
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

**POST-EFFECTIVE AMENDMENT NO. 1
TO FORM S-1 ON
FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

GEMINI THERAPEUTICS, INC.

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

6770
(Primary Standard Industrial
Classification Code Number)

85-1612845
(I.R.S. Employer
Identification Number)

Georges Gemayel, Ph.D.
Executive Chair, Interim President and Chief Executive Officer

Address Not Applicable¹
(617) 401-4400

(Address, including zip code, and telephone number, including area code, of Registrant's principal executive offices)

Continental Stock Transfer & Trust Company
1 State Street, 30th Floor
New York, New York 10004
(212) 509-4000

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Mitchell S. Bloom, Esq.
Benjamin K. Marsh, Esq.
Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02110

Approximate date of commencement of proposed sale to the public: From time to time on or after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Securities Exchange Act of 1934.

Large accelerated filer

Non-accelerated filer

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 7(a)(2)(B) of the Securities Act.

The Registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

¹ In January 2022, the Company became a remote-first company. Accordingly, the Company does not currently maintain a physical headquarters.

EXPLANATORY NOTE

On February 17, 2021, Gemini Therapeutics, Inc. filed a registration statement with the Securities and Exchange Commission (the “SEC”) on Form S-1 (File No. 333-253175), which was amended on March 29, 2021 on Form S-1 (as amended, the “Registration Statement”). The Registration Statement was declared effective by the SEC on April 28, 2021, and relates to the issuance by us of up to 29,368,920 shares of our Common Stock, par value \$0.0001 per share (“Common Stock”).

Gemini Therapeutics, Inc. is filing this Post-Effective Amendment No. 1 to Form S-1 on Form S-3 (“Post-Effective Amendment No. 1”) to (i) convert the Registration Statement on Form S-1 into a registration statement on Form S-3 and (ii) to update certain information regarding the securities being offered pursuant to the prospectus contained herein. This Post-Effective Amendment No. 1 does not register any additional securities and relates solely to securities registered previously. All filing fees payable in connection with the registration of the securities were previously paid in connection with the filing of the Registration Statement.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

SUBJECT TO COMPLETION DATED MARCH 10, 2022

PRELIMINARY PROSPECTUS



22,832,920 Shares of Common Stock

This prospectus relates to the resale, from time to time, by the selling securityholders named in this prospectus (the “Selling Securityholders”), or any of their pledgees, donees, assignees and successors-in-interest (“permitted transferees”), of up to an aggregate of 22,832,920 shares of our Common Stock, par value \$0.0001 per share (“Common Stock”) that were issued to certain investors (collectively, the “PIPE Investors”) in a private placement in connection with the closing of the Business Combination (as defined below) and to certain of our stockholders as consideration in connection with the Business Combination (as defined below). This prospectus also covers any additional securities that may become issuable by reason of share splits, share dividends or other similar transactions.

We are registering the offer and sale of the securities described above to satisfy certain registration rights we have granted. Our registration of the securities covered by this prospectus does not mean that the Selling Securityholders will offer or sell any of the securities. The Selling Securityholders and any of their permitted transferees may offer and sell the securities covered by this prospectus in a number of different ways and at varying prices. We will not receive any proceeds from the sale of these securities. Additional information on the Selling Securityholders, and the times and manner in which they may offer and sell the securities under this prospectus, is provided under “*Selling Securityholders*” and “*Plan of Distribution*” in this prospectus.

You should read this prospectus and any prospectus supplement or amendment carefully before you invest in our securities.

Our Common Stock is listed on the Nasdaq Global Market under the symbol “GMTX”. On March 8, 2022, the closing price of our Common Stock was \$1.46 per share.

We are an “emerging growth company” and a “smaller reporting company” as defined under the federal securities laws and, as such, are subject to certain reduced public company reporting requirements.

Investing in our securities involves risks that are described in the “[Risk Factors](#)” section beginning on page 12 of this prospectus.

Neither the SEC nor any state securities commission has approved or disapproved of the securities to be issued under this prospectus or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is March 10, 2022.

TABLE OF CONTENTS

ABOUT THIS PROSPECTUS	5
FREQUENTLY USED TERMS	6
FORWARD-LOOKING STATEMENTS	7
SUMMARY	9
THE OFFERING	11
RISK FACTORS	12
USE OF PROCEEDS	13
DESCRIPTION OF CAPITAL STOCK	14
SELLING SECURITYHOLDERS	20
PLAN OF DISTRIBUTION	22
LEGAL MATTERS	26
EXPERTS	26
WHERE YOU CAN FIND MORE INFORMATION	26
DOCUMENTS INCORPORATED BY REFERENCE	27

You should rely only on the information provided in this prospectus, as well as the information incorporated by reference into this prospectus and any applicable prospectus supplement or free writing prospectus. We have not authorized anyone to provide you with different information. No offers of these securities will be made in any jurisdiction where the offer is not permitted. You should not assume that the information in this prospectus, any applicable prospectus supplement or free writing prospectus or any documents incorporated by reference is accurate as of any date other than the date of the applicable document. Since the respective dates of this prospectus and the documents incorporated by reference into this prospectus, our business, financial condition, results of operations and prospects may have changed.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC using a “shelf” registration process. Under this shelf registration process, the Selling Securityholders and their permitted transferees may, from time to time, offer and sell the securities described in this prospectus in one or more offerings. The Selling Securityholders may use the shelf registration statement to sell up to an aggregate of 22,832,920 shares of our Common Stock that were issued to the PIPE Investors in a private placement in connection with the closing of the Business Combination (as defined below) and to certain of our stockholders as consideration in connection with the Business Combination. The Selling Securityholders and their permitted transferees may use the shelf registration statement to sell such securities from time to time through any means described in the section entitled “*Plan of Distribution.*” More specific terms of any securities that the Selling Securityholders and their permitted transferees offer and sell may be provided in a prospectus supplement that describes, among other things, the specific amounts and prices of the Common Stock being offered and the terms of the offering.

A prospectus supplement or post-effective amendment may also add, update or change information included in this prospectus. Any statement contained in this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in such prospectus supplement or post-effective amendment modifies or supersedes such statement. Any statement so modified will be deemed to constitute a part of this prospectus only as so modified, and any statement so superseded will be deemed not to constitute a part of this prospectus. You should rely only on the information contained in this prospectus, any applicable prospectus supplement, post-effective amendment or any related free writing prospectus. See “*Where You Can Find More Information.*”

Neither we nor the Selling Securityholders have authorized anyone to provide any information or to make any representations other than those contained in this prospectus, any accompanying prospectus supplement or any free writing prospectus we have prepared. We and the Selling Securityholders take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. This prospectus is an offer to sell only the securities offered hereby and only under circumstances and in jurisdictions where it is lawful to do so. No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus, any applicable prospectus supplement or any related free writing prospectus. This prospectus is not an offer to sell securities, and it is not soliciting an offer to buy securities, in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus or any prospectus supplement is accurate only as of the date on the front of those documents only, regardless of the time of delivery of this prospectus or any applicable prospectus supplement, or any sale of a security. Our business, financial condition, results of operations and prospects may have changed since those dates.

For investors outside the United States: neither we nor the Selling Securityholders have done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the offering of our securities and the distribution of this prospectus outside the United States.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein have been filed, will be filed or will be incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under “*Where You Can Find More Information.*”

Unless the context indicates otherwise references to “Gemini,” “we,” “us,” “our” and other similar terms refer to Gemini Therapeutics, Inc. and its consolidated subsidiaries after giving effect to the Business Combination (as defined herein) with FS Development Corporation (as defined herein) and to Old Gemini. as it existed prior to the Business Combination.

This prospectus contains references to trademarks, trade names and service marks belonging to other entities. Solely for convenience, trademarks, trade names and service marks referred to in this prospectus may appear without the ® or TM symbols, but such references are not intended to indicate, in any way, that the applicable licensor will not assert, to the fullest extent under applicable law, its rights to these trademarks and trade names. We do not intend our use or display of other companies’ trade names, trademarks or service marks to imply a relationship with, or endorsement or sponsorship of us by, any other companies.

FREQUENTLY USED TERMS

Unless the context indicates otherwise, the following terms have the following meanings when used in this prospectus:

“**Board**” means the board of directors of Gemini.

“**Business Combination**” means the business combination pursuant to the Merger Agreement.

“**Bylaws**” means the amended and restated bylaws of Gemini.

“**Charter**” or “**Certificate of Incorporation**” means the second amended and restated certificate of incorporation of Gemini dated February 5, 2021.

“**Closing**” means the closing of the Business Combination.

“**DGCL**” means the Delaware General Corporation Law.

“**Exchange Act**” means the Securities Exchange Act of 1934, as amended from time to time.

“**FSDC**” means FS Development Corp., our predecessor.

“**FSDC Investors**” means the Sponsor, Robert Carey, Daniel Dubin and Deepka Pakianathan.

“**Gemini**” means Gemini Therapeutics, Inc. (f/k/a FS Development Corp.) following the Closing.

