UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

Form S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

BioXcel Therapeutics, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

82-1386754

(I.R.S. Employer Identification Number)

555 Long Wharf Drive New Haven, CT 06511 (475) 238-6837

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

Vimal Mehta, Ph.D. Chief Executive Officer BioXcel Therapeutics, Inc. 780 East Main Street Branford, CT 06405 (203) 643-8060

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

Copies to:

N. Danny Shulman Emily Johns Honigman LLP 1440 New York Avenue, NW Suite 200 Washington, DC 20005 (202) 844 3380

APPROXIMATE DATE OF COMMENCEMENT OF PROPOSED SALE TO THE PUBLIC: From time to time 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	k 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 th Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box. ⊠	ıe
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 th Securities Act registration statement number of the earlier effective registration statement for the same offering. \Box	ıe
If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective on 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 additisecurities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box. □	iona
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company and "emerging growth company" in Rule 12b-2 of the Exchange Act.	
Large accelerated filer ☐ Accelerated filer ☐ Non-accelerated filer ☒ Smaller reporting company Emerging growth company	
If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section $7(a)(2)(B)$ of Securities Act. \square	

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 which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

SUBJECT TO COMPLETION, DATED JANUARY 10, 2025

PROSPECTUS



BioXcel Therapeutics, Inc.

5,100,000 Shares of Common Stock

This prospectus relates to the resale by the selling stockholders named herein, or their pledgees, donees, transferees or other successors in interest, from time to time, of up to 5,100,000 shares of our common stock issuable upon exercise of warrants granted in connection with that certain (i) fourth amendment to credit agreement and guaranty dated as of March 20, 2024 and (ii) fifth amendment to credit agreement and guaranty and first amendment to fourth amendment to credit agreement and guaranty, dated as of November 21, 2024, to the credit agreement and guaranty dated as of April 19, 2022, as subsequently amended, by and among BioXcel Therapeutics, Inc., Oaktree Fund Administration, LLC as the administrative agent, and the lenders party thereto, as amended. The shares of common stock issuable upon exercise of the warrants are referred to herein as the Securities. We are registering the Securities on behalf of the selling stockholders, to be offered and sold from time to time, to satisfy certain registration rights that we have granted to the selling stockholders.

The selling stockholders may resell or dispose of the Securities, or interests therein, at fixed prices, at prevailing market prices at the time of sale or at prices negotiated with purchasers, to or through underwriters, broker-dealers, agents, or through any other means described in the section of this prospectus entitled "Plan of Distribution". The selling stockholders will each bear their respective commissions and discounts, if any, attributable to the sale or disposition of the Securities, or interests therein, held by such selling stockholder. We will bear all costs, expenses and fees in connection with the registration of the Securities. We will not receive any of the proceeds from the sale of the Securities by the selling stockholders.

Our common stock is listed on the Nasdaq Capital Market under the symbol "BTAI." On January 8, 2025, the last reported sale price of our common stock on the Nasdaq Capital Market was \$0.386 per share.

INVESTING IN OUR SECURITIES INVOLVES RISKS. SEE THE "RISK FACTORS" CONTAINED OR INCORPORATED BY REFERENCE IN THIS PROSPECTUS CONCERNING FACTORS YOU SHOULD CONSIDER BEFORE INVESTING IN OUR SECURITIES.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement filed with the U.S. Securities and Exchange Commission, or the SEC, using a "shelf" registration process. By using a shelf registration statement, the selling stockholders may sell up to 5,100,000 shares of our common stock from time to time in one or more offerings as described in this prospectus. We will not receive any proceeds from the sale by the selling stockholders of the Securities offered pursuant to this prospectus.

We may also file a prospectus supplement or post-effective amendment to the registration statement of which this prospectus forms a part that may contain material information relating to these offerings. The prospectus supplement or post-effective amendment may also add, update or change information contained in this prospectus with respect to that offering. If there is any inconsistency between the information in this prospectus and the applicable prospectus supplement or post-effective amendment, you should rely on the prospectus supplement or post-effective amendment, as applicable. Before purchasing any securities, you should carefully read this prospectus, any post-effective amendment, and any applicable prospectus supplement, together with the additional information described under the heading "Where You Can Find More Information."

Neither we, nor the selling stockholders, have authorized anyone to provide you with any information or to make any representations other than those contained or incorporated by reference in this prospectus, any post-effective amendment, or any applicable prospectus supplement prepared by or on behalf of us or to which we have referred you. We and the selling stockholders take no responsibility for and can provide no assurance as to the reliability of any other information that others may give you. We and the selling stockholders will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus, any post-effective amendment and any applicable prospectus supplement to this prospectus is accurate only as of the date on its respective cover. Our business, financial condition, results of operations and prospects may have changed since those dates. This prospectus incorporates by reference, and any post-effective amendment or any prospectus supplement may contain or incorporate by reference, market data and industry statistics and forecasts that are based on independent industry publications and other publicly available information.

Although we believe these sources are reliable, we do not guarantee the accuracy or completeness of this information and we have not independently verified this information. In addition, the market and industry data and forecasts that may be incorporated by reference in this prospectus, any post-effective amendment or any prospectus supplement may involve estimates, assumptions and other risks and uncertainties and are subject to change based on various factors, including those discussed under the heading "Risk Factors" incorporated by reference in this prospectus, any post-effective amendment and any applicable prospectus supplement. Accordingly, investors should not place undue reliance on this information

When we refer to "BioXcel," "we," "our," "us" and the "Company" in this prospectus, we mean BioXcel Therapeutics, Inc. and its consolidated subsidiaries, unless otherwise specified. When we refer to "you," we mean the potential purchasers of the Securities.

We have proprietary rights to a number of trademarks used in this prospectus which are important to our business, including the BTI logo. Solely for convenience, the trademarks and trade names in this prospectus are referred to without the and message and summary symbols, but such references should not be construed as any indicator that their respective owners will not assert, to the fullest extent under applicable law, their rights thereto. All other trademarks, trade names and service marks appearing in this prospectus are the property of their respective owners.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. We intend such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act of 1933, as amended (the "Securities Act") and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). The words "anticipate," "believe," "can," "continue," "could," "designed," "estimate," "expect," "forecast," "goal," "intend," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "target," "will," "would" and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions. All statements contained or incorporated by reference in this prospectus, other than statements of historical fact, are forward-looking statements, including, without limitation, statements regarding:

- our sales strategy for IGALMITM;
- strategy relating to, anticipated benefits from, and cost savings from our reprioritization of certain
 indications for BXCL501 and the deprioritization of certain other indications of BXCL501, including
 as a potential adjunctive treatment for major depressive disorder, as well as our BXCL701 immunooncology program;
- developments relating to our SERENITY At-Home and TRANQUILITY In-Care trials;
- our ability to extend our cash runway;
- our plans relating to clinical trials for our product candidates;
- our plans to research, develop and commercialize our current and future product candidates;
- our plans to seek to enter into collaborations for the development and commercialization of certain product candidates;
- the potential benefits of any future collaboration;
- the timing of and our ability to obtain and maintain regulatory approvals, including 505(b)(2) regulatory approval, for our product candidates;
- the rate and degree of market acceptance, clinical utility, number of prescribers and formulary wins of IGALMI and any product candidates for which we receive marketing approval;
- our commercialization, marketing and manufacturing capabilities and strategy, including the
 potential benefits from any advertising campaigns;
- our participation in, and any potential benefits from, events, conferences, presentations and conventions;
- our intellectual property position and strategy;
- our estimates regarding expenses, future revenue, capital requirements and need for additional financing;
- potential investments in, or other strategic options for, our subsidiary, OnkosXcel Therapeutics, LLC;
- developments relating to our competitors and our industry;
- · the impact of government laws and regulations; and
- our relationship with BioXcel LLC.

The foregoing list sets forth some, but not all, of the factors that could affect our ability to achieve results described in any forward-looking statements. You should read this prospectus and the documents incorporated by reference herein completely and with the understanding that our actual future results may be materially different from what we expect. You should assume that the information appearing in this prospectus is accurate as of the date on the front cover of this prospectus only. Because the risk factors referred to in this prospectus and incorporated herein by reference could cause actual results or outcomes to differ materially from those expressed in any forward-looking statements made by us or on our behalf, you

should not place undue reliance on any forward-looking statements. Further, any forward-looking statement speaks only as of the date on which it is made, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which the statement is made or to reflect the occurrence of unanticipated events. New factors emerge from time to time, and it is not possible for us to predict which factors will arise. In addition, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. We qualify all of the information presented in this prospectus and the documents incorporated by reference herein, and particularly our forward-looking statements, by these cautionary statements.

SUMMARY

The following summary highlights information contained elsewhere in this prospectus. This summary is not complete and does not contain all of the information that you need to consider before making an investment decision. For a more complete understanding of our company, you should read and consider carefully the more detailed information included or incorporated by reference in this prospectus and any applicable prospectus supplement, including the factors described under the heading "Risk Factors" of this prospectus, as well as the information incorporated by reference from our most recent Annual Report on Form 10-K and our most recent Quarterly Reports on Form 10-O, before making an investment decision.

Overview of the Company

BioXcel Therapeutics, Inc. is a biopharmaceutical company utilizing artificial intelligence ("AI") approaches to develop transformative medicines in neuroscience and immuno-oncology. We are focused on utilizing cutting-edge technology and innovative research to develop high-value therapeutics aimed at transforming patients' lives. We employ proprietary AI platforms to reduce therapeutic development costs and potentially accelerate development timelines. Our approach leverages existing approved drugs and/or clinically evaluated product candidates together with big data and proprietary machine learning algorithms to identify new therapeutic indications. We believe this differentiated approach has the potential to reduce the expense and time associated with drug development in diseases with substantial unmet medical needs.

Our most advanced neuroscience asset is BXCL501. In indications other than those approved by the United States ("U.S.") Food and Drug Administration ("FDA") as IGALMITM, BXCL501 is an investigational, proprietary, orally dissolving film formulation of dexmedetomidine (or "Dex") in development for the treatment of agitation associated with psychiatric and neurological disorders. On April 6, 2022, we announced that the FDA approved IGALMITM sublingual film for the acute treatment of agitation associated with schizophrenia or bipolar I or II disorder in adults. IGALMI is approved to be self-administrated by patients under the supervision of a health care provider. On July 6, 2022, we announced that IGALMI was commercially available in doses of 120 and 180 microgram through the Company's third-party logistics provider and was available for order through wholesalers.

Recent Developments

Public Offering

On November 25, 2024, pursuant to an underwriting agreement (the "Underwriting Agreement"), dated as of November 22, 2024, between the Company and Canaccord Genuity LLC, as underwriter (the "Underwriter"), the Company issued (i) 5,600,000 shares of common stock, and accompanying warrants to purchase 5,600,000 shares of common stock, at a combined public offering price of \$0.48 per share, and, in lieu thereof to certain investors, (ii) pre-funded warrants to purchase 9,000,000 shares of common stock, and accompanying warrants to purchase 9,000,000 shares of common stock, at a combined public offering price of \$0.479 per pre-funded warrant, which equals the public offering price per share of common stock and accompanying warrant less the \$0.001 exercise price per share of the pre-funded warrants, less underwriting discounts and commissions in a public offering (the "Public Offering"), pursuant to an effective shelf registration statement on Form S-3 (Registration No. 333-275261) and a related prospectus supplement filed with the Securities and Exchange Commission (the "SEC"). Each of the warrants issued in the Public Offering is subject to customary beneficial ownership limitations on exercisability, is exercisable at any time after the date of issuance of such warrant and, in the case of the accompanying warrants, will expire on the fifth anniversary of the date of issuance. Each of the accompanying warrants has an exercise price of \$0.48 per underlying share of common stock.

