any, for the development of our product candidates in combination with other companies' products;
- our ability to establish such collaborative co-development arrangements on favorable terms, if at all;
- the achievement of milestones or occurrence of other developments that trigger payments under our license agreement and any collaboration agreements into which we enter;
- the extent to which we are obligated to reimburse, or entitled to reimbursement of, clinical trial costs under future collaboration agreements, if any;
- the extent to which we acquire or in-license product candidates and technologies, such as rintodestrant, and the terms of such in-licenses;

- the costs of future commercialization activities, including product sales, marketing, manufacturing and distribution, for any of our product candidates for which we receive marketing approval;
- revenue, if any, received from commercial sales of our product candidates, should any of our product candidates receive marketing approval; and
- the costs of preparing, filing and prosecuting patent applications, maintaining and enforcing our intellectual property rights and defending intellectual property-related claims.

Until such time, if ever, as we can generate substantial revenues, we expect to finance our cash needs through a combination of equity offerings, debt financings, other third-party funding, marketing and distribution arrangements and other collaborations, strategic alliances and licensing arrangements. We do not have any committed external source of funds. To the extent that we raise additional capital through the sale of equity or convertible debt securities, our stockholders' ownership interest will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect your rights as a common stockholder. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. If we raise funds through additional collaborations, strategic alliances or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or to grant licenses on terms that may not be favorable to us. If we are unable to raise additional funds when needed, we may be required to delay, limit, reduce or terminate our product development or future commercialization efforts or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.

Contractual obligations, commitments and contingencies

There were no material changes in our commitments under contractual obligations, as disclosed in "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in our Annual Report on Form 10-K filed on February 26, 2020.

Off-Balance sheet arrangements

We did not have, during the periods presented, and we do not currently have, any off-balance sheet arrangements, as defined under applicable SEC rules.

Critical Accounting Policies and Significant Judgments and Estimates

Our management's discussion and analysis of our financial condition and results of operations is based on our financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America, or U.S. GAAP. The preparation of our financial statements requires us to make estimates, judgments, and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities as of the dates of the balance sheet, and the reported amount of expenses incurred during the reporting period. In accordance with U.S. GAAP, we evaluate our estimates and judgments on an ongoing basis. Our estimates are based on our historical experience and on various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

We believe that our accounting policies are critical to the process of making significant judgments and estimates in the preparation of our financial statements and understanding and evaluating our reported financial results. We discussed our accounting policies and significant assumptions used in our estimates in Note 2 of our audited financial statements included in our 2019 Form 10-K. There have been no material changes during the three months ended March 31, 2020 to our critical accounting policies, significant judgments and estimates disclosed in our 2019 Form 10-K.

Recent Accounting Pronouncements

See Note 2 to our unaudited condensed financial statements included in Item 1 of this Quarterly Report on Form 10-Q for recently issued accounting pronouncements, including respective adoption dates and the potential impact on our financial statements.

Item 3. Quantitative and Qualitative Disclosures About Market Risk.

We are exposed to market risks in the ordinary course of our business. These risks primarily include interest rate sensitivities, which are affected by changes in the general level of U.S. interest rates. We had cash and cash equivalents of $242.4 million as of March 31, 2020, which consists of deposits in banks, including checking accounts, money market accounts and certificates of deposit. Such interest-earning instruments carry a degree of interest rate risk; however, historical fluctuations in interest income have not been significant. Due to the short-term nature of our cash equivalents, a sudden change in interest rates would not be expected to have a material effect on our business, financial condition or results of operations. We had no outstanding debt as of March 31, 2020.

We are not currently exposed to significant market risk related to changes in foreign currency exchange rates; however, our operations may be subject to fluctuations in foreign currency exchange rates in the future.

Inflation generally affects us by increasing our cost of labor. We do not believe that inflation had a material effect on our business, financial condition or results of operations during the three months ended March 31, 2020.

Item 4. Controls and Procedures.

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as of March 31, 2020. The term “disclosure controls and procedures,” as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, or the Exchange Act, means controls and other procedures of a company that are designed to ensure that information required to be disclosed by the company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Securities and Exchange Commission’s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the company’s management, including its principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. Our management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives and our management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Based on the evaluation of our disclosure controls and procedures as of March 31, 2020, our principal executive officer and our principal financial officer concluded that, as of such date, our disclosure controls and procedures were effective at the reasonable assurance level.

Change in Internal Controls

There were no changes in our internal control over financial reporting that occurred during our most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II—OTHER INFORMATION

Item 1A. Risk Factors.

"Item 1A. Risk Factors" of our 2019 Form 10-K includes a discussion of our risk factors. The information presented below updates, and should be read in conjunction with, the risk factors and information disclosed in our Form 10-K. Except as presented below, there have been no material changes from the risk factors described in our Form 10-K.

We face risks related to health epidemics and outbreaks, including the novel coronavirus (COVID-19), which could significantly disrupt our preclinical studies and clinical trials.

In December 2019, a novel strain of coronavirus (COVID-19) surfaced in Wuhan, China and in March 2020, in an effort to halt the outbreak of COVID-19, the United States placed significant restrictions on travel and many businesses have announced extended closures which could adversely impact our operations. The duration and the geographic impact of the business disruption and related financial impact resulting from the COVID-19 pandemic cannot be reasonably estimated at this time and our business could be adversely impacted by the effects of the COVID-19 pandemic. Initial enrollment of patients the planned rintodestrant/palbociclib combination clinical trial and the I-SPY 2 clinical trial, will likely be delayed due to the outbreak of COVID-19. In addition, we rely on independent clinical investigators, contract research organizations and other third-party service providers to assist us in managing, monitoring and otherwise carrying out our nonclinical studies and clinical trials, and the outbreak may affect their ability to devote sufficient time and resources to our programs. We also rely on third party suppliers and contract manufacturers to produce the drug product we utilize in our clinical trials. Although we do not anticipate significant supply chain delays or shortages as a result of the COVID-19 pandemic at this time, the outbreak may cause delays in delivery of APIs and drug product. Temporary closure of our facilities, or facilities at which our clinical trials or nonclinical studies are conducted, or restrictions on the ability of our employees, clinicians or patients enrolled in our trials to travel could adversely affect our operations and our ability to conduct and complete our nonclinical studies and clinical trials. As a result of the foregoing factors, the expected timeline for data readouts of our clinical trials may be negatively impacted, which would adversely affect our business.