“**Major Gemini Investors**” means Atlas Venture Fund X, L.P., Atlas Venture Opportunity Fund I, L.P., Lightstone Singapore L.P., Lightstone Ventures (A), L.P., Lightstone Ventures, L.P., OrbiMed Private Investments VI, LP and Wu Capital Investment LLC.

“**Merger Agreement**” means the Merger Agreement, dated as of October 15, 2020, by and among FSDC, Merger Sub, Old Gemini and the Shareholders Representative.

“**Merger Sub**” means FSG Merger Sub, Inc., a Delaware corporation and a wholly-owned subsidiary of FSDC.

“**Old Gemini**” means Gemini Therapeutics Inc. prior to the Closing.

“**PIPE Financing**” refers to the sale of 9,506,000 newly issued shares of Common Stock in a private placement concurrent with the Business Combination.

“**Registration Rights Agreement**” means the Registration Rights Agreement, dated February 5, 2021 by and among Gemini, Old Gemini, the FSDC Investors and the Major Gemini Investors.

“**SEC**” means the Securities Exchange Commission or any successor organization.

“**Securities Act**” means the Securities Act of 1933, as amended from time to time.

“**Shareholders Representative**” means Shareholder Representative Services LLC.

“**Sponsor**” means FS Development Holdings, LLC.

“**Subscription Agreement**” means the Subscription Agreement, dated October 15, 2020 by and among the investors named therein providing for the issuance by FSDC through the PIPE Financing.

FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated by reference herein contain forward-looking statements. Our forward-looking statements include, but are not limited to, statements regarding our or our management team's expectations, hopes, beliefs, intentions or strategies regarding the future financial performance, business strategies or expectations for our business. These forward-looking statements are based on information available as of the date of this report and our management's current expectations, forecasts and assumptions, and involve a number of judgments, risks and uncertainties. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date. We do not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws. Specifically, forward-looking statements may include, but are not limited to, statements relating to or about:

- our plans and expectations regarding our strategic alternative review process and the timing and success of such process regarding a potential transaction;
- timing of and costs associated with our restructuring, and the savings benefits we expect to receive from the restructuring;
- success in retaining, or changes required in, our officers, key employees or directors;
- our public securities' potential liquidity and trading;
- the ability of our clinical trials and any available data therefrom to demonstrate acceptable safety and efficacy of our product candidates, including GEM103, our lead product candidate.
- the timing, progress and results of any clinical trials for GEM103 and our other product candidates, to the extent relevant, including statements regarding the timing of initiation and completion of studies or trials and related preparatory work,
- the period during which the results of the trials, if any, will become available, and our research and development programs;
- the timing, scope and likelihood of regulatory filings;
- our ability to obtain marketing approvals of our product candidates and to meet existing or future regulatory standards or comply with post-approval requirements, to the extent relevant;
- our expectations regarding the potential market size and the size of the patient populations for our product candidates, if approved for commercial use;
- our commercialization, marketing and manufacturing capabilities and strategy;
- our intellectual property position and expectations regarding our ability to obtain and maintain intellectual property protection;
- the impact of laws and government regulations;
- our competitive position and expectations regarding developments and projections relating to our competitors and any competing therapies that are or become available;
- developments and expectations regarding developments and projections relating to our competitors and industry;

[Table of Contents](#)

- the loss of our executive, financial and strategic alternatives teams;
- our lack of profitability and, to the extent we continue to operate our business, the need for additional capital; and
- the outcome of any known and unknown litigation.

Other statements preceded by, followed by or that include the words “may,” “can,” “should,” “will,” “estimate,” “plan,” “project,” “forecast,” “intend,” “expect,” “anticipate,” “believe,” “seek,” “target” or similar expressions, or the negative of these terms, are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

Any or all forward-looking statements may turn out to be incorrect. As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. Some factors that could cause actual results to differ include:

- the risk that any strategic alternative process disrupts current plans and operations;
- the ability to recognize the anticipated benefits of any strategic alternative process or a potential strategic transaction;
- costs related to the strategic alternative process or a potential strategic transaction;
- the risk that the loss of key employees disrupts our operations and our ability achieve our plans and strategy;
- changes in applicable laws or regulations;
- the possibility that we may be adversely affected by other economic, geopolitical, business, and/or competitive factors; and
- other risks and uncertainties indicated in this prospectus, including those under “*Risk Factors*” herein, and other filings that have been made or will be made with the SEC.

These forward-looking statements are based on current expectations and beliefs concerning future developments and their potential effects. There can be no assurance that future developments affecting us will be those that we have anticipated. These forward-looking statements involve a number of risks, uncertainties (some of which are beyond our control) or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements.

In addition, statements that Gemini “believes” and similar statements reflect such parties’ beliefs and opinions on the relevant subject. These statements are based upon information available to such party as of the date of this prospectus, and while such party believes such information forms a reasonable basis for such statements, such information may be limited or incomplete, and these statements should not be read to indicate that Gemini has conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

These risks and uncertainties include, but are not limited to, those factors described under the heading “*Risk Factors*” in this prospectus and the documents incorporated herein by reference. Should one or more of these risks or uncertainties materialize, or should any of our assumptions prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. Some of these risks and uncertainties may in the future be amplified by the ongoing COVID-19 pandemic and there may be additional risks that we consider immaterial or which are unknown. It is not possible to predict or identify all such risks. We do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws.

SUMMARY

This summary highlights selected information from this prospectus and does not contain all of the information that is important to you in making an investment decision. This summary is qualified in its entirety by the more detailed information included elsewhere or incorporated by reference in this prospectus. Before making your investment decision with respect to our securities, you should carefully read this entire prospectus, any applicable prospectus supplement or free writing prospectus and the documents referred to in the sections of this prospectus entitled “Where You Can Find More Information” and “Documents Incorporated by Reference”.

Overview

We are a clinical-stage precision medicine company that has to date been developing novel therapeutic compounds to treat genetically defined, age-related macular degeneration (“AMD”). Our lead product candidate, GEM103, is a recombinant form of the human complement factor H protein (“CFH”) and is designed to address complement hyperactivity and overall dysregulation caused by loss of function mutations thus restoring retinal health in patients with AMD. Native CFH serves multiple functions in maintaining retinal health including regulating lipid metabolism in the retina, protecting the retina against lipid and protein by-products of oxidative stress and regulating the complement system, which is part of the innate immune system. This multifaceted regulation plays an integral role in engagement and maintenance of complement-mediated immune responses that are involved in pathogen defense and cellular debris clearance.

In January 2022, we announced that we discontinued both of our Phase 2a clinical trials of GEM103, the ReGAtta study and the GEM103 as an Add-On to Anti-VEGF Therapy for the Treatment of Wet-AMD study.

In February 2022, we announced a corporate restructuring and that we have initiated a process to evaluate strategic alternatives. We expect to devote substantial time and resources to exploring strategic alternatives that our Board believes will maximize shareholder value. Despite devoting significant efforts to identify and evaluate potential strategic alternatives, there can be no assurance that this strategic review process will result in us pursuing any transaction or that any transaction, if pursued, will be completed on attractive terms or at all. We have not set a timetable for completion of this strategic review process, and our Board has not approved a definitive course of action. Additionally, there can be no assurances that any particular course of action, business arrangement or transaction, or series of transactions, will be pursued, successfully consummated or lead to increased stockholder value or that we will make any additional cash distributions to our stockholders.

Since inception in 2015, we have devoted substantially all our efforts and financial resources to organizing and staffing our company, business planning, raising capital, discovering product candidates and securing related intellectual property rights and conducting research and development activities for our product candidates. We do not have any products approved for sale, and we have not generated any revenue from product sales. We may never be able to develop or commercialize a marketable product.

GEM103 has been evaluated in a single ascending dose Phase 1 clinical trial of CFH-variant related dry AMD patients. The findings in the Phase 1 clinical trial enabled the initiation of a Phase 2a trial evaluating multiple ascending doses in a genetically enriched patient population carrying mutation(s) in the gene for CFH and suffering from dry AMD. Based on initial data available from the ReGAtta Phase 2a study and the Add-On to Anti-VEGF Therapy for the Treatment of Wet-AMD study, GEM103 continues to be generally well-tolerated in 510 intravitreal administrations and such preliminary data indicated rapid and sustained increased levels of CFH, supporting GEM103’s biological activity to regulate complement in GA patients as indicated by a reduction in complement biomarkers elevated in patients with AMD. In January 2022, we announced that we discontinued the ReGAtta study and the GEM103 as an Add-On to Anti-VEGF Therapy for the Treatment of Wet-AMD study.

We are also working to advance a potentiating antibody for CFH, GEM307, that could be effective for treatment of systemic diseases, towards an investigational new drug filing.

[Table of Contents](#)

To the extent we continue to pursue clinical development of GEM103 or any other product candidate, our ability to generate revenue from product sales sufficient to achieve profitability will depend heavily on the successful development and eventual commercialization of one or more of our product candidates. We have not yet successfully completed any pivotal clinical trials, nor have we obtained any regulatory approvals, manufactured a commercial-scale drug, or conducted sales and marketing activities.