Credit Agreement Amendment

On November 21, 2024, the Company entered into the Fifth Amendment to Credit Agreement and Guaranty and First Amendment to Fourth Amendment to Credit Agreement and Guaranty (the "Fifth Amendment"), which amended the Credit Agreement and Guaranty, dated April 19, 2022, by and among the Company, as the borrower, certain subsidiaries of the Company from time to time party thereto as subsidiary guarantors, the lenders party thereto (the "Lenders"), and Oaktree Fund Administration LLC

("OFA") as administrative agent (as amended by the Waiver and First Amendment to Credit Agreement and Guaranty, dated as of November 13, 2023, the Second Amendment to Credit Agreement and Guaranty and Termination of Revenue Interest Financing Agreement, dated as of December 5, 2023, the Third Amendment to Credit Agreement, dated as of February 12, 2024, and the Fourth Amendment to Credit Agreement and Guaranty, dated as of March 20, 2024 (the "Fourth Amendment"), and collectively, the "Existing Credit Agreement").

Pursuant to the Fourth Amendment the Lenders waived the covenant that we do not receive a report and opinion from our independent registered public accounting firm that contains a "going concern" or similar qualification with respect to our financial statements for the year ended December 31, 2023. For additional information regarding the Fourth Amendment, see the summary and complete text of the Fourth Amendment included in the Company's annual report on Form 10-K that was filed on March 22, 2024 and is incorporated herein by reference.

Pursuant to the Fifth Amendment, the Lenders and Company agreed to a number of modifications of the covenants and other terms in the Existing Credit Agreement. For additional information regarding the Fifth Amendment, see the summary and complete text of the Fifth Amendment included in the Company's current report on Form 8-K that was filed on November 21, 2024 and is incorporated herein by reference.

Fourth Amendment Warrants

In connection with the Fourth Amendment, on March 20, 2024, the Company issued warrants to the Lenders to purchase up to 100,000 shares of common stock of the company, at an amended exercise price of \$0.48 per share (the "Fourth Amendment Warrants"). The Fourth Amendment Warrants will expire on the fifth anniversary of their issuance, April 19, 2029, and may be net exercised at the holder's election.

Fifth Amendment Warrants and Registration Rights Agreement

Substantially concurrently with the closing of the Public Offering, the Company issued new warrants to the Lenders to purchase up to 5.0 million shares of common stock of the Company, at an exercise price of \$0.01 per share (the "Fifth Amendment Warrants"). The Fifth Amendment Warrants will expire on the seventh anniversary of their issuance, November 25, 2031, and may be net exercised at the holder's election. Substantially concurrently with the closing of the Public Offering, the Company also entered into the Third Amended and Restated Registration Rights Agreement, dated as of November 25, 2024, by and among the Company and the Lenders. Pursuant to the Third Amended and Restated Registration Rights Agreement the Company agreed to register the shares of common stock issuable under the Fifth Amendment Warrants.

In addition, substantially concurrently with the closing of the Public Offering the Company amended and restated all warrants to purchase common stock of the Company issued to the Lenders prior to the effective date of the Fifth Amendment, to revise the exercise price thereunder to \$0.48 per share (such existing warrants, as amended and restated, the "Original Warrants"). The Original Warrants provide the Lenders with the right to purchase a total of 448,150 shares of common stock of the Company.

Warrant Exercise Price Adjustment

On November 21, 2024, the exercise price of warrants to purchase 8,545,398 shares of common stock previously issued in March 2024 was reduced to \$0.571 per share.

Director Appointment

On November 21, 2024, the Board of Directors of the Company (the "Board") increased the size of the Board from six to seven directors.

On November 21, 2024, the Board appointed David Mack to the Board, effective November 21, 2024. Mr. Mack will serve as a Class I director for a term expiring at the Company's annual meeting of stockholders to be held in 2025 and until his successor is duly elected and qualified or his earlier death, disqualification, resignation or removal. In connection with his appointment, Mr. Mack was also appointed to the Compensation Committee, effective with his commencement of service, as well as the newly formed Capital Raising Committee.

Mr. Mack is eligible to participate in the Company's Non-Employee Director Compensation Program, which provides for annual compensation in the form of cash and equity-based awards. In addition, pursuant to the terms of the Offer Letter, Mr. Mack shall receive (i) a cash payment of \$90,000, paid in monthly installments of \$15,000 on the last date of each month for six months beginning November 30, 2024, with such cash amount to be accelerated in full if Mr. Mack resigns or is removed from the Board any time after four months from the effective date of his appointment and (ii) a grant of RSUs under the Company's 2020 Incentive Award Plan to receive an aggregate of 325,077 shares of the Company's common stock underlying the RSUs that vest in twelve equal installments on the last date of each month beginning on November 30, 2024. Following his service as a member of the Board for 12 months, he will receive compensation in accordance with the Company's Non-Employee Director Compensation Program.

Amendments to Executive Employment Agreements

On January 7, 2025, the Company amended its executive employment agreements with three key executives: its Chief Executive Officer, Vimal Mehta, its Chief Financial Officer, Richard Steinhart, and its Chief Scientific Officer, Frank Yocca (the "Amendments"). The Amendments reduced their 2025 cash base compensation to \$706,558, \$289,800, and \$290,500 respectively, while granting them stock options to purchase 660,000, 270,000, and 270,000 shares respectively of Company common stock at \$0.4713 per share, vesting monthly over twelve months under the Company's 2020 Incentive Award Plan.

Intellectual Property Updates

The Company previously announced that it had received an issue notification from the USPTO for U.S. Patent Application No. 18/600,431, from which U.S. Patent No. 12,138,247 (the "'431 Patent") was issued on November 12, 2024. The '431 Patent claims a method of treating agitation using an oromucosal formulation of dexmedetomidine. The '431 Patent has an expiration date of January 12, 2043, subject to PTA, PTE and terminal disclaimers.

As of November 18, 2024, the '431 Patent has been accepted for listing in the FDA Approved Drug Products with Therapeutic Equivalence Evaluations (commonly known as the "Orange Book").

Nasdaq Matters

On September 16, 2024, the Company received a letter from The Nasdaq Stock Market, LLC ("Nasdaq") notifying us that for the last 30 consecutive business days, the bid price for the Company's common stock, par value \$0.001 per share, had closed below the \$1.00 per share minimum bid price requirement for continued listing on The Nasdaq Capital Market under Nasdaq Listing Rule 5550(a)(2) (the "Bid Price Notice"). The Bid Price Notice has no immediate effect on the listing of our common stock, which continues to trade on The Nasdaq Capital Market under the symbol "BTAI."

In accordance with Nasdaq Listing Rule 5810(c)(3)(A), we have a period of 180 calendar days, or until March 17, 2025 (the "Bid Price Compliance Date"), to regain compliance. To regain compliance with the Nasdaq minimum bid price requirement, the closing bid price of our common stock must be at least \$1.00 per share for a minimum of 10 consecutive business days prior to the Bid Price Compliance Date. We intend to monitor the bid price of our common stock and consider available options if our common stock does not trade at a level likely to result in us regaining compliance with Nasdaq's minimum bid price rule by the Bid Price Compliance Date.

In addition, on September 20, 2024, we received a letter from Nasdaq notifying us that for the last 30 consecutive business days prior to the date of the letter, our minimum market value of listed securities was below the minimum of \$35 million required for continued listing on the Nasdaq Capital Market pursuant to Nasdaq Listing Rule 5550(b)(2) (the "Market Value Notice"). The Market Value Notice has no immediate effect on the listing of our common stock, which continues to trade on The Nasdaq Capital Market under the symbol "BTAI."

In accordance with Nasdaq Listing Rule 5810(c)(3)(C), we have a period of 180 calendar days, or until March 19, 2025 (the "Market Value Compliance Date"), to regain compliance. To regain compliance with the minimum market value of listed securities requirement, the market value of our common stock must meet or exceed \$35.0 million for a minimum of 10 consecutive business days during the 180-day grace period ending on the Market Value Compliance Date. If we do not regain compliance with Nasdaq's minimum

market value of listed securities requirement by the Market Value Compliance Date, we will receive written notification that its securities are subject to delisting, at which point we may appeal the delisting determination.

On December 30, 2024, we filed a proxy statement with the SEC related to a special meeting of our stockholders regarding an amendment to our Amended and Restated Certificate of Incorporation, as amended to effect a reverse split of our outstanding common stock.

Our Corporate Information

We filed a certificate of amendment to our amended and restated certificate of incorporation with the Secretary of State of Delaware on June 10, 2024 to increase the number of authorized shares of the Company's common stock from 100,000,000 to 200,000,000. Our principal executive offices are located at 555 Long Wharf Drive, New Haven, Connecticut 06511, and our telephone number is (475) 238-6837. Our website address is www.bioxceltherapeutics.com. The information contained in, or accessible through, our website does not constitute a part of this prospectus.

THE OFFERING

Securities 5,100,000 shares of our common stock, issuable upon

the exercise of (i) the Fifth Amendment Warrants granted in connection with the Fifth Amendment, and (ii) the Fourth Amendment Warrants granted in

connection with the Fourth Amendment.

Terms of the offering

Use of proceeds

The selling stockholders will each determine when and how they will sell the Securities offered in this prospectus, as described in the "Plan of Distribution."

Terms of the Fifth Amendment Warrants and the Fourth Amendment Warrants

Each Fifth Amendment Warrant entitles the holder to purchase one share of common stock, subject to any adjustments, at an exercise price of \$0.01 per share. The Fifth Amendment Warrants will expire on November 25, 2031 and may be net exercised at the holder's election.

Each Fourth Amendment Warrant entitles the holder to purchase one share of common stock, subject to any adjustments, at an exercise price of \$0.48 per share (subject to adjustments provided in the terms of the Fourth Amendment Warrants). The Fourth Amendment Warrants will expire on April 19, 2029 and may be net exercised at the holder's election.

We will not receive any proceeds from the sale of the Securities by the selling stockholders in this offering.

See "Use of Proceeds."

Risk factors See the section under the heading "Risk Factors" in this

prospectus and the other information included in, or incorporated by reference into, this prospectus or any prospectus supplement for a discussion of certain factors you should carefully consider before deciding to invest

in shares of our common stock.

Nasdaq Capital Market symbol "BTAI"

RISK FACTORS

Investment in the Securities offered pursuant to this prospectus and any applicable prospectus supplement involves risks. You should carefully consider the risk factors incorporated by reference herein from our most recent Annual Report on Form 10-K, our most recent Quarterly Report on Form 10-Q, and our recently filed Current Reports on Form 8-K, as well as any subsequent Annual Report on Form 10-K, Quarterly Reports on Form 10-Q or Current Reports on Form 8-K we file after the date of this prospectus, and all other information contained or incorporated by reference into this prospectus, as updated by our subsequent filings under the Exchange Act, and the risk factors and other information contained in the applicable prospectus supplement and any applicable free writing prospectus before acquiring any of such Securities. The occurrence of any of these risks might cause you to lose all or part of your investment in the offered Securities.