In addition, the FDA's ability to engage in routine regulatory and oversight activities, such as the review and clearance or approval of new products, may be affected by the COVID-19 pandemic. The FDA and other regulatory authorities may have slower response times or be under-resourced. If the global health concerns continue to disrupt or prevent the FDA or other regulatory authorities from conducting their regular reviews, inspections, or other regulatory activities, it could significantly impact the ability of the FDA or other regulatory authorities to timely review and process our marketing applications, clinical trial authorizations, or other regulatory submissions, which could have a material adverse effect on our business.

The full extent to which COVID-19 impacts our business will depend on future developments, which are highly uncertain and cannot be predicted, including new information which may emerge concerning the severity of COVID-19 and the actions to treat or contain COVID-19 or to otherwise limit its impact.

Item 5. Other information.

On May 4, 2020, Sir Andrew Witty, a member of the board of directors, notified the Company of his decision to retire from the board, effective as of May 4, 2020. Sir Andrew recently took a leave as CEO of Optum to co-lead the global effort of the World Health Organization (WHO) to accelerate the development of a COVID-19 vaccine. Sir Andrew served on the Nominating and Corporate Governance Committee of the Company. Sir Andrew's resignation does not involve any disagreement on any matter relating to the Company's operations, policies or practices.

Item 6. Exhibits.

Exhibit Number	Description
10.1*†	Employment Agreement by and between the Registrant and Soma Gupta dated March 12, 2020.
10.2*†	Inducement Grant Option Agreement by and between the Registrant and Soma Gupta dated March 31, 2020.
31.1*	Certification of Principal Executive Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2*	Certification of Principal Financial Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1*	Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2*	Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS	Inline XBRL Instance Document
101.SCH	Inline XBRL Taxonomy Extension Schema Document
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)XBRL Taxonomy Extension Presentation Linkbase Document

* Filed herewith.

† Indicates management contract or compensatory plan or arrangement.

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.

G1 THERAPEUTICS, INC.

Date: May 6, 2020

By: */s/ Jennifer K. Moses*

Jennifer K. Moses
Chief Financial Officer (Principal Financial and Accounting Officer)

Exhibit 10.1

EMPLOYMENT AGREEMENT

This EMPLOYMENT AGREEMENT (the "**Agreement**"), is made and entered into effective as of March 12, 2020 (the "**Effective Date**"), by and between G1 Therapeutics, Inc., a Delaware corporation (the "**Company**"), and Soma Gupta ("**Employee**").

1. EMPLOYMENT; DUTIES. The Company agrees to employ Employee as its Chief Commercial Officer, and Employee agrees to accept such employment upon the terms and conditions hereinafter set forth. Employee will perform such services for the Company as are customarily associated with such position and as may otherwise be assigned to the Employee from time to time by the Company's Chief Executive Officer. Employee will devote Employee's full business time and attention to the business and affairs of the Company, and will perform Employee's duties diligently and to the best of Employee's ability, in compliance with the Company's policies and procedures and the laws and regulations that apply to the Company's business. Notwithstanding the foregoing, it will not be a violation of this Agreement for Employee to serve as a director of any company whose products do not compete with those of the Company and to serve as director, trustee, officer, or consultant to a charitable of non-profit entity; provided that: (a) such service does not adversely affect Employee's compliance with her obligations under this Agreement, including but not limited to her devotion of full business time and attention to the business and affairs of the Company and her compliance with her Employee Non-Competition and Non-Solicitation Agreement and Employee Confidentiality and Inventions Agreement; and (b) Employee provides written notification of each such service to the Company.

2. TERM; TERMINATION. Employee's employment under this Agreement will commence on March 31, 2020 (the "**Start Date**") and will continue until terminated by either party. Employee's employment with the Company is at-will, and either party can terminate the employment relationship and/or this Agreement at any time, for any or no cause or reason, and with or without prior notice, subject to the applicable terms of Section 4. Upon termination of Employee's employment by either party for any reason, Employee will resign Employee's position(s), if any, as an officer or director of the Company, as a member of the Company's Board of Directors (the "**Board**") and any Board committees, as well as any other positions Employee may hold with or for the benefit of the Company and/or its affiliates.

3. COMPENSATION. As compensation for the services to be rendered by Employee under this Agreement, the Company will provide the following compensation and benefits during Employee's employment hereunder.

(a) BASE SALARY. The Company will pay Employee a base salary (the "**Base Salary**") at an annual rate of Four Hundred and Twenty-Five Thousand Dollars ($425,000), payable in equal installments in accordance with the Company's customary payroll practices as in effect from time to time. The Base Salary may be reviewed from time to time by the Company and may be increased in the sole discretion of the Company. The Base Salary may also be decreased in connection with any Company-wide decrease in executive compensation.

(b) ANNUAL BONUS. Employee will be eligible to receive an annual calendar year bonus based upon Employee's and the Company's achievement of certain individual and Company goals that will be set for Employee by the Board or its designee (the

"**Annual Bonus**"). The amount of the target Annual Bonus will be equal to thirty-five percent (35%) of Employee's then-current Base Salary as of the date of the payment; provided that the actual amount of the Annual Bonus may be greater or less than such target amount. The Board or its designee will have the sole discretion to set the applicable individual and Company goals, to determine whether the goals have been met, and to determine the amount of the Annual Bonus. The Annual Bonus for any given year, if any is earned, will be paid in accordance with, and subject to, the Company's policies and procedures in effect from time to time. Employee must be employed by the Company on December 31 of the bonus year in order to receive the Annual Bonus for that year.

(c) STOCK OPTIONS. Effective on Start Date, Employee will be granted stock options to purchase 300,000 shares of the Company's common stock (the "**Options**") at a per share exercise price equal to the fair market value of the Company's common stock on the date of grant. The Options will be an inducement material to you joining the Company, pursuant to Rule 5635(c)(4) of the Nasdaq Listed Company Manual and will be further subject to the terms of a stock option agreement as approved by the Board setting forth the exercise price, vesting conditions and other restrictions. One fourth (1/4th) of the total number of such Options will vest on the first anniversary of the date hereof, and one forty-eighth (1/48th) of the total number of Options will vest each month over the following thirty-six (36) months thereafter, so long as Employee remains employed by the Company through each such vesting date. Fifty percent (50%) of any unvested Options will vest immediately prior to, and subject to, the consummation of a Change in Control (as defined below) and, subject to Employee's execution of the release of claims described in Section 4(b), any remaining unvested Options will immediately vest if Employee's employment is terminated by the Company without Cause (as defined below) or Employee resigns with Good Reason (as defined below) within ninety (90) days following a Change in Control. A "**Change in Control**" means (i) the Company's merger or consolidation with or into another entity such that the stockholders of the Company prior to such transaction do not or are not expected to own a majority of the voting stock of the surviving entity, (ii) the sale or other disposition of all or substantially all of the assets of the Company, or (iii) the sale or other disposition of greater than fifty percent (50%) of the then-outstanding voting stock of the Company by the holders thereof to one or more persons or entities who are not then stockholders of the Company.