Implications of Being an Emerging Growth Company

We are an “emerging growth company” as defined in Section 2(a)(19) of the Securities Act, as modified by the Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”). As such, we are eligible for and intend to take advantage of certain exemptions from various reporting requirements applicable to other public companies that are not emerging growth companies for as long as we continue to be an emerging growth company, including (i) the exemption from the auditor attestation requirements with respect to internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act, (ii) the exemptions from say-on-pay, say-on-frequency and say-on-golden parachute voting requirements and (iii) reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements.

We will remain an emerging growth company until the earlier of: (i) the last day of the fiscal year (a) following the fifth anniversary of the closing of the FSDC initial public offering, (b) in which we have total annual gross revenue of at least \$1.07 billion, or (c) in which we are deemed to be a “large accelerated filer” under the Exchange Act, which would occur if the market value of our common equity held by non-affiliates exceeds \$700.0 million as of the last business day of our most recently completed second fiscal quarter; or (ii) the date on which we have issued more than \$1.0 billion in non-convertible debt securities during the prior three-year period.

In addition, the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected to avail ourselves of this extended transition period and, as a result, we may adopt new or revised accounting standards on the relevant dates on which adoption of such standards is required for non-public companies instead of the dates required for other public companies.

Implications of Being a Smaller Reporting Company

We are also a “smaller reporting company” as defined in Rule 12b-2 of the Exchange Act. Smaller reporting companies may take advantage of certain reduced disclosure obligations, including, among other things, providing only two years of audited financial statements. We will remain a smaller reporting company until the last day of any fiscal year for so long as either (1) the market value of our shares of common stock held by non-affiliates does not equal or exceed \$250.0 million as of the prior June 30th, or (2) our annual revenues did not equal or exceed \$100.0 million during such completed fiscal year and the market value of our shares of common stock held by non-affiliates did not equal or exceed \$700.0 million as of the prior June 30th. To the extent we take advantage of any reduced disclosure obligations, it may make comparison of our financial statements with other public companies difficult or impossible.

Corporate Information

In January 2022, the Company became a remote-first company. Accordingly, the Company does not currently maintain a physical headquarters. Our website address is <https://geminitherapeutics.com/>. The information contained in or accessible from our website is not incorporated into this prospectus, and you should not consider it part of this prospectus. We have included our website address in this prospectus solely as an inactive textual reference.

THE OFFERING

Shares of Common Stock offered by the Selling Securityholders 22,832,920 shares

Use of Proceeds All of the shares of Common Stock offered by the Selling Securityholders pursuant to this prospectus will be sold by the Selling Securityholders for their respective accounts. We will not receive any of the proceeds from these sales.

Nasdaq Ticker Symbol Common Stock: "GMTX"

RISK FACTORS

An investment in our securities involves risks and uncertainties. Before making an investment decision, you should carefully consider these risks as well as other information we include or incorporate by reference in this prospectus. In particular, you should carefully consider the information under the heading “Risk Factors,” as well as the factors listed under the heading “Forward-Looking Statements,” in each case contained in our Annual Report on Form 10-K for our most recent fiscal year, in any Quarterly Reports on Form 10-Q that have been filed since our most recent Annual Report on Form 10-K and in any other documents that we file (not furnish) with the SEC under the Exchange Act, each of which is incorporated by reference in this prospectus. Any of the risks described could significantly and negatively affect our business, financial condition, results of operations, cash flows and prospects and the trading price of our securities. The risks and uncertainties identified are not the only risks and uncertainties we face. If any of the material risks or uncertainties that we face were to occur, you could lose part or all of your investment.

USE OF PROCEEDS

All of the shares of Common Stock offered by the Selling Securityholders pursuant to this prospectus will be sold by the Selling Securityholders for their respective accounts. We will not receive any of the proceeds from these sales.

DESCRIPTION OF CAPITAL STOCK

The following summary of certain provisions of our securities does not purport to be complete and is subject to the Charter, the Bylaws and the provisions of applicable law. Copies of the Charter and the Bylaws are incorporated by reference to this prospectus as Exhibits 3.1 and 3.2, respectively.

Authorized and Outstanding Stock

The Charter authorizes the issuance of 260,000,000 shares, consisting of 250,000,000 shares of Common Stock, \$0.0001 par value per share, and 10,000,000 shares of preferred stock, \$0.0001 par value. As of February 28, 2022, 43,208,159 shares of Common Stock and no shares of preferred stock are outstanding.

Common Stock

The Charter provides the following with respect to the rights, powers, preferences and privileges of the Common Stock.

Voting Power

Except as otherwise required by law or as otherwise provided in any certificate of designation for any series of preferred stock, the holders of Common Stock possess all voting power for the election of Gemini's directors and all other matters requiring stockholder action. Holders of Common Stock are entitled to one vote per share on matters to be voted on by stockholders.

Dividends

Holders of Common Stock will be entitled to receive such dividends, if any, as may be declared from time to time by the Board in its discretion out of funds legally available therefor. In no event will any stock dividends or stock splits or combinations of stock be declared or made on Common Stock unless the shares of Common Stock at the time outstanding are treated equally and identically.

Liquidation, Dissolution and Winding Up

In the event of Gemini's voluntary or involuntary liquidation, dissolution, distribution of assets or winding-up, the holders of the Common Stock will be entitled to receive an equal amount per share of all of Gemini's assets of whatever kind available for distribution to stockholders, after the rights of the holders of the preferred stock have been satisfied.

Preemptive or Other Rights

There are no sinking fund provisions applicable to the Common Stock.

Preferred Stock

The Board has the authority to issue shares of preferred stock from time to time on terms it may determine, to divide shares of preferred stock into one or more series and to fix the designations, preferences, privileges, and restrictions of preferred stock, including dividend rights, conversion rights, voting rights, terms of redemption, liquidation preference, sinking fund terms, and the number of shares constituting any series or the designation of any series to the fullest extent permitted by the DGCL. The issuance of preferred stock could have the effect of decreasing the trading price of Common Stock, restricting dividends on the capital stock of Gemini, diluting the voting power of the Common Stock, impairing the liquidation rights of the capital stock of Gemini, or delaying or preventing a change in control of Gemini.

Election of Directors and Vacancies

Subject to the rights of the holders of any series of preferred stock to elect additional directors under specified circumstances and the terms and conditions of the Voting Agreement, dated February 5, 2021, by and among us and the other parties thereto (the "Voting Agreement"), the number of directors of the Board shall be fixed solely and exclusively by resolution duly adopted from time to time by the Board.

Under the Bylaws, at all meetings of stockholders called for the election of directors, a plurality of the votes properly cast is sufficient to elect such directors to the Board.

Table of Contents

Except as the DGCL or the Voting Agreement may otherwise require and subject to the rights, if any, of the holders of any series of preferred stock, in the interim between annual meetings of stockholders or special meetings of stockholders called for the election of directors and/or the removal of one or more directors and the filling of any vacancy in that connection, newly created directorships and any vacancies on the Board, including unfilled vacancies resulting from the removal of directors, may be filled only by the affirmative vote of a majority of the remaining directors then in office, although less than a quorum, or by the sole remaining director. All directors will hold office until the expiration of their respective terms of office and until their successors will have been elected and qualified. A director elected or appointed to fill a vacancy resulting from the death, resignation or removal of a director or a newly created directorship will serve for the remainder of the full term of the class of directors in which the new directorship was created or the vacancy occurred and until his or her successor will have been elected and qualified. Subject to the rights, if any, of any series of preferred stock, any director may be removed from office only with cause and only by the affirmative vote of the holders of not less than two-thirds of the outstanding voting stock (as defined below) of Gemini then entitled to vote at an election of directors. Any such director proposed to be removed from office is entitled to advance written notice as described in the Certificate of Incorporation. Subject to the terms and conditions of the Voting Agreement, in case the Board or any one or more directors should be so removed, new directors may be elected at the same time for the unexpired portion of the full term of the director or directors so removed.

In addition to the powers and authorities hereinbefore or by statute expressly conferred upon them, the directors are empowered to exercise all such powers and do all such acts and things as may be exercised or done by Gemini, subject, nevertheless, to the provisions of the DGCL, the Certificate of Incorporation and to any Bylaws adopted and in effect from time to time; provided, however, that no Bylaw so adopted will invalidate any prior act of the directors which would have been valid if such Bylaw had not been adopted.

Notwithstanding the foregoing provisions, any director elected pursuant to the right, if any, of the holders of preferred stock to elect additional directors under specified circumstances will serve for such term or terms and pursuant to such other provisions as specified in the relevant certificate of designations related to the preferred stock.

Quorum

The holders of a majority of the voting power of the capital stock issued and outstanding and entitled to vote thereat, present in person or represented by proxy, will constitute a quorum at all meetings of the stockholders for the transaction of business except as otherwise required by law or provided by the Certificate of Incorporation. If, however, such quorum will not be present or represented at any meeting of the stockholders, the holders of a majority of the voting power present in person or represented by proxy, will have power to adjourn the meeting from time to time, without notice other than announcement at the meeting, until a quorum will be present or represented. At such adjourned meeting at which a quorum will be present or represented, any business may be transacted which might have been transacted at the meeting as originally noticed. If the adjournment is for more than thirty (30) days, or if after the adjournment a new record date is fixed for the adjourned meeting, a notice of the adjourned meeting will be given to each stockholder entitled to vote at such adjourned meeting as of the record date fixed for notice of such adjourned meeting.