USE OF PROCEEDS

We will not receive any proceeds from the sale of the Securities covered by this prospectus and any accompanying prospectus supplement. All proceeds from the sale of the Securities will be for the respective accounts of the selling stockholders named herein. We will bear all other costs, fees and expenses incurred in effecting the registration of the Securities covered by this prospectus and any accompanying prospectus supplement, including, without limitation, all registration and filing fees, Nasdaq listing fees and fees and expenses of our counsel and our accountants, in accordance with the terms of the Third Amended and Restated Registration Rights Agreement entered into by and among the Company and the selling stockholders in connection with the Credit Agreement. Each selling stockholder will each pay any discounts, commissions, and fees of underwriters, selling brokers, dealer managers or similar securities industry professionals incurred by such selling stockholder in disposing of the Securities covered by this prospectus.

SELLING STOCKHOLDERS

We have prepared this prospectus to allow the selling stockholders or their pledgees, donees, transferees or other successors in interest, to sell or otherwise dispose of, from time to time, up to 5,100,000 shares of our common stock issuable upon (i) the exercise of the Fifth Amendment Warrants, and (ii) the exercise of the Fourth Amendment Warrants.

We are registering the above-referenced Securities to permit the selling stockholders and their donees, pledgees, transferees or other successors in interest that receive Securities after the date of this prospectus to resell or otherwise dispose of the Securities in the manner contemplated under "Plan of Distribution" below.

In connection with certain registration rights that we granted to the selling stockholders pursuant to the Third Amended and Restated Registration Rights Agreement, we filed with the SEC a Registration Statement on Form S-3, of which this prospectus forms a part, with respect to the resale or other disposition of the Securities offered by this prospectus from time to time on Nasdaq, in privately negotiated transactions or otherwise.

The following table sets forth the names of each of the selling stockholders and the aggregate number of Securities that the selling stockholders may offer and sell pursuant to this prospectus, as well as other information regarding the beneficial ownership (as determined under Section 13(d) of the Exchange Act and the rules and regulations thereunder) of the shares of common stock of the Company held by the selling stockholder.

The selling stockholders may sell some, all or none of the Securities. We do not know how long the selling stockholders will hold the Securities before selling them, and we currently have no agreements, arrangements or understandings with any selling stockholder regarding the sale or other disposition of any of the Securities. The Securities may be offered and sold from time to time by the selling stockholders pursuant to this prospectus. The information below assumes the offer and sale of all Securities beneficially owned by the selling stockholders and available for sale under this prospectus and assumes no further acquisitions or dispositions of Securities by the selling stockholders. The information set forth below is based upon information obtained from the selling stockholders and upon information in our possession regarding the original issuance of the Fourth Amendment Warrants and the Fifth Amendment Warrants. The percentages of shares owned after the offering are based on 49,628,948 shares of common stock outstanding as of December 17, 2024.

	SHARES BENEFICIALLY	SHARES BEING	SHARES BENEFICIALLY OWNED AFTER THE OFFERING	
SELLING STOCKHOLDER	OWNED PRIOR TO THE OFFERING ⁽⁵⁾	OFFERED HEREBY ⁽⁶⁾	NUMBER OF SHARES	PERCENTAGE
Oaktree-TCDRS Strategic Credit, LLC ⁽¹⁾⁽²⁾	56,172	52,581	3,591	*
Oaktree-Forrest Multi-Strategy, LLC(1)(2)	45,330	42,432	2,898	*
Oaktree-TBMR Strategic Credit Fund C, LLC ⁽¹⁾⁽²⁾	27,350	25,602	1,748	*
Oaktree-TBMR Strategic Credit Fund F, LLC ⁽¹⁾⁽²⁾	42,824	40,086	2,738	*
Oaktree-TBMR Strategic Credit Fund G, LLC ⁽¹⁾⁽²⁾	69,954	65,484	4,470	*
Oaktree-TSE 16 Strategic Credit, LLC ⁽¹⁾⁽²⁾	70,280	65,790	4,490	*
INPRS Strategic Credit Holdings, LLC ⁽¹⁾⁽²⁾	21,464	20,094	1,370	*
Oaktree Specialty Lending Corporation ⁽¹⁾⁽³⁾	511,146	478,482	32,664	*
Oaktree Strategic Credit Fund ⁽¹⁾⁽³⁾	243,587	228,021	15,566	*
Oaktree GCP Fund Delaware Holdings, L.P. (1)(2)	31,163	29,172	1,991	*
Oaktree Diversified Income Fund Inc. (1)(3)	68,211	63,852	4,359	*
Oaktree AZ Strategic Lending Fund, L.P. (1)(2)	399,784	374,238	25,546	*
Oaktree LSL Fund Holdings EURRC S.à.r.l ⁽¹⁾⁽²⁾	811,992	760,104	51,888	*
Oaktree LSL Fund Delaware Holdings EURRC, L.P. (1)(2)	324,818	304,062	20,756	*
Q Boost Holding LLC ⁽⁴⁾	2,724,075	2,550,000	174,075	*

- Less than 1%.
- (1) The principal business address and address for notice of the selling stockholder is 333 S. Grand Avenue, 28th Fl., Los Angeles, California, 90071.
- (2) Oaktree Capital Management, L.P. acts as investment adviser to the selling stockholder.
- (3) Oaktree Fund Advisors, LLC acts as investment adviser to the selling stockholder.
- (4) Q Boost Holding LLC is an entity affiliated with Qatar Investment Authority. The principal business address and address for notice of the selling stockholder is c/o Qatar Investment Authority, Ooredoo Tower (Building 14), Al Dafna Street (Street 801), Al Dafna (Zone 61), Doha, Qatar.
- (5) Consists of shares of common stock issuable upon exercise of the Original Warrants, the Fourth Amendment Warrant and the Fifth Amendment Warrants.
- (6) Consists solely of shares of common stock issuable upon exercise of the Fourth Amendment Warrants and the Fifth Amendment Warrants.

Relationship with the Selling Stockholders

We and the selling stockholders are party to the Credit Agreement, the Third Amended and Restated Registration Rights Agreement, the Original Warrants, the Fourth Amendment Warrants and the Fifth Amendment Warrants. During the last three years, we and the selling stockholders were also party to the RIFA, which was terminated in December 2023.

Credit Agreement and RIFA

For additional information regarding the Credit Agreement and the RIFA, refer to Note 9 to our Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2023, filed with the SEC on November 14, 2023, our Current Report on Form 8-K, filed with the SEC on December 6, 2023 and our Current Report on Form 8-K, filed with the SEC on November 21, 2024, all which reports are incorporated by reference herein.

Third Amended and Restated Registration Rights Agreement

Pursuant to the Third Amended and Restated Registration Rights Agreement, dated November 25, 2024, we agreed to prepare and file with the SEC: (1) a registration statement on Form S-3 for the resale of the shares issuable upon the exercise of the Fourth Amendment Warrants and the Fifth Amendment Warrants granted to the selling stockholders and, subject to certain exceptions, use reasonable best efforts to keep the registration statement of which this prospectus forms a part effective under the Securities Act until the earlier of (i) the 30-month anniversary of the Closing Date (as defined therein), (ii) a Change of Control (as defined therein) and (iii) such time as there are no Registrable Securities (as defined therein) remaining or issuable upon exercise of the Fourth Amendment Warrants and the Fifth Amendment Warrants; and (2) a registration statement on Form S-3 for the resale of the shares issuable upon the exercise of the Fourth Amendment Warrants and the Fifth Amendment Warrants granted to the selling stockholders and, subject to certain exceptions, use reasonable best efforts to keep the registration statement of which this prospectus forms a part effective under the Securities Act until the earlier of (i) the 30-month anniversary of the Effective Date, (ii) a Change of Control and (iii) such time as there are no Registrable Securities remaining or issuable upon exercise of the Fourth Amendment Warrants and the Fifth Amendment Warrants.

We have also agreed, among other things, to indemnify the selling stockholders, their officers, directors, members, employees and agents, successors and assigns, and each other person, if any, who controls such selling stockholders from certain liabilities and to pay all reasonable fees and expenses (except legal fees of more than one counsel to the selling stockholders and excluding discounts, commissions and fees of underwriters, selling brokers, dealer managers or similar securities industry professionals) incurred by us in connection with the registration of the ordinary shares held by the selling stockholders.

Fourth Amendment Warrants

The Fourth Amendment Warrants are exercisable at any time until April 19, 2029 and entitle the selling stockholders to purchase an aggregate of 100,000 shares of our common stock at an exercise price per share of \$0.48 per share, subject to certain adjustments.

Fifth Amendment Warrants

The Fifth Amendment Warrants are exercisable at any time until November 25, 2031 and entitle the selling stockholders to purchase an aggregate of 5,000,000 shares of our common stock at an exercise price per share of \$0.01 per share, subject to certain adjustments.

DESCRIPTION OF CAPITAL STOCK

The following description of our capital stock is not complete and may not contain all the information you should consider before investing in our capital stock. This description is summarized from, and qualified in its entirety by reference to, our first amendment to our amended and restated certificate of incorporation, which has been publicly filed with the SEC. See "Where You Can Find More Information; Incorporation by Reference."

Our authorized capital stock consists of:

- 200,000,000 shares of common stock, \$0.001 par value; and
- 10,000,000 shares of preferred stock, \$0.001 par value.

Common Stock

We are authorized to issue up to a total of 200,000,000 shares of common stock, par value \$0.001 per share. Holders of our common stock are entitled to one vote for each share held on all matters submitted to a vote of our stockholders. Holders of our common stock have no cumulative voting rights. Further, holders of our common stock have no preemptive or conversion rights or other subscription rights.

Upon our liquidation, dissolution or winding-up, holders of our common stock are entitled to share in all assets remaining after payment of all liabilities and the liquidation preferences of any of our outstanding shares of preferred stock. Subject to preferences that may be applicable to any outstanding shares of preferred stock, holders of our common stock are entitled to receive dividends, if any, as may be declared from time to time by our board of directors out of our assets which are legally available. Such dividends, if any, are payable in cash, in property or in shares of capital stock.

The holders of one-third of the voting power of our issued and outstanding capital stock, represented in person or by proxy, are necessary to constitute a quorum for the transaction of business at any meeting. If a quorum is present, an action by stockholders entitled to vote on a matter is approved if the number of votes cast in favor of the action exceeds the number of votes cast in opposition to the action unless a different vote is required by law, the charter, the by-laws or, with respect to a class or series of preferred stock, the terms of any resolution or resolutions adopted by the board of directors. Pursuant to our charter, the election of directors requires a plurality of the votes cast by the stockholders present in person or represented by proxy at the meeting and entitled to vote thereon.

Transfer Agent

The Transfer Agent and Registrar for our common stock is Equiniti Trust Company, LLC (formerly American Stock Transfer and Trust Company).