(d) VACATION. Employee will be eligible for paid vacation time off in accordance with, and subject to, the Company's policies and procedures in effect from time to time.

(e) BENEFITS. Employee will (subject to applicable eligibility requirements) receive such other benefits as are provided from time to time to other similarly-situated employees of the Company pursuant to the Company's policies and procedures as they may be instituted from time to time. All such benefits are subject to the provisions of their respective plan documents in accordance with their terms. Employee acknowledges and agrees that the Company has the unilateral right to amend, modify or terminate its employee benefit plans or policies to the maximum extent allowed by law.

(f) EXPENSE REIMBURSEMENT. The Company will reimburse Employee for all reasonable business expenses incurred by Employee in connection with the performance of Employee's duties hereunder, subject to Employee's compliance with the Company's reimbursement policies in effect from time to time. All reimbursements provided under this Agreement will be made or provided in accordance with the requirements of Section 409A of the Internal Revenue Code and the rules and regulations thereunder including, where applicable, the requirement that (i) any reimbursement is for expenses incurred during Employee's lifetime (or during a shorter period of time specified in this Agreement); (ii) the amount of expenses eligible for reimbursement during a calendar year may not affect the expenses eligible for reimbursement in any other calendar year; (iii) the reimbursement of an eligible expense shall be made no later than the last day of the calendar year following the year in which the expense is incurred; and (iv) the right to reimbursement or in kind benefits is not subject to liquidation or exchange for another benefit.

(g) WITHHOLDINGS. The Company will withhold from any amounts payable under this Agreement, such federal, state and local taxes, as the Company reasonably determines are required to be withheld pursuant to applicable law.

(h) RELOCATION. To assist with relocation to North Carolina, the Company will pay Employee One Hundred Thousand Dollars ($100,000) for the reasonable expenses incurred in relocating Employee and Employee's family from Employee's existing residence to a new residence in the Raleigh/Durham area(the "Relocation Assistance Payment"). The Relocation Assistance Payment will be paid on your second regularly scheduled payroll date on March3 l, 2020, provided that Employee must be employed by the Company on the payment date in order to receive such payment. In exchange for the Company covering relocation expenses, should Employee leave the Company for any reason other than death, disability or termination without Cause within twelve (12) months of the Start Date, Employee will be responsible for repayment of one hundred percent (100%) of the Relocation Assistance Payment. All such repayment will be due in full within thirty (30) days of Employee's separation from the Company.

4. EFFECT OF TERMINATION.

(a) GENERALLY. When Employee's employment with the Company is terminated for any reason, Employee, or Employee's estate, as the case may be, will be entitled to receive the compensation and benefits earned through the effective date of termination, along with reimbursement for any approved business expenses that Employee has timely submitted for reimbursement in accordance with the Company's expense reimbursement policy or practice.

(b) SEPARATION BENEFITS UPON CERTAIN TERMINATIONS. If the Company terminates Employee's employment without Cause (as defined below), or if Employee resigns Employee's employment for Good Reason (as defined below), then conditioned upon Employee executing a Release (as defined below) following such termination, Employee will be entitled to receive an amount equal to payment of Employee's then-current Base Salary for a period of twelve (12) months (the "**Separation Benefits**"). The Separation Benefits are conditioned upon Employee executing a release of claims in a form satisfactory to the Company

(the "**Release**") within the time specified therein, which Release is not revoked within any time period allowed for revocation under applicable law. The Separation Benefits will be payable to Employee over time in accordance with the Company's payroll practices and procedures beginning on the sixtieth (60th) day following the termination of Employee's employment with the Company, provided that the Company, in its sole discretion, may begin the payments earlier. For avoidance of doubt, the termination of Employee's employment as a result of Employee's death or disability (meaning the inability of Employee, due to the condition of Employee's physical, mental or emotional health, effectively to perform the essential functions of Employee's job with or without reasonable accommodation for a continuous period of more than 90 days or for 90 days in any period of 180 consecutive days, as determined by the Board in its sole discretion in consultation with a physician retained by the Company) will not constitute a termination without Cause triggering the rights described in this Section 4(b).

(c) CAUSE. For purposes of this Agreement, "**Cause**" means: (i) Employee's fraud, embezzlement or misappropriation with respect to the Company; (ii) Employee's material breach of fiduciary duties to the Company; (iii) Employee's willful or negligent misconduct; (iv) Employee's material breach of this Agreement; (v) Employee's willful failure or refusal to perform Employee's material duties under this Agreement or failure to follow any specific lawful instructions of the Company; (vi) Employee's conviction or plea of nolo contendere in respect of a felony or of a misdemeanor involving moral turpitude; (vii) Employee's alcohol or substance abuse which has a material adverse effect on Employee's ability to perform Employee's duties under this Agreement; or (viii) Employee's engagement in a form of discrimination or harassment prohibited by law (including, without limitation, discrimination or harassment based on race, color, religion, sex, national origin, age or disability). In the event that the Company concludes that Employee has engaged in acts constituting in Cause as defined in clause (iii), (iv), (v), or (vii) above, prior to terminating this Agreement for Cause the Company will provide Employee with at least fifteen (15) days' advance written notice of the specific circumstances constituting such Cause, and an opportunity to correct such circumstances.

(d) GOOD REASON. In order for Employee to resign for Good Reason, Employee must provide written notice to the Company of the existence of the Good Reason condition within thirty (30) days of the initial existence of such Good Reason condition. Upon receipt of such notice, the Company will have thirty (30) days during which it may remedy the Good Reason condition and not be required to provide for the benefits described in Section 4(b) above as a result of such proposed resignation if successfully remedied. If the Good Reason condition is not remedied within such thirty (30) day period, Employee may resign based on the Good Reason condition specified in the notice effective no later than thirty (30) days following the expiration of the thirty (30) day cure period. For purposes of this Agreement, "**Good Reason**" means the occurrence of any of the following events without Employee's consent: (i) a material reduction of Employee's Base Salary not generally applicable to other executive-level employees of the Company, (ii) a material diminution of the Employee's authority, duties, or responsibilities, (iii) a relocation of Employee's primary workplace to a location that is more than fifty (50) miles from the location of Employee's primary workplace as of the date hereof, or (iv) the Company's material breach of this Agreement.