Anti-Takeover Provisions

Charter and Bylaws

Among other things, the Charter and Bylaws:

- permit the Board to issue up to 10,000,000 shares of preferred stock, with any rights, preferences and privileges as they may designate, including the right to approve an acquisition or other change of control;
- provide that the authorized number of directors may be changed only by resolution of the Board;
- provide that, subject to the rights of any series of preferred stock to elect directors, directors may be removed only with cause by the holders of at least 66²/₃% of all of our then-outstanding shares of the capital stock entitled to vote generally at an election of directors;
- provide that all vacancies, including newly created directorships, may, except as otherwise required by law, be filled by the affirmative vote of a majority of directors then in office, even if less than a quorum;
- provide that stockholders seeking to present proposals before a meeting of stockholders or to nominate candidates for election as directors at a meeting of stockholders must provide advance notice in writing, and also specify requirements as to the form and content of a stockholder's notice;

Table of Contents

- provide that Special Meetings of Gemini’s stockholders may be called by the Board pursuant to a resolution adopted by a majority of the total number of authorized directors;
- provide that the Board is divided into three classes of directors, with the classes to be as nearly equal as possible, and with the directors serving three-year terms, therefore making it more difficult for stockholders to change the composition of our Board; and
- do not provide for cumulative voting rights, therefore allowing the holders of a majority of the shares of common stock entitled to vote in any election of directors to elect all of the directors standing for election, if they should so choose.

The combination of these provisions will make it more difficult for the existing stockholders to replace the Board as well as for another party to obtain control of Gemini by replacing the Board. Because the Board has the power to retain and discharge its officers, these provisions could also make it more difficult for existing stockholders or another party to effect a change in management. In addition, the authorization of undesignated preferred stock makes it possible for the Board to issue preferred stock with voting or other rights or preferences that could impede the success of any attempt to change our control.

These provisions are intended to enhance the likelihood of continued stability in the composition of the Board and its policies and to discourage coercive takeover practices and inadequate takeover bids. These provisions are also designed to reduce Gemini’s vulnerability to hostile takeovers and to discourage certain tactics that may be used in proxy fights. However, such provisions could have the effect of discouraging others from making tender offers for Gemini’s shares and may have the effect of delaying changes in our control or management. As a consequence, these provisions may also inhibit fluctuations in the market price of our stock.

Delaware Anti-Takeover Law

We have opted out of Section 203 of the DGCL. Section 203 of the DGCL prohibits a Delaware corporation from engaging in a “business combination” with an “interested stockholder” (i.e. a stockholder owning 15% or more of company’s voting stock) for three years following the time that the “interested stockholder” becomes such, subject to certain exceptions.

Limitations on Liability and Indemnification of Officers and Directors

The Certificate of Incorporation limits the liability of the directors of Gemini to the fullest extent permitted by the DGCL, and the Bylaws provide that we will indemnify them to the fullest extent permitted by such law. We have entered and expect to continue to enter into agreements to indemnify our directors, executive officers and other employees as determined by our Board. Under the terms of such indemnification agreements, we are required to indemnify each of our directors and officers, to the fullest extent permitted by the laws of the state of Delaware, if the basis of the indemnitee’s involvement was by reason of the fact that the indemnitee is or was a director or officer of Gemini or any of its subsidiaries or was serving at Gemini’s request in an official capacity for another entity. We must indemnify our officers and directors against all reasonable fees, expenses, charges and other costs of any type or nature whatsoever, including any and all expenses and obligations paid or incurred in connection with investigating, defending, being a witness in, participating in (including on appeal), or preparing to defend, be a witness or participate in any completed, actual, pending or threatened action, suit, claim or proceeding, whether civil, criminal, administrative or investigative, or establishing or enforcing a right to indemnification under the indemnification agreement. The indemnification agreements also require us, if so requested, to advance within 10 days of such request all reasonable fees, expenses, charges and other costs that such director or officer incurred, provided that such person will return any such advance if it is ultimately determined that such person is not entitled to indemnification by us. Any claims for indemnification by our directors and officers may reduce our available funds to satisfy successful third-party claims against us and may reduce the amount of money available to us.

Exclusive Jurisdiction of Certain Actions

The Bylaws require, to the fullest extent permitted by law, unless Gemini consents in writing to the selection of an alternative forum, that derivative actions brought in the name of Gemini, actions against directors, officers and employees for breach of fiduciary duty, actions asserting a claim arising pursuant to any provision of the DGCL or the Certificate of Incorporation or the Bylaws, actions to interpret, apply, enforce or determine the validity of the Certificate of Incorporation or the Bylaws and actions asserting a claim against Gemini governed by the internal affairs doctrine may be brought only in the Court of Chancery in the State of Delaware and, if brought outside of Delaware, the stockholder bringing the suit will be deemed to have consented to service of process on such stockholder’s counsel. Although we believe this provision benefits Gemini by providing increased consistency in the application of Delaware law in the types of lawsuits to which it applies, the provision may have the effect of discouraging lawsuits against our directors and officers.

In addition, the Bylaws require that, unless Gemini consents in writing to the selection of an alternative forum, the United States District Court for the District of Massachusetts shall be the sole and exclusive forum for resolving any action asserting a claim arising under the Securities Act. Gemini has chosen the United States District Court for the District of Massachusetts as the exclusive forum for such Securities Act causes of action.

Rule 144

Pursuant to Rule 144 of the Securities Act (“Rule 144”), a person who has beneficially owned restricted shares of our Common Stock for at least six months would be entitled to sell their securities, *provided* that (i) such person is not deemed to have been one of our “affiliates” at the time of, or at any time during the three months preceding, a sale, (ii) we are subject to the Exchange Act periodic reporting requirements for at least 90 days before the sale and (iii) we have filed all required reports under Section 13 or 15(d) of the Exchange Act during the 12 months (or such shorter period as we were required to file reports) preceding the sale. After a one-year holding period, assuming we remain subject to the Exchange Act reporting requirements, such a person may sell their securities without regard to clause (iii) in the prior sentence.

Persons who have beneficially owned restricted shares of our Common Stock for at least six months but who are our affiliates at the time of, or at any time during the three months preceding, a sale, would be subject to additional restrictions, by which such person would be entitled to sell within any three-month period only a number of securities that does not exceed the greater of:

- one percent (1%) of the total number of shares of Common Stock then outstanding; or
- the average weekly reported trading volume of the Common Stock during the four calendar weeks preceding the filing of a notice on Form 144 with respect to the sale.

Sales by our affiliates under Rule 144 are also limited by manner of sale provisions and notice requirements and to the availability of current public information about us.

Restrictions on the Use of Rule 144 by Shell Companies or Former Shell Companies

Rule 144 is not available for the resale of securities initially issued by shell companies (other than business combination related shell companies) or issuers that have been at any time previously a shell company, including us. However, Rule 144 also includes an important exception to this prohibition if the following conditions are met at the time of such resale:

- the issuer of the securities that was formerly a shell company has ceased to be a shell company;
- the issuer of the securities is subject to the reporting requirements of Section 13 or 15(d) of the Exchange Act;
- the issuer of the securities has filed all Exchange Act reports and material required to be filed, as applicable, during the preceding 12 months (or such shorter period that the issuer was required to file such reports and materials), other than Form 8-K reports; and
- at least one year has elapsed from the time that the issuer filed current Form 10 type information with the SEC reflecting its status as an entity that is not a shell company.

As of the date of this prospectus, we believe the foregoing conditions have been met.

Transfer Agent

The transfer agent for our common stock is Continental Stock Transfer & Trust Company.

**SECURITY OWNERSHIP OF
CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following table sets forth information regarding the beneficial ownership of the Common Stock as of February 28, 2022:

- each person who is known to be the beneficial owner of more than 5% of Gemini’s outstanding Common Stock;
- each of Gemini’s current executive officers and directors;
- all executive officers and directors of Gemini as a group.

Beneficial ownership is determined according to the rules of the SEC, which generally provide that a person has beneficial ownership of a security if he, she or it possesses sole or shared voting or investment power over that security, including options and warrants (as applicable) that are currently exercisable or exercisable within 60 days of February 28, 2022. Unless otherwise indicated, Gemini believes that all persons named in the table have sole voting and investment power with respect to all Common Stock beneficially owned by them. The percentage of shares beneficially owned if based on 43,208,159 shares of Common Stock outstanding as of February 28, 2022.