Dividend

We have never paid or declared any cash dividends on our common stock, and we do not anticipate paying any cash dividends on our common stock in the foreseeable future. We intend to retain all available funds and any future earnings to fund the development and expansion of our business. Any future determination to pay dividends will be at the discretion of our board of directors and will depend upon a number of factors, including our results of operations, financial condition, future prospects, contractual restrictions, restrictions imposed by applicable law and other factors that our board of directors deems relevant.

Preferred Stock

Our board of directors has the authority, without further action by the stockholders, to issue up to 10,000,000 shares of preferred stock in one or more series and to fix the designations, powers, preferences, privileges, and relative participating, optional, or special rights as well as the qualifications, limitations, or restrictions of the preferred stock, including dividend rights, conversion rights, voting rights, terms of redemption, and liquidation preferences, any or all of which may be greater than the rights of the common stock. Our board of directors, without stockholder approval, can issue convertible preferred stock with voting,

conversion, or other rights that could adversely affect the voting power and other rights of the holders of common stock. Preferred stock could be issued quickly with terms calculated to delay or prevent a change of control or make removal of management more difficult. Additionally, the issuance of preferred stock may have the effect of decreasing the market price of our common stock, and may adversely affect the voting and other rights of the holders of common stock.

Anti-Takeover Effects of Certain Provisions of our Charter and Bylaws and the DGCL

Delaware Law

We are governed by the provisions of Section 203 of the Delaware General Corporation Law. In general, Section 203 prohibits a publicly traded Delaware corporation from engaging in a business combination with an interested stockholder for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is approved in a prescribed manner. A business combination includes mergers, asset sales or other transactions resulting in a financial benefit to the stockholder. An interested stockholder is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of the corporation's voting stock, subject to certain exceptions. The statute could have the effect of delaying, deferring or preventing a change in control of our Company.

Classified Board of Directors

Our charter provides that our Board is divided into three classes, with the classes as nearly equal in number as possible and each class serving three-year staggered terms. Directors may only be removed from our board of directors for cause and only by the affirmative vote of holders of a majority of the voting power of all then-outstanding shares of capital stock of the Company entitled to vote generally in the election of directors, voting together as a single class. These provisions may have the effect of deferring, delaying or discouraging hostile takeovers, or changes in control of us or our management.

Board of Directors Vacancies

Our charter and bylaws authorize only our board of directors to fill vacant directorships. In addition, the number of directors constituting our board of directors may be set only by resolution of the majority of the incumbent directors.

Stockholder Action; Special Meeting of Stockholders

Our charter and bylaws provide that our stockholders may not take action by written consent. Our charter and bylaws further provide that special meetings of our stockholders may be called by a majority of the board of directors, the Chief Executive Officer, or the Chairman of the board of directors.

Advance Notice Requirements for Stockholder Proposals and Director Nominations

Our bylaws provide that stockholders seeking to bring business before our annual meeting of stockholders, including to nominate candidates for election as directors at our annual meeting of stockholders, must provide timely notice of their intent in writing. To be timely, a stockholder's notice must be delivered to the Secretary at our principal executive offices not later than the close of business on the 90th day nor earlier than the close of business on the 120th day prior to the first anniversary of the preceding year's annual meeting; provided, however, that in the event the date of the annual meeting is more than 30 days before or more than 60 days after such anniversary date, or if no annual meeting was held in the preceding year, notice by the stockholder to be timely must be so delivered not earlier than the close of business on the 120th day prior to such annual meeting and not later than the close of business on the later of the 90th day prior to such annual meeting or the 10th day following the day on which a public announcement of the date of such meeting is first made by us. These provisions may preclude our stockholders from bringing matters before our annual meeting of stockholders or from making nominations for directors at our annual meeting of stockholders.

Authorized but Unissued Shares

Our authorized but unissued shares of common stock and preferred stock are available for future issuance without stockholder approval and may be utilized for a variety of corporate purposes, including future public offerings to raise additional capital, corporate acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved common stock and preferred stock could render more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

PLAN OF DISTRIBUTION

The selling stockholders, including their pledgees, donees, transferees, distributees, beneficiaries or other successors in interest, may from time to time offer some or all of the Securities by this prospectus. We will not receive any of the proceeds from the sale of the Securities covered by this prospectus by the selling stockholders. The selling stockholders will act independently of us in making decisions with respect to the timing, manner and size of each sale. We will bear all fees and expenses incident to our obligation to register the Securities covered by this prospectus.

The selling stockholders may each sell all or a portion of the Securities beneficially owned by it and offered hereby from time to time directly or through one or more underwriters, broker-dealers or agents. If the Securities are sold through underwriters or broker-dealers, the selling stockholders will each be responsible for underwriting discounts or commissions or agent's commissions in connection with the Securities held by such selling stockholders. The Securities may be sold on any national securities exchange or quotation service on which the Securities may be listed or quoted at the time of sale, in the over-the-counter market or in transactions otherwise than on these exchanges or systems or in the over-the-counter market and in one or more transactions at fixed prices, at prevailing market prices at the time of the sale, at varying prices determined at the time of sale, or at privately negotiated prices. These sales may be effected in transactions, which may involve crosses or block transactions.

The selling stockholders may use any one or more of the following methods when disposing of Securities or interests therein:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the Securities as agent, but may position
 and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an over-the-counter distribution;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- short sales effected after the effective date of the registration statement of which this prospectus is a part;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- 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 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;
- through trading plans entered into by the selling stockholders 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 firm-commitment underwritten public offerings;
- · a combination of any such methods of sale; or
- any other method permitted pursuant to applicable law.

The selling stockholders may each, from time to time, pledge or grant a security interest in some or all of the Securities owned and, if any selling stockholder defaults in the performance of its secured obligations, the pledgees or secured parties may offer and sell the Securities, from time to time, under this prospectus, or under an amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of the selling stockholders to include the pledgee, transferee, or other successors in interest as the selling stockholders under this prospectus. The selling stockholders also may transfer the

Securities in other circumstances, in which case the transferees, pledgees or other successors in interest will be the beneficial owners for purposes of this prospectus.

In connection with the sale of Securities, or interests therein, the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions it assumes. The selling stockholders may also sell Securities short and deliver the Securities to close out any such short positions, or loan or pledge the Securities to broker-dealers that in turn may sell these Securities. The selling stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities 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).

Broker-dealers engaged by the selling stockholders may arrange for other broker-dealers to participate in sales. If the selling stockholders effect certain transactions by selling Securities to or through underwriters, broker-dealers or agents, such underwriters, broker-dealers or agents may receive commissions in the form of discounts, concessions or commissions from such selling stockholders or commissions from purchasers of the Securities for whom they may act as agent or to whom they may sell as principal. Such commissions will be in amounts to be negotiated, but, except as set forth in a supplement to this prospectus, in the case of an agency transaction will not be in excess of a customary brokerage commission in compliance with applicable rules of the Financial Industry Regulatory Authority, or FINRA, and in the case of a principal transaction, a markup or markdown in compliance with applicable FINRA rules

The aggregate proceeds to the selling stockholders from the sale of the Securities offered will be the purchase price of the Securities less discounts or commissions, if any. The selling stockholders reserve the right to accept and, together with their respective agents from time to time, to reject, in whole or in part, any proposed purchase of Securities to be made directly or through agents. The selling stockholders also may resell all or a portion of the Securities in open market transactions in reliance upon Rule 144 under the Securities Act, rather than under this prospectus, provided that each meets the criteria and conforms to the requirements of that rule.

The selling stockholders and any underwriters, broker-dealers or agents that participate in the sale of the Securities, or interests therein, may be deemed to be "underwriters" within the meaning of Section 2(a) (11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the Securities may be underwriting discounts and commissions under the Securities Act. If selling securities pursuant to this prospectus, the selling stockholders are subject to the prospectus delivery requirements of the Securities Act.

To the extent required pursuant to Rule 424(b) under the Securities Act, the Securities to be sold, the names of the selling stockholders, the purchase price and public offering price, the names of any agents, dealer or underwriter, and any applicable commissions or discounts with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

In order to comply with the securities laws of some states, if applicable, the Securities may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the Securities may not be sold unless they have been registered or qualified for sale, or an exemption from registration or qualification requirements is available and the selling stockholder complies with such exemption's requirements.

The selling stockholders and any other person participating in a sale of the Securities registered under this prospectus will be subject to applicable provisions of the Exchange Act, and the rules and regulations thereunder, including, without limitation, to the extent applicable, Regulation M of the Exchange Act, which may limit the timing of purchases and sales of any of the Securities by the selling stockholders and any other participating person.

All of the foregoing may affect the marketability of the Securities and the ability of any person or entity to engage in market-making activities with respect to the Securities. In addition, we will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the selling

stockholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. We have agreed to indemnify the selling stockholders against certain liabilities, including certain liabilities under the Securities Act, the Exchange Act or other federal or state law. We and the selling stockholders may indemnify any broker-dealer that participates in transactions involving the sale of the Securities against certain liabilities, including liabilities arising under the Securities Act.

LEGAL MATTERS

Honigman LLP will pass upon certain legal matters relating to the issuance and sale of the common stock offered hereby on behalf of BioXcel Therapeutics, Inc.

EXPERTS

The consolidated financial statements of BioXcel Therapeutics, Inc. appearing in BioXcel Therapeutics, Inc.'s <u>Annual Report (Form 10-K) for the year ended December 31, 2023</u>, have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon (which contains an explanatory paragraph describing conditions that raise substantial doubt about the Company's ability to continue as a going concern as described in Note 2 to the consolidated financial statements), included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file reports, proxy statements and other information with the SEC. The SEC maintains a web site that contains reports, proxy and information statements and other information about issuers, such as us, who file electronically with the SEC. The address of that website is http://www.sec.gov.

Our web site address is https://www.bioxceltherapeutics.com/. The information contained in, or accessible through, our web site, however, is not, and should not be deemed to be, a part of this prospectus.

This prospectus and any prospectus supplement are part of a registration statement that we filed with the SEC and do not contain all of the information in the registration statement. The full registration statement may be obtained from the SEC or us, as provided below. Statements in this prospectus or any prospectus supplement about these documents are summaries and each statement is qualified in all respects by reference to the document to which it refers. You should refer to the actual documents for a more complete description of the relevant matters. You may inspect a copy of the registration statement through the SEC's website, as provided above.

INCORPORATION BY REFERENCE

The SEC's rules allow us to "incorporate by reference" information into this prospectus, which means that we can disclose important information to you by referring you to another document filed separately with the SEC. The information incorporated by reference is deemed to be part of this prospectus, and subsequent information that we file with the SEC will automatically update and supersede that information.

Any statement contained in this prospectus or a previously filed document incorporated by reference will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus or a subsequently filed document incorporated by reference modifies or replaces that statement.

This prospectus and any accompanying prospectus supplement incorporate by reference the documents set forth below that have previously been filed with the SEC:

- Our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, filed with the SEC on March 22, 2024.
- Our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2024, June 30, 2024 and September 30, 2024 filed with the SEC on <u>May 9, 2024</u>, <u>August 6, 2024</u> and <u>November 14, 2024</u>, respectively.
- Our Current Reports on Form 8-K, filed with the SEC on March 25, 2024, April 10, 2024, April 22, 2024, June 12, 2024, June 25, 2024, July 17, 2024, September 5, 2024, September 9, 2024, September 19, 2024, September 20, 2024, October 9, 2024, November 21, 2024, November 25, 2024, and January 8, 2024.
- Our Definitive Proxy Statement on Schedule 14A, filed with the SEC on April 29, 2024 (to the extent specifically incorporated by reference into our Annual Report on Form 10-K).
- The description of our common stock contained in <u>our Registration Statement on Form 8-A, filed</u> with the <u>SEC on March 5, 2018</u>, as updated by "Description of the Registrant's Securities Registered under Section 12 of the Exchange Act" filed as <u>Exhibit 4.1</u> to our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, and any amendment or report filed with the SEC for the purpose of updating such description.