(e) APPLICATION OF INTERNAL REVENUE CODE SECTION 409A. Notwithstanding anything to the contrary set forth herein, any payments and benefits provided under this Section 4 that constitute "deferred compensation" within the meaning of Section 409A of the Internal Revenue Code and the regulations and other guidance thereunder and any state law of similar effect (collectively "Section 409A") will not commence in connection with Employee's termination of employment unless and until Employee has also incurred a "separation from service" (as such term is defined in Treasury Regulation Section 1.409A-1(h) (a "**Separation From Service**"), unless the Company reasonably determines that such amounts may be provided to Employee without causing Employee to incur an additional tax under Section 409A. The parties intend that each installment of the Separation Benefits payments provided for in this Agreement is a separate "payment" for purposes of Treasury Regulation Section 1.409A-2(b)(2)(i). For the avoidance of doubt, the parties intend that payments of the Separation Benefits set forth in this Agreement satisfy, to the greatest extent possible, the exemptions from the application of Section 409A provided under Treasury Regulation Sections 1.409A-1(b)(4), 1.409A-1(b)(5) and 1.409A-1(b)(9). However, if the Company determines that the Separation Benefits constitute "deferred compensation" under Section 409A and Employee is, on the termination of service, a "specified employee" of the Company or any successor entity thereto, as such term is defined in Section 409A, then, solely to the extent necessary to avoid the incurrence of the adverse personal tax consequences under Section 409A, the timing of the Separation Benefits payments will be delayed until the earlier to occur of: (i) the date that is six months and one day after Employee's Separation From Service, or (ii) the date of Employee's death (such applicable date, the "**Specified Employee Initial Payment Date**"), the Company (or the successor entity thereto, as applicable) will (A) pay to Employee a lump sum amount equal to the sum of the Separation Benefits payments that Employee would otherwise have received through the Specified Employee Initial Payment Date if the commencement of the payment of the Separation Benefits had not been so delayed pursuant to this Section and (B) commence paying the balance of the Separation Benefits in accordance with the applicable payment schedules set forth in this Agreement.

(f) NO FURTHER OBLIGATIONS. Except as expressly provided above or as otherwise required by law, the Company will have no obligations to Employee in the event of the termination of this Agreement for any reason.

5. EMPLOYEE REPRESENTATIONS. Employee represents and warrants that Employee is not obligated or restricted under any agreement (including any non-competition or confidentiality agreement), judgment, decree, order or other restraint of any kind that could impair Employee's ability to perform the duties and obligations required of Employee hereunder. Employee further agrees that Employee will not divulge to the Company any confidential information and/or trade secrets belonging to others, including Employee's former employers, nor will the Company seek to elicit from Employee such information. Consistent with the foregoing, Employee will not provide to the Company, and the Company will not request, any documents or copies of documents containing such information.

6. NOTICES. Any notice required to be given hereunder will be sufficient if in writing and hand delivered or sent by mail, return receipt requested, postage prepaid, in the case of Employee, to Employee's address shown on the Company's records, and in the case of the

Company, to 700 Park Offices Drive, Suite 200, Research Triangle Park, NC 27709, or to such other addresses as either party shall specify to the other.

7. AMENDMENT; WAIVER. No amendment of any provision of this Agreement will be valid unless the amendment is in writing and signed by the Company and Employee. No waiver of any provision of this Agreement will be valid unless the waiver is in writing and signed by the waiving party. The failure of a party at any time to require performance of any provision of this Agreement will not affect such party's rights at a later time to enforce such provision. No waiver by a party of any breach of this Agreement will be deemed to extend to any other breach hereunder or affect in any way any rights arising by virtue of any other breach.

8. GOVERNING LAW; VENUE. This Agreement will be governed by and construed in accordance with the laws of the State of North Carolina, without regard to that body of law known as choice of law. The parties agree that any litigation arising out of or related to this Agreement or Employee's employment by the Company will be brought exclusively in any state or federal court in Durham County, North Carolina. Each party (i) consents to the personal jurisdiction of said courts, (ii) waives any venue or inconvenient forum defense to any proceeding maintained in such courts, and (iii) agrees not to bring any proceeding arising out of or relating to this Agreement or Employee's employment by the Company in any other court.

9. BENEFIT. This Agreement will be binding upon and will inure to the benefit of each of the parties hereto, and to their respective heirs, representatives, successors and permitted assigns. Employee may not assign any of Employee's rights or delegate any of Employee's duties under this Agreement.

10. ENTIRE AGREEMENT; OTHER AGREEMENTS. This Agreement contains the entire agreement and understanding by and between the Company and Employee with respect to the subject matter hereof, and any representations, promises, agreements or understandings, written or oral, not herein contained will be of no force or effect; provided, however, that Employee is also subject to the terms and conditions of (i) that certain Employee Non-Competition and Non-Solicitation Agreement by and between Employee and the Company, and (ii) that certain Employee Confidentiality and Inventions Agreement by and between Employee and the Company, each of which remains in full force and effect.

11. CAPTIONS; RULE OF CONSTRUCTION. The captions in this Agreement are for convenience only and in no way define, bind or describe the scope or intent of this Agreement. The terms and provisions of this Agreement will not be construed against the drafter or drafters hereof. All parties hereto agree that the language of this Agreement will be construed as a whole according to its fair meaning and not strictly for or against any of the parties hereto.

12. COUNTERPARTS. This Agreement may be executed in one or more counterparts, each of which will be deemed an original but all of which together will constitute one and the same agreement. Facsimile or PDF reproductions of original signatures will be deemed binding for the purpose of the execution of this Agreement.

13. SEVERABILITY. Each provision of this Agreement is severable from every other provision of this Agreement. Any provision of this Agreement that is determined by any court of competent jurisdiction to be invalid or unenforceable will not affect the validity or enforceability of any other provision. Any provision of this Agreement held invalid or unenforceable only in part or degree will remain in full force and effect to the extent not held invalid or unenforceable.

14. SURVIVAL. The terms of Sections 4 through 14 will survive the termination or expiration of this Agreement for any reason.

[Signature Page Follows.]

IN WITNESS WHEREOF, the parties have executed this Agreement effective as of the Effective Date.

G1 THERAPEUTICS, INC.

By: */s/Mark Velleca*
Name: Mark Velleca
Title: CEO

EMPLOYEE:

/s/ Soma Gupta
Soma Gupta

Exhibit 10.2

Option No._____

G1 THERAPEUTICS, INC.

Non-Qualified Stock Option Grant Notice

1. Name and Address of Participant: Soma Gupta
   321 West 55th Street
   New York, New York 10019

2. Date of Option Grant:March 31, 2020

3. Maximum Number of Shares for which this Option is exercisable: 300,000

4. Exercise (purchase) price per share:$11.02

5. Option Expiration Date:March 31, 2030

6. Vesting Start Date:March 12, 2021

7. Vesting Schedule: This Option shall become exercisable (and the Shares issued upon exercise shall be vested) as follows provided the Participant is an Employee or Consultant of the Company or of an Affiliate on the applicable vesting date:

This Option vests as to 25% of the underlying shares on March 12, 2021 with the remainder vesting in equal monthly installments over the following 36 months thereafter.