<u>Name and Address of Beneficial Owner</u>	<u>Number of Shares</u>	<u>%</u>
<i>Directors and Officers:</i>		
Georges Gemayel(2)	11,367	*
Brian Piekos(1)	138,407	*
Samuel Barone(2)	63,803	*
Carl Gordon	—	
David Lubner(2)	52,676	*
Tuyen Ong(2)	45,981	*
Jason Rhodes	—	
Jim Tananbaum(3)	4,870,250	11.3
All Directors and Executive Officers as a group (8 individuals)	5,182,484	12.0
<i>Five Percent Holders:</i>		
FS Development Holdings, LLC(3)	4,870,250	11.3
Orbimed Private Investments VI, LP(4)	5,826,224	13.5
Entities affiliated with Atlas Ventures(5)	5,254,365	12.2
Entities affiliated with Lightstone Ventures(6)	4,836,106	11.2
Entities affiliated with Fidelity(7)	2,789,500	6.5
Franklin Resources, Inc.(8)	2,512,773	5.8
Suvretta Capital Management, LLC(9)	2,372,267	5.5

* Less than one percent.

- (1) Represents shares currently held and shares of Common Stock that are currently exercisable or exercisable within 60 days of February 28, 2022.
- (2) Represents shares of Common Stock that are currently exercisable or exercisable within 60 days of February 28, 2022.
- (3) FS Development Holdings, LLC is the record holder of 4,870,250 shares reported herein. Foresite Capital Management V, LLC (“FCM V”), is the general partner of Foresite Capital Fund V LP (“FCM V LP”) and Foresite Capital Opportunity Management V, LLC (“FCOM V”) is the general partner of Foresite Capital Opportunity Fund V, L.P. (“FCOM LP”), with FCM LP and FCOM LP being the sole members of FS Development Holdings, LLC. FCM V and FCOM V, as general managers of the sole members, have voting and investment discretion with respect to the common stock held of record by FS Development Holdings, LLC. Dr. Tananbaum, in his capacity as managing member of FCM V and FCOM V, may be deemed to have voting and investment discretion over these shares. Each of FCM V LP, FCOM LP, FCM V, FCOM V and Dr. Tananbaum disclaim beneficial ownership of these shares except to the extent of any pecuniary interest therein.
- (4) Represents 5,189,187 shares held by OrbiMed Private Investments VI, LP. OrbiMed Capital GP VI LLC, or GP VI, is the general partner of OrbiMed Private Investments VI, LP, or OPI VI. OrbiMed Advisors LLC, or OrbiMed Advisors, is the managing member of GP VI. By virtue of such relationships, OrbiMed Advisors and GP VI may be deemed to have voting and investment power with respect to the shares held by OPI VI and as a result may be deemed to have beneficial ownership of these shares. OrbiMed Advisors exercises investment and voting power through a management committee comprised of Carl Gordon, Sven H. Borho, and Jonathan T. Silverstein, each of whom disclaims beneficial ownership of the shares held by OPI.
- (5) Represents 3,533,927 shares held by Atlas Venture Fund X, L.P. (“Atlas Fund X”), 641,926 shares held by Atlas Venture Opportunity Fund I, L.P. (“Atlas Fund I”), and 510,000 shares held by Atlas Venture Fund XII, L.P. (“Atlas Fund XII”). Atlas Venture Associates X, L.P. is the general partner of Atlas Fund X, and Atlas Venture Associates X, LLC is the general partner of

Table of Contents

Atlas Venture Associates X, L.P. Each of Atlas Fund X, Atlas Venture Associates X, L.P., and Atlas Venture Associates X, LLC may be deemed to beneficially own the shares held by Atlas Fund X. Each of Atlas Venture Associates X, L.P. and Atlas Venture Associates X, LLC disclaim Section 16 beneficial ownership of the securities owned by Atlas Fund X, except to the extent of its pecuniary interest therein, if any. Atlas Venture Associates Opportunity I, L.P. is the general partner of Atlas Fund I, and Atlas Venture Associates Opportunity I, LLC, or AVAO, LLC, is the general partner of Atlas Venture Associates Opportunity I, L.P. Each of Atlas Fund I, Atlas Venture Associates Opportunity I, L.P. and AVAO, LLC may be deemed to beneficially own the shares held by Atlas Fund I. Each of Atlas Venture Associates Opportunity I, L.P. and AVAO LLC disclaim Section 16 beneficial ownership of the securities owned by Atlas Fund I, except to the extent of its pecuniary interest therein, if any. The general partner of Atlas Fund XII is Atlas Venture Associates XII, L.P. (“AVA XII LP”). Atlas Venture Associates XII, LLC (“AVA XII LLC”) is the general partner of AVA XII LP. Each of Atlas Fund XII, AVA XII LP, and AVA XII LLC may be deemed to beneficially own the shares held by Atlas Fund XII. Each of AVA XII LP and AVA XII LLC disclaim Section 16 beneficial ownership of the securities owned by Atlas Fund XII, except to the extent of its pecuniary interest therein, if any.

- (6) The shares are owned as follows: (i) 2,422,995 by Lightstone Ventures, L.P. (“LV LP”), (ii) 336,099 by Lightstone Ventures (A), L.P. (“LV(A) LP”), and (iii) 1,501,438 by Lightstone Singapore, L.P. (“LV Singapore”). LSV Associates, LLC (“LSV Associates”) is the General Partner of LV Singapore, LV LP and LV(A) LP. As the individual general partners of LSV Associates, Michael A. Carusi, Jean M. George and Henry A. Plain Jr. share voting and dispositive power with respect to the shares held of record by LV Singapore, LV LP and LV(A) LP.
- (7) Fidelity Management & Research Company, or Fidelity, 82 Devonshire Street, Boston, Massachusetts 02109, a wholly owned subsidiary of FMR LLC and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940, is the beneficial owner of such shares of common stock as a result of acting as investment adviser to various investment companies registered under Section 8 of the Investment Company Act of 1940. Abigail P. Johnson is a Director, the Chairman, the Chief Executive Officer and the President of FMR LLC. Members of the Johnson family, including Abigail P. Johnson, are the predominant owners, directly or through trusts, of Series B voting common shares of FMR LLC, representing 49% of the voting power of FMR LLC. The Johnson family group and all other Series B shareholders have entered into a shareholders’ voting agreement under which all Series B voting common shares will be voted in accordance with the majority vote of Series B voting common shares. Accordingly, through their ownership of voting common shares and the execution of the shareholders’ voting agreement, members of the Johnson family may be deemed, under the Investment Company Act of 1940, to form a controlling group with respect to FMR LLC. Neither FMR LLC nor Abigail P. Johnson has the sole power to vote or direct the voting of the shares owned directly by the various investment companies registered under the Investment Company Act (“Fidelity Funds”) advised by Fidelity, which power resides with the Fidelity Funds’ Boards of Trustees. Fidelity carries out the voting of the shares under written guidelines established by the Fidelity Funds’ Boards of Trustees.
- (8) Based on the information included in the Schedule 13G filed by Franklin Resources, Inc (“Franklin”) on December 31, 2021, Charles B. Johnson (“Mr. Johnson”), Rupert H. Johnson, Jr. (“Mr. Johnson Jr.”), and Franklin Advisors, Inc. (“Franklin Advisors”). The address of Franklin, Mr. Johnson, Mr. Johnson Jr., and Franklin Advisors is One Franklin Parkway, San Mateo, California 94403.
- (9) Based on the information included in the Schedule 13G filed by Suvretta Capital Management, LLC (“Suvretta”) on December 31, 2021, Averill Master Fund, Ltd. (“Averill”) and Aaron Cowen. The address of the principal business office of Suvretta and Mr. Cowen is c/o Suvretta Capital Management, LLC, 540 Madison Avenue, 7th Floor, New York, New York 10022. The address of the principal business office of Averill is c/o Maples Corporate Services Limited, P.O. Box 309, Ugland House, Grand Cayman KY1-1104, Cayman Islands.

SELLING SECURITYHOLDERS

This prospectus relates to the resale by the Selling Securityholders from time to time of up to an aggregate of 22,832,920 shares of Common Stock that were issued to the PIPE Investors in the PIPE Financing and to certain of our stockholders as consideration in connection with the Business Combination. The Selling Securityholders may from time to time offer and sell any or all of the securities set forth below pursuant to this prospectus and any accompanying prospectus supplement. When we refer to the “Selling Securityholders” in this prospectus, we mean the persons listed in the table below, their permitted transferees and others who later come to hold any of the Selling Securityholders’ interest in the Common Stock other than through a public sale.

The following table sets forth, as of the date of this prospectus, the names of the Selling Securityholders, the aggregate number of shares of Common Stock beneficially owned, the aggregate number of shares of Common Stock that the Selling Securityholders may offer pursuant to this prospectus and the number of shares of Common Stock beneficially owned by the Selling Securityholders after the sale of the securities offered hereby. The percentage of beneficial ownership of after the offered securities are sold is calculated based on 43,208,159 shares of Common Stock outstanding as of February 28, 2022.

We have determined beneficial ownership in accordance with the rules of the SEC and the information is not necessarily indicative of beneficial ownership for any other purpose. Unless otherwise indicated below, to our knowledge, the persons and entities named in the tables have sole voting and sole investment power with respect to all securities that they beneficially own, subject to community property laws where applicable.