All reports and other documents we subsequently file pursuant to Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, which we refer to as the "Exchange Act" in this prospectus, prior to the termination of this offering, including all such documents we may file with the SEC after the date of filing of this registration statement and prior to the effectiveness of this 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.

You may request a free copy of any of the documents incorporated by reference in this prospectus by writing or telephoning us at the following address:

BioXcel Therapeutics, Inc. 555 Long Wharf Drive New Haven, CT 06511 (475) 238-6837

Exhibits to the filings will not be sent, however, unless those exhibits have specifically been incorporated by reference in this prospectus or any accompanying prospectus supplement.



5,100,000 Shares of Common Stock

PROSPECTUS

, 2025

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution

The following is an estimate of the expenses (all of which are to be paid by the registrant) that we may incur in connection with the securities being registered hereby.

SEC registration fee	\$ 330
Printing expenses	\$10,000
Legal fees and expenses	\$30,000
Accounting fees and expenses	\$30,000
Miscellaneous	\$ 4,670
Total	\$75,000

Item 15. Indemnification of Directors and Officers

Section 102 of the General Corporation Law of the State of Delaware, or the DGCL, permits a corporation to eliminate the personal liability of directors of a corporation to the corporation or its stockholders for monetary damages for a breach of fiduciary duty as a director, except where the director breached his duty of loyalty, failed to act in good faith, engaged in intentional misconduct or knowingly violated a law, authorized the payment of a dividend or approved a stock repurchase in violation of Delaware corporate law or obtained an improper personal benefit. Our charter provides that no director of the Company shall be personally liable to it or its stockholders for monetary damages for any breach of fiduciary duty as a director, notwithstanding any provision of law imposing such liability, except to the extent that the DGCL prohibits the elimination or limitation of liability of directors for breaches of fiduciary duty.

Section 145 of the DGCL provides that a corporation has the power to indemnify a director, officer, employee, or agent of the corporation, or a person serving at the request of the corporation for another corporation, partnership, joint venture, trust or other enterprise in related capacities against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with an action, suit or proceeding to which he was or is a party or is threatened to be made a party to any threatened, ending or completed action, suit or proceeding by reason of such position, if such person acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, in any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful, except that, in the case of actions brought by or in the right of the corporation, no indemnification shall be made with respect to any claim, issue or matter as to which such person 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, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery or such other court shall deem proper.

Section 145 further authorizes a corporation to 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 or 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 otherwise have the power to indemnify him or her under Section 145.

Any underwriting agreement or distribution agreement that the registrant enters into with any underwriters or agents involved in the offering or sale of any securities registered hereby may require such underwriters or dealers to indemnify the registrant, some or all of its directors and officers and its controlling persons, if any, for specified liabilities, which may include liabilities under the Securities Act of 1933, as amended.

Our charter and bylaws provide for indemnification and advancement of expenses to our directors and officers to the fullest extent permitted by the DGCL. 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 (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, a 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, trust 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 charter and bylaws provide that we will indemnify any Indemnitee who was or is a party to an action or suit by or in the right of the Company to procure a judgment in the Company's favor by reason of the fact that the Indemnitee is or was, or has agreed to become, a 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, trust or other enterprise, or by reason of any action alleged to have been taken or omitted in such capacity, against all expenses (including attorneys' fees) and, to the extent permitted by law, amounts paid in settlement actually and reasonably incurred in connection with such action, suit or proceeding, and any appeal therefrom, if the Indemnitee acted in good faith and in a manner he or she reasonably believed to be in, or not opposed to, the Company's best interests, except that no indemnification shall be made with respect to any claim, issue or matter as to which such person shall have been adjudged to be liable to the Company, unless a court determines that, despite such adjudication but in view of all of the circumstances, he or she is entitled to indemnification of such expenses. Notwithstanding the foregoing, to the extent that any Indemnitee has been successful, on the merits or otherwise, he or she will be indemnified by the Company against all expenses (including attorneys' fees) actually and reasonably incurred in connection therewith. Expenses must be advanced to an Indemnitee under certain circumstances. The limitation of liability and indemnification provisions in our charter and bylaws may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duty. These provisions may also have the effect of reducing the likelihood of derivative litigation against our directors and officers, even though such an action, if successful, might otherwise benefit us and our stockholders. However, these provisions do not limit or eliminate our rights, or those of any stockholder, to seek non-monetary relief such as injunction or rescission in the event of a breach of a director's duty of care. These provisions will not alter the liability of directors under federal securities laws.

We have entered into separate indemnification agreements with each of our directors and executive officers. Each indemnification agreement provides, among other things, for indemnification to the fullest extent permitted by law and our charter and bylaws any and all expenses, judgments, fines, penalties and amounts paid in settlement of any claim. The indemnification agreements provide for the advancement or payment of all expenses to the indemnitee and for the reimbursement to us if it is found that such indemnitee is not entitled to such indemnification under applicable law and our charter and bylaws.

We maintain a general liability insurance policy that covers certain liabilities of our directors and officers arising out of claims based on acts or omissions in their capacities as our directors or officers.

Item 16. Exhibits

Exhibit Number	Description
4.1	Form of Specimen Certificate Representing Common Stock (incorporated by reference to the
	<u>Company's S-1/A filed on February 26, 2018 (File No. 333-22990)).</u>
4.2	Form of Fifth Amendment Warrant (incorporated by reference to Exhibit 4.1 of the Company's
	Current Report on Form 8-K (File No. 001-38410) filed with the SEC on November 21, 2024).
4.3*	Form of Amended and Restated Fourth Amendment Warrant.

Exhibit Number	Description
4.4	Form of Third Amended and Restated Registration Rights Agreement, dated November 25, 2024, among the Company and Oaktree-TCDRS Strategic Credit, LLC, Oaktree-Forrest Multi-Strategy, LLC, Oaktree-TBMR Strategic Credit Fund C, LLC, Oaktree-TBMR Strategic Credit Fund F, LLC, Oaktree-TBMR Strategic Credit Fund G, LLC, Oaktree-TSE 16 Strategic Credit, LLC, INPRS Strategic Credit Holdings, LLC, Oaktree Specialty Lending Corporation, Oaktree Strategic Credit Fund, Oaktree GCP Fund Delaware Holdings, L.P., Oaktree Diversified Income Fund Inc., Oaktree AZ Strategic Lending Fund, L.P., Oaktree LSL Fund Holdings EURRC S.a.r.l., Oaktree LSL Fund Delaware Holdings EURRC, L.P., and Q Boost Holding LLC (incorporated by reference to Exhibit 4.2 of the Company's Current Report on Form 8-K (File No. 001-38410) filed with the SEC on November 21, 2024).
5.1*	Opinion of Honigman LLP.
23.1*	Consent of Honigman LLP (included in Exhibit 5.1).
23.2*	Consent of Ernst & Young, LLP, independent registered public accounting firm.
24.1*	Powers of Attorney (incorporated by reference to the signature page hereto).
107*	Filing fee table.

filed herewith.

Item 17. Undertakings

- (a) The undersigned registrant hereby undertakes:
 - (1) 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 of 1933;
 - (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; and
 - (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;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii), and (a)(1)(iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is a part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, 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.
- (3) 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.

⁺ Certain annexes, schedules, and exhibits have been omitted pursuant to Item 601(a)(5)(b)(2) of Regulation S-K. The Company hereby agrees to furnish supplementally a copy of any omitted annex, schedule or exhibit to the SEC upon request.

- (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:
 - (A) 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
 - (B) 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 of 1933 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.
- (5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 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;
 - (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 communications that is an offer in the offering made by the undersigned registrant to the purchaser.
- (b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) 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.
- (h) Insofar as indemnification for liabilities arising under the Securities Act of 1933 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 Securities and Exchange Commission 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.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant 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 the City of New Haven, Connecticut, on January 10, 2025.

BIOXCEL THERAPEUTICS, INC.

By:	/s/ VIMAL MEHTA, PH.D.
	Vimal Mehta, Ph.D.
	Chief Executive Officer

POWER OF ATTORNEY

Each of the undersigned officers and directors of the registrant hereby severally constitutes and appoints Vimal Mehta, Ph.D. and Richard Steinhart, and each of them singly (with full power to each of them to act alone), as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution in each of them, for him or her and in his or her name, place and stead, and in any and all capacities, to file and sign any and all amendments, including post-effective amendments, to this registration statement and any other registration statement for the same offering that is to be effective under Rule 462(b) of the Securities Act of 1933, 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, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith and about 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 their substitute or substitutes, may lawfully do or cause to be done by virtue hereof. 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 below by the following persons on behalf of the registrant in the capacities and on the dates indicated.

SIGNATURE	TITLE	DATE
/s/ Vimal Mehta, Ph.D. Vimal Mehta, Ph.D.	Chief Executive Officer, President and Director (principal executive officer)	January 10, 2025
/s/ Richard Steinhart	Chief Financial Officer (principal financial	January 10, 2025
Richard Steinhart	officer and principal accounting officer)	
/s/ Peter Mueller, Ph.D. Peter Mueller, Ph.D.	Chairman of the Board of Directors	January 10, 2025
June Bray	Director	January 10, 2025
/s/ Sandeep Laumas, M.D. Sandeep Laumas, M.D.	Director	January 10, 2025
/s/ David Mack David Mack	Director	January 10, 2025

SIGNATURE	TITLE	DATE
/s/ Michael P. Miller	Director	January 10, 2025
Michael P. Miller	Director	January 10, 2025
/s/ Michal Votruba, M.D., Ph.D.	Director	January 10, 2025
Michal Votruba, M.D., Ph.D.		<u>,</u>

BIOXCEL THERAPEUTICS, INC. AMENDED AND RESTATED COMMON STOCK WARRANT

NEITHER THIS WARRANT NOR THE SECURITIES ISSUABLE UPON ITS EXERCISE OR CONVERSION HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY APPLICABLE STATE SECURITIES LAW AND MAY NOT BE TRANSFERRED EXCEPT (I) IN ACCORDANCE WITH THE SECURITIES ACT OR SUCH APPLICABLE STATE SECURITIES LAWS, PURSUANT TO REGISTRATION OR EXEMPTION THEREFROM, OR (II) WHERE, IN THE OPINION OF COUNSEL, REGISTRATION UNDER THE SECURITIES ACTS OR SUCH APPLICABLE STATE SECURITIES LAWS IS NOT REQUIRED IN CONNECTION WITH SUCH PROPOSED TRANSFER.