The foregoing rights are cumulative and are subject to the other terms and conditions of this Agreement.

The Company and the Participant acknowledge receipt of this Stock Option Grant Notice and agree to the terms of the Stock Option Agreement attached hereto, and the terms of this Option Grant as set forth above.

G1 THERAPEUTICS, INC.

By: */s/ Mark Velleca*
Name: Mark Velleca
Title: CEO

/s/ Soma Gupta
Participant: Soma Gupta

G1 THERAPEUTICS, INC.

NON-QUALIFIED STOCK OPTION AGREEMENT

AGREEMENT made as of the date of grant set forth in the Stock Option Grant Notice by and between G1 Therapeutics, Inc. (the "Company"), a Delaware corporation, and the individual whose name appears on the Stock Option Grant Notice (the "Participant").

WHEREAS, the Company desires to grant to the Participant an Option to purchase shares of its common stock, $0.0001 par value per share (the "Shares") as an inducement material to the Participant's entering into employment as Chief Commercial Officer of the Company, effective March 31, 2020, in accordance with the terms of an employment agreement with the Company dated March 12, 2020; and

WHEREAS, the Company and the Participant each intend that the Option granted herein shall be a non-qualified stock option.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth and for other good and valuable consideration, the parties hereto agree as follows:

1. DEFINITIONS.

Unless otherwise specified or unless the context otherwise requires, the following terms, as used in this Agreement, have the following meanings:

Administrator means the Board of Directors, unless it has delegated power to act on its behalf to the Committee, in which case the term Administrator means the Committee.

Affiliate means a corporation which, for purposes of Section 424 of the Code, is a parent or subsidiary of the Company, direct or indirect.

Board of Directors means the Board of Directors of the Company.

Cause means, with respect to the Participant: (a) dishonesty with respect to the Company or any Affiliate, (b) insubordination, substantial malfeasance or non-feasance of duty, (c) unauthorized disclosure of confidential information, (d) breach by the Participant of any provision of any employment, consulting, advisory, nondisclosure, non-competition or similar agreement between the Participant and the Company or any Affiliate, and (e) conduct substantially prejudicial to the business of the Company or any Affiliate; provided, however, that any provision in an agreement between the Participant and the Company or an Affiliate, which contains a conflicting definition of Cause for termination and which is in effect at the time of such termination, shall supersede this definition. The determination of the Administrator as to the existence of Cause will be conclusive on the Participant and the Company.

Code means the United States Internal Revenue Code of 1986, as amended, including any successor statute, regulation and guidance thereto.

Committee means the committee of the Board of Directors to which the Board of Directors has delegated power to act.

Consultant means any natural person who is an advisor or consultant who provides bona fide services to the Company or its Affiliates, provided that such services are not in connection with the offer or sale of securities in a capital raising transaction, and do not directly or indirectly promote or maintain a market for the Company's or its Affiliates' securities.

Disability or Disabled means permanent and total disability as defined in Section 22(e)(3) of the Code.

Director means any member of the Board of Directors.

Employee means any employee of the Company or of an Affiliate (including, without limitation, an employee who is also serving as an officer or Director of the Company or of an Affiliate).

Exchange Act means the Securities Exchange Act of 1934, as amended.

Fair Market Value of a Share of common stock means:

If the common stock is listed on a national securities exchange or traded in the over-the-counter market and sales prices are regularly reported for the common stock, the closing or, if not applicable, the last price of the common stock on the composite tape or other comparable reporting system for the trading day on the applicable date and if such applicable date is not a trading day, the last market trading day prior to such date;

If the common stock is not traded on a national securities exchange but is traded on the over-the-counter market, if sales prices are not regularly reported for the common stock for the trading day referred to in clause (1), and if bid and asked prices for the common stock are regularly reported, the mean between the bid and the asked price for the common stock at the close of trading in the over-the-counter market for the trading day on which common stock was traded on the applicable date and if such applicable date is not a trading day, the last market trading day prior to such date; and

If the common stock is neither listed on a national securities exchange nor traded in the over-the-counter market, such value as the Administrator, in good faith, shall determine in compliance with applicable laws.

Non-Qualified Option means an option which is not intended to qualify as an incentive stock option under Section 422 of the Code.

Option means a Non-Qualified Option granted as an inducement award under Nasdaq Listing Rule 5635(c)(4).

Securities Act means the Securities Act of 1933, as amended.

Survivor means the deceased Participant's legal representatives and/or any person or persons who acquire the Option by will or by the laws of descent and distribution.

2. GRANT OF OPTION.

The Company hereby grants to the Participant the right and option to purchase all or any part of an aggregate of the number of Shares set forth in the Stock Option Grant Notice, on the terms and conditions and subject to all the limitations set forth herein and under United States securities and tax laws.

3. EXERCISE PRICE.

The exercise price of the Shares covered by the Option shall be the amount per Share set forth in the Stock Option Grant Notice, subject to adjustment, as provided in Section 10, in the event of a stock split, reverse stock split or other events affecting the holders of Shares after the date hereof (the "Exercise Price"). Payment shall be made in accordance with Section 6 of this Agreement.

4. EXERCISABILITY OF OPTION.

Subject to the terms and conditions set forth in this Agreement, the Option granted hereby shall become vested and exercisable as set forth in the Stock Option Grant Notice and is subject to the other terms and conditions of this Agreement.

5. TERM OF OPTION.

This Option shall terminate on the Option Expiration Date as specified in the Stock Option Grant Notice, but shall be subject to earlier termination as provided herein.

If the Participant ceases to be an Employee or Consultant of the Company or of an Affiliate for any reason other than the death or Disability of the Participant, or termination of the Participant for Cause (the "Termination Date"), the Option to the extent then vested and exercisable pursuant to Section 4 hereof as of the Termination Date, and not previously terminated in accordance with this Agreement, may be exercised within three months after the Termination Date, or on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice, whichever is earlier, but may not be exercised thereafter except as set forth below. In such event, the unvested portion of the Option shall not be exercisable and shall expire and be cancelled on the Termination Date.

Notwithstanding the foregoing, in the event of the Participant's Disability or death within three months after the Termination Date, the Participant or the Participant's Survivors may

exercise the Option within one year after the Termination Date, but in no event after the Option Expiration Date as specified in the Stock Option Grant Notice.