We cannot advise you as to whether the Selling Securityholders will in fact sell any or all of such Common Stock. In addition, the Selling Securityholders may sell, transfer or otherwise dispose of, at any time and from time to time, the Common Stock in transactions exempt from the registration requirements of the Securities Act after the date of this prospectus. For purposes of this table, we have assumed that the Selling Securityholders will have sold all of the securities covered by this prospectus upon the completion of the offering.

The description of our relationships with certain of the Selling Securityholders and their affiliates set forth in the section of our Registration Statement entitled “*Certain Relationships and Related Party Transactions*” is incorporated by reference herein.

[Table of Contents](#)

Selling Securityholder	Securities Beneficially Owned prior to the Offering	Securities Being Offered in the Offering	Securities Beneficially Owned After the Offered Securities are Sold	
	Shares of Common Stock	Shares of Common Stock	Shares of Common Stock	%
Funds associated with Atlas Venture (1)	5,254,365	5,254,365	—	—
FS Development Holdings, LLC (2)	4,870,250	4,870,250	—	—
Funds associated with Lightstone Ventures (3)	4,836,106	4,836,106	—	—
OrbiMed Private Investments VI, L.P. (4)	5,826,224	5,826,224	—	—
Wu Capital Investment LLC (5)	2,045,975	2,045,975	—	—

- (1) Consists of (i) 4,015,045 shares held of record by Atlas Venture Fund X, L.P., (ii) 729,320 shares held of record by Atlas Venture Opportunity Fund I, L.P. and (iii) 510,000 shares of common stock purchased in the PIPE Financing held by Atlas Venture Fund XII, L.P. The address of funds associated with Atlas Venture is 300 Technology Sq., 8th Floor, Cambridge, MA 02139.
- (2) Consists of (i) 3,370,250 shares held of record and (ii) 1,500,000 shares of common stock purchased in the PIPE Financing. The address of FS Development Holdings, LLC is 600 Montgomery Street, Suite 4500, San Francisco, CA 94111.
- (3) Consists of (i) 2,752,868 shares held of record by Lightstone Ventures, L.P., (ii) 375,040 shares held of record by Lightstone Ventures (A), L.P., (iii) 1,308,198 shares held of record by Lightstone Singapore, L.P., (iv) 44,000 shares of common stock purchased in the PIPE Financing held by Lightstone Ventures, L.P., (v) 6,000 shares of common stock purchased in the PIPE Financing held by Lightstone Ventures (A), L.P. and (vi) 350,000 shares of common stock purchased in the PIPE Financing held by Lightstone Singapore, L.P. The address of funds associated with Lightstone Ventures is 500 Boylston St., Suite 1380, Boston, MA 02116.
- (4) Consists of (i) 5,316,224 shares held of record and (ii) 510,000 shares of common stock purchased in the PIPE Financing. The address of OrbiMed Private Investments VI, L.P. is 601 Lexington Avenue, 54th Floor, New York, NY 10022.
- (5) Consists of (i) 1,905,975 shares held of record and (ii) 140,000 shares of common stock purchased in the PIPE Financing. The address of Wu Capital Investment LLC is 1065 East Hillsdale Blvd., Suite 245, Foster City, CA 94404.

PLAN OF DISTRIBUTION

We are registering the possible offer and sale from time to time by the Selling Securityholders, or their permitted transferees, of up to an aggregate of 22,832,920 shares of our Common Stock that were issued to PIPE Investors in a private placement in connection with the Closing and to certain of our stockholders as consideration in connection with the Business Combination. We are also registering any additional securities that may become issuable by reason of share splits, share dividends or other similar transactions.

We will not receive any proceeds from the sale of shares of Common Stock by the Selling Securityholders pursuant to this prospectus. The Selling Securityholders will pay any underwriting discounts and commissions and expenses incurred by the Selling Securityholders incurred by the Selling Securityholders in disposing of the securities. We will bear all other costs, fees and expenses incurred in effecting the registration of the securities covered by this prospectus, including, without limitation, all registration and filing fees, Nasdaq listing fees and fees and expenses of our counsel and our independent registered public accountants.

The securities beneficially owned by the Selling Securityholders covered by this prospectus may be offered and sold from time to time by the Selling Securityholders. The term "Selling Securityholders" includes donees, pledgees, transferees or other successors-in-interest selling securities received after the date of this prospectus from a Selling Securityholder as a gift, pledge, partnership distribution or other transfer. The Selling Securityholders will act independently of us in making decisions with respect to the timing, manner and size of each sale. Such sales may be made on one or more exchanges or in the over-the-counter market or otherwise, at prices and under terms then prevailing or at prices related to the then current market price or in negotiated transactions. Each Selling Securityholder reserves the right to accept and, together with its respective agents, to reject, any proposed purchase of securities to be made directly or through agents. The Selling Securityholders and any of their permitted transferees may sell their securities offered by this prospectus on any stock exchange, market or trading facility on which the securities are traded or in private transactions. If underwriters are used in the sale, such underwriters will acquire the shares for their own account. These sales may be at a fixed price or varying prices, which may be changed, or at market prices prevailing at the time of sale, at prices relating to prevailing market prices or at negotiated prices. The securities may be offered to the public through underwriting syndicates represented by managing underwriters or by underwriters without a syndicate. The obligations of the underwriters to purchase the securities will be subject to certain conditions. The underwriters will be obligated to purchase all the securities offered if any of the securities are purchased.

Subject to the limitations set forth the Registration Rights Agreement, the Selling Securityholders may use any one or more of the following methods when selling the securities offered by this prospectus:

- purchases by a broker-dealer as principal and resale by such broker-dealer for its own account pursuant to this prospectus;
- ordinary brokerage transactions and transactions in which the broker solicits purchasers;
- block trades in which the broker-dealer so engaged will attempt to sell the securities as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- an over-the-counter distribution in accordance with the rules of the Nasdaq;
- through trading plans entered into by a Selling Securityholder pursuant to Rule 10b5-1 under the Exchange Act that are in place at the time of an offering pursuant to this prospectus and any applicable prospectus supplement hereto that provide for periodic sales of their securities on the basis of parameters described in such trading plans;
- through one or more underwritten offerings on a firm commitment or best efforts basis;
- settlement of short sales entered into after the date of this prospectus;
- agreements with broker-dealers to sell a specified number of the securities at a stipulated price per share or warrant;
- in "at the market" offerings, as defined in Rule 415 under the Securities Act, at negotiated prices, at prices prevailing at the time of sale or at prices related to such prevailing market prices, including sales made directly on a national securities exchange or sales made through a market maker other than on an exchange or other similar offerings through sales agents;
- directly to purchasers, including through a specific bidding, auction or other process or in privately negotiated transactions;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;

Table of Contents

- through a combination of any of the above methods of sale; or
- any other method permitted pursuant to applicable law.

In addition, a Selling Securityholder that is an entity may elect to make a pro rata in-kind distribution of securities to its members, partners or stockholders pursuant to the registration statement of which this prospectus is a part by delivering a prospectus with a plan of distribution. Such members, partners or stockholders would thereby receive freely tradeable securities pursuant to the distribution through a registration statement. To the extent a distributee is an affiliate of ours (or to the extent otherwise required by law), we may file a prospectus supplement in order to permit the distributees to use the prospectus to resell the securities acquired in the distribution.

There can be no assurance that the Selling Securityholders will sell all or any of the securities offered by this prospectus. In addition, the Selling Securityholders may also sell securities under Rule 144 under the Securities Act, if available, or in other transactions exempt from registration, rather than under this prospectus. The Selling Securityholders have the sole and absolute discretion not to accept any purchase offer or make any sale of securities if they deem the purchase price to be unsatisfactory at any particular time.

The Selling Securityholders also may transfer the securities in other circumstances, in which case the transferees, pledgees or other successors-in-interest will be the selling beneficial owners for purposes of this prospectus. Upon being notified by a Selling Securityholder that a donee, pledgee, transferee, other successor-in-interest intends to sell our securities, we will, to the extent required, promptly file a supplement to this prospectus to name specifically such person as a selling securityholder.

With respect to a particular offering of the securities held by the Selling Securityholders, to the extent required, an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement of which this prospectus is part, will be prepared and will set forth the following information:

- the specific securities to be offered and sold;
- the names of the selling securityholders;
- the respective purchase prices and public offering prices, the proceeds to be received from the sale, if any, and other material terms of the offering;
- settlement of short sales entered into after the date of this prospectus;
- the names of any participating agents, broker-dealers or underwriters; and
- any applicable commissions, discounts, concessions and other items constituting compensation from the selling securityholders.

In connection with distributions of the securities or otherwise, the Selling Securityholders may enter into hedging transactions with broker-dealers or other financial institutions. In connection with such transactions, broker-dealers or other financial institutions may engage in short sales of the securities in the course of hedging the positions they assume with Selling Securityholders. The Selling Securityholders may also sell the securities short and redeliver the securities to close out such short positions. The Selling Securityholders may also enter into option or other transactions with broker-dealers or other financial institutions which require the delivery to such broker-dealer or other financial institution of securities offered by this prospectus, which securities such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction). The Selling Securityholders may also pledge securities to a broker-dealer or other financial institution, and, upon a default, such broker-dealer or other financial institution, may effect sales of the pledged securities pursuant to this prospectus (as supplemented or amended to reflect such transaction).