[# of shares] Shares of Company Common Stock No. [warrant #] WARRANT

This WARRANT (this "Warrant") was initially issued on March 20, 2024 (the "Initial Issuance Date") and amended and restated in its entirety as of November 25, 2024 (the "Amendment Date"), by BIOXCEL THERAPEUTICS, INC., a Delaware corporation (the "Company"), to [name of purchaser], a [jurisdiction of organization] [entity type] ("Purchaser" and, together with any assignee(s) or transferee(s), "Holder" or "Holders").

WHEREAS, the Company, certain subsidiaries of the Company as guarantors, the Purchaser as lender and the other lenders party thereto are parties to that certain Credit Agreement and Guaranty, dated as of April 19, 2022, and amended as of November 13, 2023, December 5, 2023, February 12, 2024, March 20, 2024 and November 21, 2024 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), pursuant to which the Company may borrow from Purchaser and the other lenders party thereto (collectively, the "Lenders"), and the Lenders may loan to the Company, up to \$202,319,447 from the date of the Credit Agreement through the Maturity Date; and

WHEREAS, the Company issued this Warrant to Purchaser as a condition precedent to the effectiveness of that Fourth Amendment to Credit Agreement and Guaranty, dated as of March 20, 2024, by and among the Company, Purchaser and the other parties thereto.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Company and Purchaser agree as follows:

Section 1. <u>Definitions</u>. Unless otherwise defined herein, capitalized terms have the meanings set forth in the Credit Agreement (as in effect on the date hereof), however, the following terms when used herein have the following meanings:

"Aggregate Exercise Price" means, in connection with any Exercise of this Warrant pursuant to Section 4 (whether in whole or in part), an amount equal to the product of (i) the number of Underlying Shares in respect of which this Warrant is then being exercised pursuant to such Section 4, multiplied by (ii) the Exercise Price.

"Fair Market Value" means, with respect to any security or other property, the fair market value of such security or other property as determined by the independent members of the Board of Directors of the Company, acting in good faith. If the Holder objects in writing to the Board of Directors' calculation of Fair Market Value within ten (10) days of receipt of written notice thereof and the Holder and the Company are unable to agree on Fair Market Value during the five (5) day period following the delivery of the Holder's objection, the valuation dispute resolution procedure set forth in Section 20 hereof shall be invoked to determine Fair Market Value.

"Market Price" means, with respect to a particular security, on any given day, the last reported sale price, regular way, or, in case no such reported sale takes place on such day, the average of the closing bid and asked prices, regular way, in either case on the principal national securities exchange on which the applicable securities are listed or admitted to trading, or if not listed or admitted to trading on any national securities exchange, the last quoted bid price in the over-the-counter market as reported by Pink Sheets LLC or similar organization. "Market Price" shall be determined without reference to after hours or extended hours trading. If such security is not listed and traded in a manner that the quotations referred to above are available for the period required hereunder, the Market Price per share of Company Common Stock shall be deemed to be the fair market value per share of such security as determined in good faith by the independent members of the Board of Directors in reliance upon an opinion of an accounting firm of nationally recognized standing retained by the Company for this purpose and reasonably acceptable to the Holder (or if there is more than one Holder, a majority in interest of Holders excluding any Holder that is an Affiliate of the Company). For the purposes of determining the Market Price of the Company Common Stock on the Trading Day preceding, on or following the occurrence of an event, (i) that Trading Day shall be deemed to commence immediately after the regular scheduled closing time of trading in trading Day shall end at the next regular scheduled closing time, or if trading is closed at an earlier time, such earlier time, such earlier time and (ii) that Trading Day shall end at the next regular scheduled closing time, or if trading Day preceding a specified event and the closing time of trading on a particular day is 4:00 p.m. and the specified event occurs at 5:00 p.m. on that day, the Market Price would be determined by reference to such 4:00 p.m. closing price).

"Trading Day" means a day on which the Company Common Stock is traded on a Trading Market or, if the Company Common Stock is not traded on a Trading Market, then on the principal securities exchange or securities market on which the Company Common Stock is then traded.

"Trading Market" means any market or exchange of The Nasdaq Stock Market LLC or the New York Stock Exchange.

"VWAP" means, for any date, the price determined by the first of the following clauses that applies: (i) if the Company Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Company Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Company Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:00 p.m. (New York City time)), (ii) if the Company Common Stock is not then listed on a Trading Market or quoted for trading on the OTC Bulletin Board and if prices for the Company Common Stock are then reported in the "Pink Sheets" published by OTC Markets Group Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Company Common Stock so reported or (iii) in all other cases, the fair market value of a share of Company Common Stock as determined by an independent nationally recognized investment banking, accounting or valuation firm selected in good faith by the Company and reasonably acceptable to the Holder, the fees and expenses of which shall be paid by the Company.

Section 2. <u>Issuance of Warrant; Term</u>. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Company hereby grants to Holder the right to purchase from the Company [# of shares] fully paid and nonassessable shares of the Company's voting common stock having a par value \$0.001 per share (the "Company Common Stock"). The shares of Company Common Stock issuable upon exercise of this Warrant are hereinafter referred to as the "Underlying Shares." This Warrant shall be exercisable at any time and from time to time, in whole or in part, during the period commencing on the date hereof and ending on April 19, 2029 (the "Expiration Date").

Section 3. <u>Exercise Price</u>. The exercise price per share of Company Common Stock for which each Underlying Share may be purchased pursuant to this Warrant shall be \$0.48, subject to adjustment pursuant to <u>Section 7</u> (the "Exercise Price").

Section 4. Exercise.

This Warrant may be exercised by the Holder hereof as to all or any portion of the Underlying Shares, upon delivery of written notice to the Company, together with this original Warrant and (x) payment to the Company of the Aggregate Exercise Price or (y) instruction to the Company to withhold a number of the Underlying Shares then issuable upon exercise of this Warrant with an aggregate value (determined on the basis of the average Market Price per share for the Company Common Stock on the last five Trading Days for such stock ended immediately prior to the applicable Exercise Date, as defined below) equal to such Aggregate Exercise Price (collectively, the "Exercise", with the date of an Exercise being an "Exercise Date"). The Exercise Price (if paid pursuant to clause (x) above) shall be payable by delivery by the Holder of a certified or official bank check payable to the order of the Company or wire transfer of immediately available funds to an account designated by the Company. This Warrant shall be deemed to have been so exercised as of the applicable Exercise Date, and the Holder shall be entitled to receive the Underlying Shares issuable upon such Exercise and be treated for all purposes as the holder of record of the Underlying Shares as of such date. Upon the Exercise of this Warrant, the Company shall, within two (2) Business Days of the applicable Exercise Date (the "Underlying Share Delivery Date"), execute and deliver to the Holder of this Warrant (a) a statement confirming the total number of Underlying Shares for which this Warrant is being exercised, and (b) (i) if the Underlying Shares are issued in certificate form, a certificate or certificates for the number of Underlying Shares issuable upon such Exercise, or (ii) if the Underlying Shares are issued in uncertificated form, a written confirmation evidencing the book-entry registration of such Underlying Shares in the Holder's name; provided that if the Company fails to deliver to Holder such certificate or certificates (in the case of Underlying Shares issued in certificate form) or written confirmation (in the case of Underlying Shares issued in uncertificated form) by the Underlying Share Delivery Date, the Holder will have the right to rescind such Exercise. Any rescission by the Holder pursuant to this Section 4(a) shall not affect any other remedies available to the Holder under applicable law or equity or pursuant to Section 14 hereof as a result of the Company's failure to timely deliver the Underlying Shares. If this Warrant shall be exercised with respect to less than all of the Underlying Shares, the Company shall deliver a new Warrant covering the number of Underlying Shares in respect of which this Warrant shall not have been exercised, which new Warrant shall in all other respects be identical to this Warrant. The Company covenants and agrees that it will pay when due any and all state and federal issue taxes which may be payable in respect of the issuance of this Warrant or the issuance of any Underlying Shares upon exercise.

- (b) In the event of any withholding of shares of Underlying Shares pursuant to Section 4(a)(y) above where the number of the Underlying Shares then issuable upon exercise of this Warrant with an aggregate value equal to the Aggregate Exercise Price is not a whole number, the number of the Underlying Shares withheld by the Company shall be rounded up to the nearest whole share, and the Company shall make a cash payment to the Holder (by delivery of a certified or official bank check or by wire transfer of immediately available funds) based on the incremental fraction of Underlying Shares being so withheld by the Company in an amount equal to the product of (x) such incremental fraction of Underlying Shares being so withheld or surrendered multiplied by (y) the value per share of Underlying Shares (determined on the basis of the average Market Price per share for the Company Common Stock on the last five Trading Days for such stock ended immediately prior to the applicable Exercise Date).
- The Company shall not knowingly effect the exercise of this Warrant, and the Holder shall not have the right to exercise this Warrant to the extent that, after giving effect to such exercise, the Holder (together with such Person's Affiliates) would beneficially own in excess of 9.99% (the "Maximum Percentage") of the Company Common Stock outstanding immediately after giving effect to such exercise. For purposes of the foregoing sentence, the aggregate number of shares of Company Common Stock beneficially owned by such Person and its Affiliates shall include the number of shares of Company Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude shares of Company Common Stock which would be issuable upon (i) exercise of the remaining, unexercised portion of this Warrant beneficially owned by such Person and its Affiliates and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company beneficially owned by such Person and its Affiliates (including, without limitation, any convertible notes or convertible shares or warrants) subject to a limitation on conversion or exercise analogous to the limitation contained herein. Except as set forth in the preceding sentence, for purposes of this paragraph, beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act. For purposes of this Warrant, in determining the number of outstanding shares of Company Common Stock, a Holder of this Warrant may rely on the number of outstanding shares of Company Common Stock as reflected in the most recent of (1) the Company's Form 10-K, Form 10-Q or other public filing with the Securities and Exchange Commission, as the case may be, (2) a more recent public announcement by the Company or (3) any other notice by the Company or its transfer agent setting forth the number of shares of Company Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall, within five (5) Business Days, confirm to such Holder the number of shares of its Company Common Stock then outstanding. Furthermore, upon the written request of the Company, a Holder shall confirm to the Company its then current beneficial ownership with respect to the Company's Company Common Stock.

Section 5. **No Fractional Shares.** No fractional shares may be issued upon any exercise of this Warrant or as a consequence of any adjustment pursuant to **Section 7**, and any fractions shall be rounded upwards to the nearest whole number of shares. If upon any exercise or adjustment of this Warrant a fraction of a share results, the Company will pay to the Holder the cash value of any such fractional share, calculated on the basis of the Exercise Price.

Section 6. Securities Laws.