In the event the Participant's service is terminated by the Company or an Affiliate for Cause, the Participant's right to exercise any unexercised portion of this Option even if vested shall cease immediately as of the time the Participant is notified his or her service is terminated for Cause, and this Option shall thereupon terminate. Notwithstanding anything herein to the contrary, if subsequent to the Participant's termination, but prior to the exercise of the Option, the Administrator determines that, either prior or subsequent to the Participant's termination, the Participant engaged in conduct which would constitute Cause, then the Participant shall immediately cease to have any right to exercise the Option and this Option shall thereupon terminate.

In the event of the Disability of the Participant, the Option shall be exercisable within one year after the Participant's termination of service due to Disability or, if earlier, on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice. In such event, the Option shall be exercisable:

(a) to the extent that the Option has become exercisable but has not been exercised as of the date of the Participant's termination of service due to Disability; and

(b) in the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of the Participant's termination of service due to Disability of any additional vesting rights that would have accrued on the next vesting date had the Participant not become Disabled. The proration shall be based upon the number of days accrued in the current vesting period prior to the date of the Participant's termination of service due to Disability.

In the event of the death of the Participant while an Employee or Consultant of the Company or of an Affiliate, the Option shall be exercisable by the Participant's Survivors within one year after the date of death of the Participant or, if earlier, on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice. In such event, the Option shall be exercisable:

(x) to the extent that the Option has become exercisable but has not been exercised as of the date of death; and

(y) in the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of death of any additional vesting rights that would have accrued on the next vesting date had the Participant not died. The proration shall be based upon the number of days accrued in the current vesting period prior to the Participant's date of death.

6. METHOD OF EXERCISING OPTION.

Subject to the terms and conditions of this Agreement, the Option may be exercised by written notice to the Company or its designee, in substantially the form of Exhibit A attached hereto (or in such other form acceptable to the Company, which may include electronic notice). Such notice shall state the number of Shares with respect to which the Option is being exercised and shall be signed by the person exercising the Option (which signature may be provided electronically in a form acceptable to the Company). Payment of the Exercise Price for such Shares shall be made (a) in United States dollars in cash or by check; or (b) at the discretion of the Administrator, through delivery of shares of Common Stock held for at least six months (if required to avoid negative accounting treatment) having a Fair Market Value equal as of the date of the exercise to the aggregate cash exercise price for the number of Shares as to which the Option is being exercised; (c) at the discretion of the Administrator, by having the Company retain from the Shares otherwise issuable upon exercise of the Option, a number of Shares having a Fair Market Value equal as of the date of exercise to the aggregate exercise price for the number of Shares as to which the Option is being exercised; (d) at the discretion of the Administrator, in accordance with a cashless exercise program established with a securities brokerage firm, and approved by the Administrator; (e) at the discretion of the Administrator, by any combination of (a), (b), (c) and (d) above; or (f) at the discretion of the Administrator, by payment of such other lawful consideration as the Administrator may determine. The Company shall deliver such Shares as soon as practicable after the notice shall be received, provided, however, that the Company may delay issuance of such Shares until completion of any action or obtaining of any consent, which the Company deems necessary under any applicable law (including, without limitation, state securities or "blue sky" laws). The Shares as to which the Option shall have been so exercised shall be registered in the Company's share register in the name of the person so exercising the Option (or, if the Option shall be exercised by the Participant and if the Participant shall so request in the notice exercising the Option, shall be registered in the Company's share register in the name of the Participant and another person jointly, with right of survivorship) and shall be delivered as provided above to or upon the written order of the person exercising the Option. In the event the Option shall be exercised, pursuant to Section 5 hereof, by any person other than the Participant, such notice shall be accompanied by appropriate proof of the right of such person to exercise the Option. All Shares that shall be purchased upon the exercise of the Option as provided herein shall be fully paid and nonassessable.

7. PARTIAL EXERCISE.

Exercise of this Option to the extent above stated may be made in part at any time and from time to time within the above limits, except that no fractional share shall be issued pursuant to this Option.

8. NON-ASSIGNABILITY.

The Option shall not be transferable by the Participant otherwise than by will or by the laws of descent and distribution or pursuant to a qualified domestic relations order as defined by the Code or Title I of the Employee Retirement Income Security Act or the rules thereunder. Except as provided above in this paragraph, the Option shall be exercisable, during the

Participant's lifetime, only by the Participant (or, in the event of legal incapacity or incompetency, by the Participant's guardian or representative) and shall not be assigned, pledged or hypothecated in any way (whether by operation of law or otherwise) and shall not be subject to execution, attachment or similar process. Any attempted transfer, assignment, pledge, hypothecation or other disposition of the Option or of any rights granted hereunder contrary to the provisions of this Section 8, or the levy of any attachment or similar process upon the Option shall be null and void.

9. NO RIGHTS AS STOCKHOLDER UNTIL EXERCISE.

The Participant shall have no rights as a stockholder with respect to Shares subject to this Agreement until registration of the Shares in the Company's share register in the name of the Participant. Except as is expressly provided in Section 10 of this Agreement with respect to certain changes in the capitalization of the Company, no adjustment shall be made for dividends or similar rights for which the record date is prior to the date of such registration.

10. ADJUSTMENTS.

Upon the occurrence of any of the following events, the Participant's rights with respect to the Option shall be adjusted as hereinafter provided.

(a) Stock Dividends and Stock Splits. If (i) the Shares shall be subdivided or combined into a greater or smaller number of shares or if the Company shall issue any Shares as a stock dividend on its outstanding Shares, or (ii) additional shares or new or different shares or other securities of the Company or other non-cash assets are distributed with respect to such Shares, the Option and the number of Shares deliverable thereunder shall be appropriately increased or decreased proportionately, and appropriate adjustments shall be made including, in the exercise price per share, to reflect such events.

(b) Corporate Transactions. If the Company is to be consolidated with or acquired by another entity in a merger, consolidation, or sale of all or substantially all of the Company's assets or the acquisition of all of the outstanding voting stock of the Company in a single transaction or a series of related transactions by a single entity other than a transaction to merely change the state of incorporation (a "Corporate Transaction"), the Administrator or the board of directors of any entity assuming the obligations of the Company hereunder (the "Successor Board"), shall, as to the unexercised portion of the Option, either (i) make appropriate provision for the continuation of the Option by substituting on an equitable basis for the Shares then subject to the Option either the consideration payable with respect to the outstanding Shares in connection with the Corporate Transaction or securities of any successor or acquiring entity; or (ii) upon written notice to the Participant, provide that the Option must be exercised (to the extent then exercisable, within a specified number of days of the date of such notice, at the end of which period the Option shall terminate); or (iii) terminate the Option in exchange for payment of an amount equal to the consideration payable upon consummation of such Corporate Transaction to the holder of the number of Shares into which the Option would have been exercisable (either (A) to the extent then exercisable or, (B) at the discretion of the Administrator, any such Options being made partially or fully exercisable for purposes of this Subclause) less the aggregate exercise price thereof. For purposes of determining the payments to be made pursuant to Subclause (iii) above, in the case of a Corporate Transaction the consideration for which, in whole or in part, is other than cash, the

consideration other than cash shall be valued at the fair value thereof as determined in good faith by the Board of Directors.