In order to facilitate the offering of the securities, any underwriters or agents, as the case may be, involved in the offering of such securities may engage in transactions that stabilize, maintain or otherwise affect the price of our securities. Specifically, the underwriters or agents, as the case may be, may over-allot in connection with the offering, creating a short position in our securities for their own account. In addition, to cover overallocations or to stabilize the price of our securities, the underwriters or agents, as the case may be, may bid for, and purchase, such securities in the open market. Finally, in any offering of securities through a syndicate of underwriters, the underwriting syndicate may reclaim selling concessions allotted to an underwriter or a broker-dealer for distributing such securities in the offering if the syndicate repurchases previously distributed securities in transactions to cover syndicate short positions, in stabilization transactions or otherwise. Any of these activities may stabilize or maintain the market price of the securities above independent market levels. The underwriters or agents, as the case may be, are not required to engage in these activities, and may end any of these activities at any time.

[Table of Contents](#)

The Selling Securityholders may solicit offers to purchase the securities directly from, and it may sell such securities directly to, institutional investors or others. In this case, no underwriters or agents would be involved. The terms of any of those sales, including the terms of any bidding or auction process, if utilized, will be described in the applicable prospectus supplement.

It is possible that one or more underwriters may make a market in our securities, but such underwriters will not be obligated to do so and may discontinue any market making at any time without notice. We cannot give any assurance as to the liquidity of the trading market for our securities.

Our Common Stock is listed on Nasdaq under the symbol “GMTX”.

The Selling Securityholders may authorize underwriters, broker-dealers or agents to solicit offers by certain purchasers to purchase the securities at the public offering price set forth in the prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. The contracts will be subject only to those conditions set forth in the prospectus supplement, and the prospectus supplement will set forth any commissions we or the Selling Securityholders pay for solicitation of these contracts.

A Selling Securityholder may enter into derivative transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with those derivatives, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third party may use securities pledged by any Selling Securityholder or borrowed from any Selling Securityholder or others to settle those sales or to close out any related open borrowings of stock, and may use securities received from any Selling Securityholder in settlement of those derivatives to close out any related open borrowings of stock. The third party in such sale transactions will be an underwriter and will be identified in the applicable prospectus supplement (or a post-effective amendment). In addition, any Selling Securityholder may otherwise loan or pledge securities to a financial institution or other third party that in turn may sell the securities short using this prospectus. Such financial institution or other third party may transfer its economic short position to investors in our securities or in connection with a concurrent offering of other securities.

In effecting sales, broker-dealers or agents engaged by the Selling Securityholders may arrange for other broker-dealers to participate. Broker-dealers or agents may receive commissions, discounts or concessions from the Selling Securityholders in amounts to be negotiated immediately prior to the sale.

In compliance with the guidelines of the Financial Industry Regulatory Authority (“FINRA”), the aggregate maximum discount, commission, fees or other items constituting underwriting compensation to be received by any FINRA member or independent broker-dealer will not exceed 8% of the gross proceeds of any offering pursuant to this prospectus and any applicable prospectus supplement.

If at the time of any offering made under this prospectus a member of FINRA participating in the offering has a “conflict of interest” as defined in FINRA Rule 5121 (“Rule 5121”), that offering will be conducted in accordance with the relevant provisions of Rule 5121.

To our knowledge, there are currently no plans, arrangements or understandings between the Selling Securityholders and any broker-dealer or agent regarding the sale of the securities by the Selling Securityholders. Upon our notification by a Selling Securityholder that any material arrangement has been entered into with an underwriter or broker-dealer for the sale of securities through a block trade, special offering, exchange distribution, secondary distribution or a purchase by an underwriter or broker-dealer, we will file, if required by applicable law or regulation, a supplement to this prospectus pursuant to Rule 424(b) under the Securities Act disclosing certain material information relating to such underwriter or broker-dealer and such offering.

Underwriters, broker-dealers or agents may facilitate the marketing of an offering online directly or through one of their affiliates. In those cases, prospective investors may view offering terms and a prospectus online and, depending upon the particular underwriter, broker-dealer or agent, place orders online or through their financial advisors.

[Table of Contents](#)

In offering the securities covered by this prospectus, the Selling Securityholders and any underwriters, broker-dealers or agents who execute sales for the Selling Securityholders may be deemed to be “underwriters” within the meaning of the Securities Act in connection with such sales. Any discounts, commissions, concessions or profit they earn on any resale of those securities may be underwriting discounts and commissions under the Securities Act.

The underwriters, broker-dealers and agents may engage in transactions with us or the Selling Securityholders, or perform services for us or the Selling Securityholders, in the ordinary course of business.

In order to comply with the securities laws of certain states, if applicable, the securities must be sold in such jurisdictions only through registered or licensed brokers or dealers. In addition, in certain states the securities may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

The Selling Securityholders and any other persons participating in the sale or distribution of the securities will be subject to applicable provisions of the Securities Act and the Exchange Act, and the rules and regulations thereunder, including, without limitation, Regulation M. These provisions may restrict certain activities of, and limit the timing of purchases and sales of any of the securities by, the Selling Securityholders or any other person, which limitations may affect the marketability of the shares of the securities.

We will make copies of this prospectus available to the Selling Securityholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. The Selling Securityholders may indemnify any agent, broker-dealer or underwriter that participates in transactions involving the sale of the securities against certain liabilities, including liabilities arising under the Securities Act.

We have agreed to indemnify the Selling Securityholders against certain liabilities, including certain liabilities under the Securities Act, the Exchange Act or other federal or state law. Agents, broker-dealers and underwriters may be entitled to indemnification by us and the Selling Securityholders against certain civil liabilities, including liabilities under the Securities Act, or to contribution with respect to payments which the agents, broker-dealers or underwriters may be required to make in respect thereof.

We have agreed to use our commercially reasonable efforts to maintain the effectiveness of this registration statement (a) until the earlier of (i) the tenth anniversary of the date of the Registration Rights Agreement, (ii) the date as of which (A) all of the securities have been sold pursuant to the registration statement or (B) the holders of all securities subject to the Registration Rights Agreement are permitted to sell the securities under Rule 144 (or any similar provision) under the Securities Act without limitation on the amount of securities sold or the manner of sale; provided that with respect to any investor party to the Registration Rights Agreement, such investor will have no rights under the Registration Rights Agreement upon the earlier of (x) the date such investor ceases to hold at least 1% of the securities pursuant to such Registration Rights Agreement or (y) if such investor is an individual and such investor is a director or an executive officer of Gemini as of immediately prior to the consummation of the Business Combination, the date when such investor is permitted to sell the securities under Rule 144 (or any similar provision) under the Securities Act without limitation on the amount of securities sold or the manner of sale and (b) with respect to the PIPE Investors, until the earliest of (i) the third anniversary of the closing of the Subscription Agreement, (ii) the date on which the investor ceases to hold any shares issued pursuant to the Subscription Agreement, or (iii) on the first date on which the investor can sell all of its shares issued pursuant to the Subscription Agreement under Rule 144 of the Securities Act without limitations.

LEGAL MATTERS

The validity of the Common Stock to be issued in connection with this prospectus has been passed upon by Goodwin Procter LLP, Boston, Massachusetts.

EXPERTS

The consolidated financial statements of Gemini Therapeutics, Inc. appearing in Gemini Therapeutics, Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2021 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public on the internet at a website maintained by the SEC located at <http://www.sec.gov>.

We also maintain a website at <https://geminitherapeutics.com/>. You may access, free of charge, our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC.

DOCUMENTS INCORPORATED BY REFERENCE

The SEC allows us to “incorporate by reference” into this prospectus the documents that we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus. We incorporate by reference into this prospectus the following documents, each for SEC File Number 333-253175, and in each case, excluding the portions of any document not deemed to be “filed” with the SEC:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2021, filed with the SEC on [March 10, 2022](#)
- our Current Reports on Form 8-K, filed with the SEC on [January 10, 2022](#), [January 14, 2022](#), and [February 28, 2022](#)
- the description of our Common Stock contained in our Registration Statement on [Form 8-A/A](#), as filed with the SEC on February 5, 2021.

All reports and other documents we subsequently file pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the termination of this offering, including all such documents we may file with the SEC after the date of the initial registration statement and prior to the effectiveness of the registration statement, but excluding any information furnished to, rather than filed with, the SEC, will also be incorporated by reference into this prospectus and deemed to be part of this prospectus from the date of the filing of such reports and documents. Any statement contained in this prospectus, or in a document incorporated or deemed to be incorporated by reference herein, shall be deemed to be modified or superseded to the extent that a statement contained herein, or in any subsequently filed document that also is incorporated or deemed to be incorporated by reference herein, modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed to constitute a part of this prospectus, except as so modified or superseded.

You may obtain copies of these documents, at no cost to you, from our website (<https://geminitherapeutics.com/>).



22,832,920 Shares of Common Stock
PROSPECTUS
March 10, 2022

You should rely only on the information contained in this prospectus. We have not authorized anyone to provide you with different information. You should not assume that the information contained in this prospectus is accurate as of any date other than the date of this prospectus. We are not making an offer of these securities in any state where the offer is not permitted.