- (a) Holder acknowledges that the Underlying Shares are being offered and sold by the Company in accordance with Regulation D under the Securities Act and that the Underlying Shares will constitute "restricted securities" as defined in Rule 144 under the Securities Act. Neither this Warrant nor the Underlying Shares have been registered under the Securities Act, or any state securities laws ("Blue Sky Laws"). This Warrant has been acquired for the Holder's own account for investment purposes and not with a current view to distribution or resale and may not be sold or otherwise transferred (i) without an effective registration statement for such Warrant under the Securities Act and such applicable Blue Sky Laws, or (ii) unless Holder shall have delivered to the Company an opinion of counsel to the effect that the Warrant or such portion of the Warrant to be sold or transferred may be sold or transferred under an exemption from such registration; provided, that the foregoing conditions shall not apply to any transfer of this Warrant from Purchaser to (i) any Affiliate, managed fund or account of Oaktree Capital Management, L.P. or (ii) an Affiliate of Qatar Investment Authority.
- (b) The Company covenants and agrees that all Underlying Shares will, upon issuance and payment therefor, be legally and validly issued and outstanding, free from all taxes, liens, charges and preemptive or similar rights, if any, with respect thereto or to the issuance thereof. The Company will take all such action as may be reasonably necessary or appropriate to assure that the Underlying Shares may be issued as provided herein without violating any applicable law or regulation, or any requirements of the Trading Market upon which the Company Common Stock may be listed.
- (c) The certificates representing the Underlying Shares will bear the following or similar legend, unless the Company determines otherwise in compliance with applicable law:

"THE SECURITIES REPRESENTED HEREBY HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "ACT"), OR UNDER THE SECURITIES LAWS OF ANY STATE. THESE SECURITIES ARE SUBJECT TO RESTRICTIONS ON TRANSFERABILITY AND RESALE AND MAY NOT BE TRANSFERRED OR RESOLD EXCEPT AS PERMITTED UNDER THE ACT AND APPLICABLE STATE SECURITIES LAWS, PURSUANT TO REGISTRATION OR EXEMPTION THEREFROM. INVESTORS SHOULD BE AWARE THAT THEY MAY BE REQUIRED TO BEAR THE FINANCIAL RISKS OF THIS INVESTMENT FOR AN INDEFINITE PERIOD OF TIME. THE ISSUER OF THESE SECURITIES MAY REQUIRE AN OPINION OF COUNSEL IN FORM AND SUBSTANCE SATISFACTORY TO THE ISSUER TO THE EFFECT THAT ANY PROPOSED TRANSFER OR RESALE IS IN COMPLIANCE WITH THE ACT AND ANY APPLICABLE STATE SECURITIES LAWS."

Section 7. Anti-Dilution Adjustments.

- (a) If the Company shall at any time prior to the expiration of this Warrant (i) pay a stock dividend or otherwise make a distribution or distributions on shares of Company Common Stock or any other equity or equity securities, (ii) subdivide the Company Common Stock (by stock split, recapitalization, or any other similar event) into a larger number of shares, (iii) combine the Company Common Stock (by stock split or reverse stock split, recapitalization, combination of shares, or any other similar event) or (iv) issue by reclassification of shares of Company Common Stock any shares of capital stock of the Company (with the exception of any reclassification that constitutes a Fundamental Change, as hereinafter defined), then in each such case the Exercise Price shall be adjusted by multiplying the Exercise Price in effect immediately prior to (x) the record date for the determination of stockholders entitled to receive such dividend or distribution or (y) the effective date in the case of a subdivision, combination or re-classification by a fraction, the numerator of which shall be the number of shares of Company Common Stock outstanding immediately before such event and the denominator of which shall be the number of shares of Company Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the Aggregate Exercise Price shall remain unchanged. Before taking any action which would result in an adjustment in the number of Underlying Shares for which this Warrant is exercisable or to the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.
- (b) If the Company shall at any time prior to the expiration of this Warrant (in each case, occurring after the date hereof) be a party to any merger, consolidation, exchange of shares of Company Common Stock, sale of a majority of the Company Common Stock, sale of all or substantially all of the assets of the Company, separation, recapitalization, winding up or liquidation of the Company, or other similar event or transaction (each, a "Fundamental Change"), as a result of which shares of Company Common Stock shall be changed into the same or a different number or class or classes of securities of the Company or another entity, or the holders of shares of Company Common Stock are entitled to receive cash or other property, then, upon the Exercise of this Warrant by the Holder, such Holder shall receive, for the Aggregate Exercise Price as in effect immediately prior to such Fundamental Change (subject to all other adjustments under this Warrant), the aggregate number of shares or such other securities, cash or other property which such Holder would have received if this Warrant had been exercised immediately prior to such Fundamental Change (collectively, the "Fundamental Change Receivable"), which, upon the Holder's election, may be received net of the Aggregate Exercise Price (for the avoidance of doubt, without payment by the Holder of any cash in an amount equal to the then Exercise Price). In the case of any Fundamental Change, the successor or purchasing party of such merger, consolidation, exchange of shares of Company Common Stock, sale of all or substantially all of the assets of the Company or reorganization (if other than the Company) shall duly execute and deliver to the Holder a supplement to this Warrant acknowledging the Company and such party's obligations under this Section 7(b). The terms of this Warrant shall be applicable to the Fundamental Change Receivable due to the Holder upon the consummation of any such Fundamental Change.

- (c) If the Company, at any time while this Warrant is outstanding, shall otherwise distribute to all holders of Company Common Stock (and not to the Holder or Holders) evidences of its indebtedness or assets (including cash and cash dividends) or rights or warrants to subscribe for or purchase any security (for the avoidance of doubt, excluding in each such case any Fundamental Change Receivable), then in each such case the Exercise Price shall be adjusted by multiplying the Exercise Price in effect immediately prior to the record date fixed for determination of stockholders entitled to receive such distribution by a fraction, the numerator of which shall be such VWAP on such record date less the then Fair Market Value at such record date of the portion of such assets or evidence of indebtedness so distributed applicable to one outstanding share of Company Common Stock, and the denominator of which shall be the VWAP determined as of the record date mentioned above. Such adjustment shall be made whenever any such distribution is made and shall become effective immediately after the record date mentioned above.
- (d) Not less than five (5) days prior to the record date or effective date, as the case may be, of any event which requires or might require an adjustment or readjustment pursuant to Section 7(a) or Section 7(c) (each, an "Adjustment Event"), and not less than ten (10) days prior to the record date or effective date, as the case may be, of any Fundamental Change, the Company shall give written notice of such Adjustment Event or Fundamental Change (as applicable) to the Holder or Holders, describing such Adjustment Event or Fundamental Change in reasonable detail and specifying the record date or effective date, as the case may be. Such notice shall additionally include the Company's certification of the following computations, as applicable, each of which shall have been made by the Company in good faith: (i) in the case of an Adjustment Event, if determinable, the required adjustment and the computation thereof or, if the required adjustment is not determinable at the time of such notice, the Company shall give notice to the Holder or Holders of such adjustment and computation promptly after such adjustment becomes determinable, and (ii) in the case of a Fundamental Change, the number of shares or such other securities, cash or other property which is payable to the Holder or Holders upon the Fundamental Change, the computation thereof, and the computation of the then applicable Exercise Price. Except as otherwise prohibited by applicable laws, to the extent that any notice provided pursuant to this Section 7(d) contains material, non-public information regarding the Company, the Company shall disclose such information regarding the Company in a Current Report on Form 8-K and file such Current Report on Form 8-K with the SEC no later than the second Trading Day following the date such notice is delivered to the Holder.
- (e) Notwithstanding any other provision hereof, if an exercise of all or any portion of this Warrant is to be made in connection with a Fundamental Change or a public offering, such exercise may, at the election of the Holder, be conditioned upon the consummation of such transaction, in which case such exercise shall not be deemed to be effective until immediately prior to the consummation of such transaction.

(f) At all times on and prior to the Expiration Date, the Company shall at all times reserve and keep available out of its authorized but unissued Company Common Stock (or other equity interests then constituting Underlying Shares), solely for the purpose of issuance upon the exercise of this Warrant, the maximum number of Underlying Shares issuable upon the exercise of this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of executing stock certificates or effectuating the book entry of uncertificated shares to execute and issue, or enter, the necessary certificates or book entries (as applicable) for the Underlying Shares upon the exercise of the purchase rights under this Warrant. The Company shall not increase the par value of any Underlying Shares receivable upon the exercise of this Warrant above the Exercise Price then in effect, and shall take all such actions within its power as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and non-assessable Underlying Shares upon the exercise of this Warrant.

Section 8. Transfer of Warrant. Subject to compliance with applicable federal and state securities laws, the Holder may, from time to time, transfer this Warrant or the Underlying Shares, in each case, in whole or in part, by giving the Company a written notice of the portion of the Warrant or the shares of the Underlying Shares being transferred, such notice to set forth the name, address and taxpayer identification number of the transferee, the anticipated date of such transfer, and surrendering this Warrant or the certificates or book-entry records representing shares of the Underlying Shares, as applicable, to the Company for reissuance to the transferee(s). Upon surrender of this Warrant by a Holder to the Company for transfer, in whole or in part, the Company shall issue a new warrant to such Holder in such denomination as shall be requested by such Holder covering the number of Underlying Shares, if any, in respect of which this Warrant shall not have been transferred. Such new warrant shall be identical in all other respects to this Warrant. This Warrant may be divided or combined with other Warrants upon presentation hereof at the office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with this Section 8 as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated as of the Initial Issuance Date and shall be identical to this Warrant except as to the number of Underlying Shares issuable pursuant thereto.

Section 9. No Impairment. The Company may not, including, without limitation, by amendment of its certificate of incorporation or bylaws, or through a Fundamental Change or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, and the Company shall at all times in good faith assist in the carrying out of all such terms and in the taking of all such action as may be necessary or appropriate in order to protect the rights of the Holder or Holders against impairment. Without limiting the generality of the foregoing, the Company shall take (a) all such action as may be necessary or appropriate in order that the Company may duly and validly issue fully paid and non-assessable Underlying Shares, free from any taxes, liens, charges and preemptive rights, upon the exercise of this Warrant, and (b) use its best efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be necessary to enable the Company to perform its obligations under this Warrant.

Section 10. No Rights or Liabilities as a Stockholder. This Warrant shall not entitle the Holder or Holders hereof to any voting rights or other rights as a stockholder of the Company with respect to the Underlying Shares prior to the exercise of the Warrant. No provision of this Warrant, in the absence of affirmative action by the Holder or Holders to purchase the Underlying Shares, and no mere enumeration herein of the rights or privileges of the Holder or Holders, shall give rise to any liability of such Holder or Holders for the Exercise Price or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

Section 11. Representations and Warranties of the Company. The Company hereby represents and warrants:

- (a) As of the Initial Issuance Date and the Amendment Date, the Company (A) is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware, (B) has all requisite power and authority to own and operate its properties, to carry on its business as now conducted and as currently proposed to be conducted, to issue and enter into the Warrant and to carry out the transactions contemplated thereby, and (C) except where the failure to do so, individually or in the aggregate, has not had, and could not be reasonably expected to have, a material adverse effect on the business, assets, financial condition or operations of the Company, is qualified to do business and, where applicable is in good standing, in every jurisdiction where such qualification is required.
- (b) This Warrant is, and any Warrant issued in substitution for or replacement of this Warrant (including pursuant to **Section 15**) shall be, upon issuance, duly authorized and validly issued. This Warrant constitutes, and any Warrant issued in substitution for or replacement of this Warrant shall be, upon issuance, a legal, valid and binding obligation of the Company, enforceable against the Company in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency or other similar laws affecting the enforcement of creditors' rights generally and by general principles of equity.
- (c) As of the Initial Issuance Date and the Amendment Date, the execution, delivery and performance by the Company of the Warrant does not and will not (A) violate any material provision of applicable law or the organizational documents of the Company, (B) conflict with, result in a breach of, or constitute (with the giving of any notice, the passage of time, or both) a default under any material agreement of the Company or (C) result in or require the creation or imposition of any lien upon any assets of the Company.
- Section 12. <u>Successors</u>. All the covenants and provisions of this Warrant by or for the benefit of the Company or the Holder or Holders shall bind and inure to the benefit of their respective successors and assigns.