(c) Recapitalization or Reorganization. In the event of a recapitalization or reorganization of the Company other than a Corporate Transaction pursuant to which securities of the Company or of another corporation are issued with respect to the outstanding Shares, the Participant upon exercising the Option after the recapitalization or reorganization shall be entitled to receive for the price paid upon such exercise or acceptance if any, the number of replacement securities which would have been received if the Option had been exercised prior to such recapitalization or reorganization.

(d) Modification of Options. Notwithstanding the foregoing, any adjustments made pursuant to Subsection (a), (b) or (c) above shall be made only after the Administrator determines whether such adjustments would cause any adverse tax consequences, including, but not limited to, pursuant to Section 409A of the Code. If the Administrator determines that such adjustments would constitute a modification of the Option or other adverse tax consequence to the Participant, it may refrain from making such adjustments, unless the Participant specifically agrees in writing that such adjustment be made.

Dissolution or Liquidation of the Company. Upon the dissolution or liquidation of the Company, the Option will terminate and become null and void; provided, however, that if the rights of the Participant or the Participant's Survivors have not otherwise terminated and expired, the Participant or the Participant's Survivors will have the right immediately prior to such dissolution or liquidation to exercise the Option to the extent that the Option is exercisable as of the date immediately prior to such dissolution or liquidation.

11. TAXES.

The Participant acknowledges and agrees that (i) any income or other taxes due from the Participant with respect to this Option or the Shares issuable pursuant to this Option shall be the Participant's responsibility; (ii) the Participant was free to use professional advisors of his or her choice in connection with this Agreement, has received advice from his or her professional advisors in connection with this Agreement, understands its meaning and import, and is entering into this Agreement freely and without coercion or duress; (iii) the Participant has not received and is not relying upon any advice, representations or assurances made by or on behalf of the Company or any Affiliate or any employee of or counsel to the Company or any Affiliate regarding any tax or other effects or implications of the Option, the Shares or other matters contemplated by this Agreement; and (iv) neither the Administrator, the Company, its Affiliates, nor any of its officers or directors, shall be held liable for any applicable costs, taxes, or penalties associated with the Option if, in fact, the Internal Revenue Service were to determine that the Option constitutes deferred compensation under Section 409A of the Code.

The Participant agrees that the Company may withhold from the Participant's remuneration, if any, the minimum statutory amount of federal, state and local withholding taxes attributable to such amount that is considered compensation includable in such person's gross income. At the Company's discretion, the amount required to be withheld may be withheld in cash from such remuneration, or in kind from the Shares otherwise deliverable to the Participant

on exercise of the Option. The Participant further agrees that, if the Company does not withhold an amount from the Participant's remuneration sufficient to satisfy the Company's income tax withholding obligation, the Participant will reimburse the Company on demand, in cash, for the amount under-withheld.

12. PURCHASE FOR INVESTMENT.

Unless the offering and sale of the Shares to be issued upon the particular exercise of the Option shall have been effectively registered under the Securities Act, the Company shall be under no obligation to issue the Shares covered by such exercise unless the Company has determined that such exercise and issuance would be exempt from the registration requirements of the Securities Act and until the following conditions have been fulfilled:

(a) The person(s) who exercise the Option shall warrant to the Company, at the time of such exercise, that such person(s) are acquiring such Shares for their own respective accounts, for investment, and not with a view to, or for sale in connection with, the distribution of any such Shares, in which event the person(s) acquiring such Shares shall be bound by the provisions of the following legend which shall be endorsed upon any certificate(s) evidencing the Shares issued pursuant to such exercise:

"The shares represented by this certificate have been taken for investment and they may not be sold or otherwise transferred by any person, including a pledgee, unless (1) either (a) a Registration Statement with respect to such shares shall be effective under the Securities Act of 1933, as amended, or (b) the Company shall have received an opinion of counsel satisfactory to it that an exemption from registration under such Act is then available, and (2) there shall have been compliance with all applicable state securities laws;" and

(b) If the Company so requires, the Company shall have received an opinion of its counsel that the Shares may be issued upon such particular exercise in compliance with the Securities Act without registration thereunder. Without limiting the generality of the foregoing, the Company may delay issuance of the Shares until completion of any action or obtaining of any consent, which the Company deems necessary under any applicable law (including without limitation state securities or "blue sky" laws).

13. RESTRICTIONS ON TRANSFER OF SHARES.

13.1 The Participant agrees that in the event the Company proposes to offer for sale to the public any of its equity securities and such Participant is requested by the Company and any underwriter engaged by the Company in connection with such offering to sign an agreement restricting the sale or other transfer of Shares, then it will promptly sign such agreement and will not transfer, whether in privately negotiated transactions or to the public in open market transactions or otherwise, any Shares or other securities of the Company held by the Participant

during such period as is determined by the Company and the underwriters, not to exceed 180 days following the closing of the offering, plus such additional period of time as may be required to comply with FINRA rules or similar rules thereto promulgated by another regulatory authority (such period, the "Lock-Up Period"). Such agreement shall be in writing and in form and substance reasonably satisfactory to the Company and such underwriter and pursuant to customary and prevailing terms and conditions. Whether or not the Participant has signed such an agreement, the Company may impose stop-transfer instructions with respect to the Shares or other securities of the Company subject to the foregoing restrictions until the end of the Lock-Up Period.

13.2 The Participant acknowledges and agrees that neither the Company, its stockholders nor its directors and officers, has any duty or obligation to disclose to the Participant any material information regarding the business of the Company or affecting the value of the Shares before, at the time of, or following a termination of the service of the Participant by the Company, including, without limitation, any information concerning plans for the Company to make a public offering of its securities or to be acquired by or merged with or into another firm or entity.

14. NO OBLIGATION TO MAINTAIN RELATIONSHIP.

The Participant acknowledges that: (i) the Company is not by this Agreement obligated to continue the Participant as an employee or Consultant of the Company or an Affiliate; (ii) the grant of the Option is a one-time benefit which does not create any contractual or other right to receive future grants of options, or benefits in lieu of options; (iii) all determinations with respect to any such future grants, including, but not limited to, the times when options shall be granted, the number of shares subject to each option, the option price, and the time or times when each option shall be exercisable, will be at the sole discretion of the Company; (iv) the value of the Option is an extraordinary item of compensation which is outside the scope of the Participant's employment or consulting contract, if any; and (v) the Option is not part of normal or expected compensation for purposes of calculating any severance, resignation, redundancy, end of service payments, bonuses, long-service awards, pension or retirement benefits or similar payments.