PART II
Information Not Required in Prospectus

ITEM 14. Other Expenses of Issuance and Distribution.

The expenses payable by Gemini in connection with the distribution of the securities being registered (other than underwriting discounts and commissions, if any) are set forth below. Each item listed is estimated, except for the SEC registration fee.

	<u>Amount</u>
SEC registration fee	\$ *
Accounting fees and expenses	\$25,000
Legal fees and expenses	\$45,000
Miscellaneous fees and expenses	\$ 4,000
Total expenses	<u>\$74,000</u>

* Previously paid.

ITEM 15. Indemnification of Directors and Officers.

Section 145(a) of the DGCL provides, in general, that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation), because he or she is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding, if he or she acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful.

Section 145(b) of the DGCL provides, in general, that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor because the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if he or she acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests

[Table of Contents](#)

of the corporation, except that no indemnification shall be made with respect to any claim, issue or matter as to which he or she shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery or other adjudicating court determines that, despite the adjudication of liability but in view of all of the circumstances of the case, he or she is fairly and reasonably entitled to indemnity for such expenses that the Court of Chancery or other adjudicating court shall deem proper.

Section 145(g) of the DGCL provides, in general, that a corporation may purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against such person and incurred by such person in any such capacity, or arising out of his or her status as such, whether or not the corporation would have the power to indemnify the person against such liability under Section 145 of the DGCL.

Our Certificate of Incorporation, which became effective upon completion of the Business Combination, provides that no director of ours shall be personally liable to us or our stockholders for monetary damages for any breach of fiduciary duty as a director, except for liability (1) for any breach of the director's duty of loyalty to us or our stockholders, (2) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (3) in respect of unlawful dividend payments or stock redemptions or repurchases, or (4) for any transaction from which the director derived an improper personal benefit. In addition, our Certificate of Incorporation provides that if the DGCL is amended to authorize the further elimination or limitation of the liability of directors, then the liability of a director of ours shall be eliminated or limited to the fullest extent permitted by the DGCL, as so amended.

Our Certificate of Incorporation further provides that any repeal or modification of such article by its stockholders or amendment to the DGCL will not adversely affect any right or protection existing at the time of such repeal or modification with respect to any acts or omissions occurring before such repeal or modification of a director serving at the time of such repeal or modification.

Our Bylaws provide that we will indemnify each person who was or is a party or threatened to be made a party to any threatened, pending or completed action, suit or proceeding whether civil, criminal, administrative or investigative (other than an action by or in the right of the Company) by reason of the fact that he or she is or was, or has agreed to become, the Company's director or officer, or is or was serving, or has agreed to serve, at our request as a director, officer, partner, employee or trustee of, or in a similar capacity with, another corporation, partnership, joint venture or other enterprise (all such persons being referred to as an Indemnitee), or by reason of any action alleged to have been taken or omitted in such capacity, against all expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred in connection with such action, suit or proceeding and any appeal therefrom, if such Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to our best interests, and, with respect to any criminal action or proceeding, he or she had no reasonable cause to believe his or her conduct was unlawful. Our Bylaws also provides that we will advance expenses to Indemnitees in connection with a legal proceeding, subject to limited exceptions.

In connection with the Business Combination, we entered into indemnification agreements with each of our directors and executive officers. These agreements provide that we will indemnify each of our directors and such officers to the fullest extent permitted by law and our Certificate of Incorporation and our Bylaws.

We will also maintain a general liability insurance policy, which will cover certain liabilities of directors and officers of ours arising out of claims based on acts or omissions in their capacities as directors or officers.

ITEM 16. Exhibits.

The Index to Exhibits immediately following this registration statement is hereby incorporated by reference.

ITEM 17. Undertakings.

The undersigned registrant hereby undertakes:

- A. To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (i) To include any prospectus required by section 10(a)(3) of the Securities Act.
 - (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.
 - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.
- B. That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- C. To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- D. That, for the purpose of determining liability under the Securities Act to any purchaser:
 - (i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
 - (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof; provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date;

That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

Table of Contents

- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser;
- F. That, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof;
- G. Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue; and

INDEX TO EXHIBITS

The following exhibits are included or incorporated by reference in this registration statement on Form S-3 (certain documents have been previously filed with the SEC pursuant to the Exchange Act by Gemini (Commission File Number 333-253175)):

Exhibit Number	Exhibit Title
1.1*	Form of Underwriting Agreement
3.1	Second Amended and Restated Articles of Incorporation of Gemini Therapeutics, Inc. (incorporated by reference to Exhibit 3.1 to Current Report on Form 8-K filed on February 11, 2021).
3.2	Amended and Restated Bylaws of Gemini Therapeutics, Inc. (incorporated by reference to Annex C to the Proxy Statement/Prospectus on Form S-4 (Registration No. 333-249785)).
4.6	Registration Rights Agreement, dated February 5, 2021, by and among Gemini Therapeutics, Inc. and the stockholders party thereto (incorporated by reference to Exhibit 10.1 on Form 8-A12B/A filed on February 5, 2021).
5.1	Opinion of Goodwin Procter LLP.
23.1	Consent of Ernst & Young LLP, independent registered accounting firm for Gemini Therapeutics, Inc.
23.2	Consent of Goodwin Procter LLP (include as part of Exhibit 5.1).
24.1	Power of Attorney (included on signature page of this Registration Statement).

* To be filed, if necessary, subsequent to the effectiveness of this registration statement by an amendment to this registration statement or incorporated by reference pursuant to a Current Report on Form 8-K in connection with the offering of securities.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, Gemini Therapeutics, Inc. certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in March on 10, 2022.

Gemini Therapeutics, Inc.

/s/ Georges Gemayel

Dr. Georges Gemayel

Interim President and Chief Executive Officer

(Principal Executive Officer)

POWER OF ATTORNEY

Each of the undersigned, whose signature appears below, hereby constitutes and appoints Dr. Georges Gemayel, and each of them, his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any or all amendments, including post-effective amendments and any registration statement for the same offering that is to be effective under Rule 462(b) of the Securities Act of 1933, as amended, to this registration statement and to file the same with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing necessary or appropriate to be done with respect to this registration statement or any amendments hereto in the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or his or their substitute or substitutes, may lawfully do or cause to be done by virtue thereof. This power of attorney shall be governed by and construed with the laws of the State of Delaware and applicable federal securities laws.

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Name</u>	<u>Position</u>	<u>Date</u>
<u>/s/ Georges Gemayel</u> Dr. Georges Gemayel	Executive Chair, Interim Principal Executive Officer	Dated: March 10, 2022
<u>/s/ Brian Piekos</u> Brian Piekos	Principal Financial and Principal Accounting Officer	Dated: March 10, 2022
<u>/s/ Jim Tananbaum</u> Dr. Jim Tananbaum	Director	Dated: March 10, 2022
<u>/s/ Carl Gordon</u> Dr. Carl Gordon	Director	Dated: March 10, 2022
<u>/s/ David Lubner</u> David Lubner	Director	Dated: March 10, 2022
<u>/s/ Tuyen Ong</u> Dr. Tuyen Ong	Director	Dated: March 10, 2022
<u>/s/ Jason Rhodes</u> Jason Rhodes	Director	Dated: March 10, 2022

March 10, 2022

Gemini Therapeutics, Inc.

Re: Securities Registered under Registration Statement on Form S-3

We have acted as counsel to you in connection with your filing of a Registration Statement on Form S-3 (as amended or supplemented, the "Registration Statement") pursuant to the Securities Act of 1933, as amended (the "Securities Act"), relating to the offer and sale from time to time of up to 22,832,920 shares (the "Common Stock") of Gemini Therapeutics, Inc. (the "Company"), \$0.0001 par value per share, which includes up to 22,832,920 shares of Common Stock (the "Selling Securityholder Shares") to be sold by the selling securityholders listed in the Registration Statement under "Selling Securityholders" (the "Selling Securityholders").

We have reviewed such documents and made such examination of law as we have deemed appropriate to give the opinions set forth below. We have relied, without independent verification, on certificates of public officials and, as to matters of fact material to the opinions set forth below, on certificates of officers of the Company.

The opinion set forth below is limited to the Delaware General Corporation Law.

Based on the foregoing, we are of the opinion that the Selling Securityholder Shares have been duly authorized and validly issued and are fully paid and non-assessable.

We hereby consent to the inclusion of this opinion as Exhibit 5.1 to the Registration Statement and to the references to our firm under the caption "Legal Matters" in the Registration Statement. In giving our consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

Very truly yours,

/s/ Goodwin Procter LLP
GOODWIN PROCTER LLP

Consent of Independent Registered Public Accounting Firm

We consent to the reference to our firm under the caption “Experts” in the Registration Statement (Form S-3) and related Prospectus of Gemini Therapeutics, Inc. and to the incorporation by reference therein of our report dated March 10, 2022, with respect to the consolidated financial statements of Gemini Therapeutics, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2021, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Boston, Massachusetts
March 10, 2022