Section 13. **Survival**. The rights of the Holder or Holders under this Warrant, and the covenants and agreements of the Company set forth in this Warrant for the benefit of the Holder or Holders, shall survive exercise of all or any portion of this Warrant and shall inure to the Holder or Holders of any Underlying Shares.

Section 14. Remedies. If the Company violates, breaches or defaults under this Warrant, the Holder may proceed to protect and enforce its rights by any action at law, suit in equity or other appropriate proceeding, whether for specific performance of any agreement contained in this Warrant, or for an injunction against a violation of any of the terms hereof, or in and of the exercise of any power granted hereby or by law, in each case without providing any bond or other security in connection with such action, suit or other proceeding. In case of any violation, breach or default under this Warrant, the Company shall pay to the Holder on demand all reasonable costs and expenses of enforcing the Holder's rights under this Warrant, including, without limitation, reasonable attorneys' fees and legal expenses.

Section 15. Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon its receipt of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Underlying Shares (and, in the case of mutilation, the surrender and cancellation of this Warrant or such stock certificate), the Company shall make and deliver to the Holder a new Warrant or stock certificate that is identical to this Warrant or to such stock certificate (as applicable).

Section 16. <u>Article and Section Headings</u>. Numbered and titled article and section headings are for convenience only and shall not be construed as amplifying or limiting any of the provisions of this Warrant.

Section 17. Notice. Any and all notices, elections or demands permitted or required to be made under this Warrant shall be in writing, signed by the party giving such notice, election or demand and shall be delivered in accordance with the notice provisions in the Credit Agreement.

Section 18. <u>Severability</u>. If any provisions(s) of this Warrant or the application thereof to any person or circumstances shall be invalid or unenforceable to any extent, the remainder of this Warrant and the application of such provisions to other persons or circumstances shall not be affected thereby and shall be enforced to the greatest extent permitted by law.

Section 19. **Entire Agreement**. This Warrant amends and restates in its entirety the Warrant previously issued to the Holder and effective as of March 20, 2024. This Warrant and between the Company and the Holder represents the entire agreement between the parties concerning the subject matter hereof, and all oral discussions and prior agreement are merged herein.

Section 20. <u>Valuation Dispute Resolution</u>. In the case of any dispute as to the determination of any amount or valuation hereunder or in connection with the amount or value of any Company Common Stock or Underlying Shares to be issued, withheld or otherwise determined, the calculation of the Aggregate Exercise Price or any other computation or valuation required to be made hereunder or in connection herewith, in the event the Holder, on the one hand, and the Company, on the other hand, are unable to settle such dispute within five (5) Business Days, then either party may elect to submit the disputed matter(s) for resolution by an accounting firm of nationally recognized standing as may be mutually agreed upon by the Holder and the Company. Such firm's determination of such disputed matter(s) shall be binding upon all parties absent demonstrable error, and the Company and the Holder shall each pay one half of the fees and costs of such firm.

Section 21. <u>Governing Law</u>. This Warrant and the rights and obligations of the parties hereunder, and any claims, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Warrant and the transactions contemplated hereby shall be governed by, and construed in accordance with, the law of the State of New York.

Section 22. Jurisdiction; Waiver of Venue; Service of Process.

- (a) Each party hereto irrevocably and unconditionally agrees that it will not commence any action, litigation or proceeding of any kind or description, whether in law or equity, whether in contract or in tort or otherwise, against any other party hereto in any way relating to this Warrant or the transactions relating hereto, in any forum other than the courts of the State of New York sitting in New York County, and of the United States District Court of the Southern District of New York, and any appellate court from any thereof; and each of the parties hereto irrevocably and unconditionally submits to the jurisdiction of such courts and agrees that all claims in respect of any such action, litigation or proceeding may be heard and determined in such New York State court or, to the fullest extent permitted by applicable law, in such federal court. Each of the parties hereto agrees that a final judgment in any such action, litigation or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law.
- (b) Each party hereto irrevocably and unconditionally waives, to the fullest extent permitted by applicable law, any objection that it may now or hereafter have to the laying of venue of any action or proceeding arising out of or relating to this Agreement in any court referred to in paragraph (a) of this **Section 22**. Each of the parties hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.
 - (c) Each party hereto irrevocably consents to service of process in the manner provided for notices in **Section 17**.

Section 23. <u>Amendment</u>. No amendment or modification hereof shall be effective except in a writing executed by the Company and the Holder.

Section 24. <u>Counterparts</u>. This Warrant may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same Warrant.

Section 25. <u>Waiver of Jury Trial</u>. EACH PARTY HERETO HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY SUIT, ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS WARRANT OR THE TRANSACTIONS CONTEMPLATED HEREBY (WHETHER BASED ON CONTRACT, TORT OR ANY OTHER THEORY). EACH PARTY HERETO (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PERSON HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PERSON WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT IT AND THE OTHER PARTIES HERETO HAVE BEEN INDUCED TO ENTER INTO THIS WARRANT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 25.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have set their	r hands as of the date first above written.
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COMPANY:

BIOXCEL TH	ERAPEU'	TICS,	INC.
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By:	
Name:	
Title:	

[Signature Page to Amended and Restated Warrant]



(269) 337-7700 Fax: (269) 337-7701

January 10, 2025

BioXcel Therapeutics, Inc. 555 Long Wharf Drive New Haven, Connecticut 06511

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as counsel to BioXcel Therapeutics, Inc., a Delaware corporation (the "Company"), in connection with preparing and filing with the U.S. Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act"), a Registration Statement on Form S-3 (the "Registration Statement"), in connection with the registration under the Securities Act for resale from time to time by selling stockholders named in the related prospectus included in the Registration Statement (the "Selling Stockholders") of up to 5,100,000 shares (the "Shares") of the Company's common stock, par value \$0.001 per share (the "Common Stock") issuable upon the exercise of warrants held by the Selling Stockholders (the "Warrants"). This opinion is being furnished in connection with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act, and no opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement or the related prospectus, other than as expressly stated herein with respect to the issuance of the Shares.

In connection with this opinion letter, we examined originals or copies of such records, instruments, certificates, opinions, memoranda and other documents as in our judgment are necessary or appropriate to enable us to render the opinions expressed below. We have not independently sought to verify factual matters. In conducting our examination, we assumed, without independent investigation, the genuineness and authenticity of all signatures on original documents, the accuracy, completeness and authenticity of all certificates, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted as copies, and the authenticity of the originals of such copies, the accuracy and completeness of all records made available to us by the Company, and the due authorization, execution and delivery by the Selling Stockholders of all documents where authorization, execution and delivery are prerequisites to the legal effectiveness of such documents. In addition, in connection with this opinion letter, we have assumed that the Shares will be offered in the manner and on the terms identified or referred to in the Registration Statement, the accompanying prospectus, including all supplements and amendments thereto.

Our opinions herein are limited solely to the matters set forth herein. The law covered by the opinions expressed herein is limited to the Delaware General Corporation Law as in effect on the date hereof (the "DGCL"). We are not admitted to practice in the State of Delaware and, with respect to the opinions set forth below, with your permission, we have (i) limited our review to standard compilations available to us of the DGCL, which we have assumed to be accurate and complete, and (ii) not reviewed case law. We express no opinion as to whether the laws of any jurisdiction are applicable to the subject matter hereof. We are not rendering any opinion with respect to federal law, including federal securities laws, or state blue sky securities laws. It is understood that this opinion letter is to be used only in connection with the offer and resale of the Shares while the Registration Statement is effective under the Securities Act.

Based upon, subject to and limited by the foregoing, we are of the opinion that, upon the valid exercise of the Warrants in accordance with their terms, including proper issuance and delivery to the persons exercising such Warrants of the underlying Shares, the due registration on the books of the transfer agent and registrar of the Company of the Shares in the name of or on behalf of the persons exercising such Warrants, and the payment in full of the exercise price thereof (not less than par value), all in accordance with the terms of the Warrants, and in accordance with and in the manner described in the Registration Statement and the included prospectus, the Shares will be validly issued, fully paid and non-assessable.

In giving the opinions set forth above, with respect to the Shares opined on in this opinion letter, we have assumed that (i) at or prior to the time of the delivery of such Shares, the authorization of such Shares will not have been modified or rescinded, and there will not have occurred any change in law affecting such Shares, including their validity or enforceability, (ii) the Company will comply with all applicable notice requirements regarding uncertificated shares provided in the DGCL; (iii) the Warrants have been duly executed and delivered by the Company and constitute valid and legally binding obligations of the Company enforceable in accordance with their respective terms; and (iv) upon the issuance of any of the Shares, the total number of shares of Common Stock then issued and outstanding will not exceed the total number of shares of Common Stock that the Company is then authorized to issue under its Amended and Restated Certificate of Incorporation and by the board of directors of the Company in connection with the offering contemplated by the Registration Statement.

We hereby consent to the filing of this opinion letter with the Commission as Exhibit 5.1 to the Registration Statement and to the reference to our firm under the caption "Legal Matters" in the Registration Statement and the related prospectus. In giving such consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Securities Act or the rules and regulations promulgated thereunder by the Commission. This opinion speaks only at and as of its date and is based solely on the facts and circumstances known to us as of such date. In addition, in rendering this opinion, we assume no obligation to revise, update or supplement this opinion (i) should the present aforementioned laws be changed by legislative action, judicial decision or otherwise, or (ii) to reflect any facts or circumstances which may hereafter come to our attention.

Very truly yours,

/s/ Honigman LLP

HONIGMAN 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 BioXcel Therapeutics, Inc. for the registration of 5,100,000 shares of its common stock and to the incorporation by reference therein of our report dated March 22, 2024, with respect to the consolidated financial statements of BioXcel Therapeutics, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2023, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Stamford, Connecticut January 10, 2025

CALCULATION OF FILING FEE TABLE

Registration Statement Form S-3 (Form Type)

BioXcel Therapeutics, Inc. (Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation Rule	Amount Registered(1)	Proposed Maximum Offering Price Per Unit(2)	Maximum Aggregate Offering Price(2)	Fee Rate	Amount of Registration Fee
Fees to Be Paid	Equity	Common stock, \$0.001 par value per share	Other	5,100,000	0.422	\$2,152,200	0.00015310	\$329.51
	Total Offering Amounts				\$2,152,200		\$329.51	
	Total Fees Previously Paid							_
	Total Fee Offsets							_
	Net Fee Due							\$329.51

- (1) Consists of shares of our common stock issuable to the selling stockholders upon exercise of warrants to purchase common stock. Pursuant to Rule 416 under the Securities Act of 1933, as amended, the shares of common stock being registered hereunder include such indeterminate number of shares of common stock as may be issuable with respect to the shares of common stock being registered hereunder as a result of stock splits, stock dividends or similar transactions.
- (2) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(c) of the Securities Act, on the basis of the average of the high and low prices for a share of the registrant's common stock as reported on the Nasdaq Capital Market on January 8, 2025, which date is a date within five business days prior to the filing of this registration statement.