15. NOTICES.

Any notices required or permitted by the terms of this Agreement shall be given by recognized courier service, facsimile, registered or certified mail, return receipt requested, addressed as follows:

If to the Company:

G1 Therapeutics, Inc.
700 Park Offices Drive, Suite 200
Research Triangle Park, NC 27709
Attention: General Counsel

If to the Participant, at the address set forth on the Stock Option Grant Notice.

or to such other address or addresses of which notice in the same manner has previously been given. Any such notice shall be deemed to have been given upon the earlier of receipt, one business day following delivery to a recognized courier service or three business days following mailing by registered or certified mail.

16. GOVERNING LAW.

This Agreement shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to the conflict of law principles thereof. For the purpose of litigating any dispute that arises under this Agreement, the parties hereby consent to exclusive jurisdiction in Delaware and agree that such litigation shall be conducted in the District of Durham, North Carolina or the federal courts of the United States for the District of Durham, North Carolina.

17. BENEFIT OF AGREEMENT.

Subject to the provisions hereof, this Agreement shall be for the benefit of and shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

18. ENTIRE AGREEMENT.

This Agreement embodies the entire agreement and understanding between the parties hereto with respect to the subject matter hereof and supersedes all prior oral or written agreements and understandings relating to the subject matter hereof (with the exception of acceleration of vesting provisions contained in any other agreement with the Company). No statement, representation, warranty, covenant or agreement not expressly set forth in this Agreement shall affect or be used to interpret, change or restrict the express terms and provisions of this Agreement.

19. MODIFICATIONS AND AMENDMENTS.

The terms and provisions of this Agreement may be modified or amended by the Administrator; provided, however, the Administrator may not take any action that is considered a direct or indirect “repricing” for purposes of the stockholder approval rules of the applicable securities exchange or inter-dealer quotation system on which the Shares are listed, including any other action that is treated as a repricing under generally accepted accounting principles. Any modification or amendment of this Agreement shall not, without the consent of the Participant, adversely affect the Participant’s rights under this Agreement.

20. WAIVERS AND CONSENTS.

The terms and provisions of this Agreement may be waived, or consent for the departure therefrom granted, only by written document executed by the party entitled to the benefits of such terms or provisions. No such waiver or consent shall be deemed to be or shall constitute a waiver or consent with respect to any other terms or provisions of this Agreement, whether or not similar.

Each such waiver or consent shall be effective only in the specific instance and for the purpose for which it was given, and shall not constitute a continuing waiver or consent.

21. DATA PRIVACY.

By entering into this Agreement, the Participant: (i) authorizes the Company and each Affiliate, and any agent of the Company or any Affiliate facilitating the grant of options under this Agreement, to disclose to the Company or any of its Affiliates such information and data as the Company or any such Affiliate shall request in order to facilitate the grant of options; and (ii) authorizes the Company and each Affiliate to store and transmit such information in electronic form for the purposes set forth in this Agreement.

Exhibit A

NOTICE OF EXERCISE OF STOCK OPTION

[Form for Shares registered in the United States]

To: **G1 Therapeutics, Inc.**

IMPORTANT NOTICE: This form of Notice of Exercise may only be used at such time as the Company has filed a Registration Statement with the Securities and Exchange Commission under which the issuance of the Shares for which this exercise is being made is registered and such Registration Statement remains effective.

Ladies and Gentlemen:

I hereby exercise my Stock Option to purchase _____ shares (the "Shares") of the common stock, $0.0001 par value, of G1 Therapeutics, Inc. (the "Company"), at the exercise price of $_____ per share, pursuant to and subject to the terms of that Stock Option Grant Notice dated March 31, 2020.

I understand the nature of the investment I am making and the financial risks thereof. I am aware that it is my responsibility to have consulted with competent tax and legal advisors about the relevant national, state and local income tax and securities laws affecting the exercise of the Option and the purchase and subsequent sale of the Shares.

I am paying the option exercise price for the Shares as follows:

_____

Please issue the Shares (check one):

☐ to me; or

☐ to me and _____, as joint tenants with right of survivorship,

at the following address:

_____
_____
_____

My mailing address for stockholder communications, if different from the address listed above, is:

_____

_____

_____

Very truly yours,

Participant (signature)

Print Name

Date

Exhibit 31.1

CERTIFICATION PURSUANT TO
RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Mark A. Velleca, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of G1 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(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

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

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

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

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

5. The registrant's other certifying officer(s) 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 6, 2020

By: /s/ Mark A. Velleca, M.D., Ph.D.

Mark A. Velleca, M.D., Ph.D.
President and Chief Executive Officer
(Principal Executive Officer)

Exhibit 31.2

CERTIFICATION PURSUANT TO
RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Jennifer K. Moses, certify that:

1. I have reviewed this Quarterly Report on 10-Q of G1 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(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

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

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

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

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

5. The registrant's other certifying officer(s) 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 6, 2020

By: /s/ Jennifer K. Moses

Jennifer K. Moses
Chief Financial Officer
(Principal Financial Officer)

Exhibit 32.1

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

In connection with the Quarterly Report of G1 Therapeutics, Inc. (the "Company") on Form 10-Q for the period ending March 31, 2020 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned certifies, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that to the best of his knowledge:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

Date: May 6, 2020

By: /s/ Mark A. Velleca, M.D., Ph.D.
Mark A. Velleca, M.D., Ph.D.
President and Chief Executive Officer
(Principal Executive Officer)

This certification accompanies the Form 10-Q to which it relates, is not deemed filed with the Securities and Exchange Commission and is not to be incorporated by reference into any filing of G1 Therapeutics, Inc. under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Form 10-Q), irrespective of any general incorporation language contained in such filing.

Exhibit 32.2

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

In connection with the Quarterly Report of G1 Therapeutics, Inc. (the "Company") on Form 10-Q for the period ending March 31, 2020 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned certifies, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that to the best of his knowledge:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

Date: May 6, 2020

By: /s/ Jennifer K. Moses
Jennifer K. Moses
Chief Financial Officer
(Principal Financial Officer)

This certification accompanies the Form 10-Q to which it relates, is not deemed filed with the Securities and Exchange Commission and is not to be incorporated by reference into any filing of G1 Therapeutics, Inc. under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Form 10-Q), irrespective of any general incorporation language contained in such filing.