

OMB APPROVAL	
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- Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
- Form 3 Holdings Reported.
- Form 4 Transactions Reported.

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Mehta Vimal</u> (Last) (First) (Middle) C/O BIOXCEL THERAPEUTICS, INC., 555 LONG WHARF DRIVE (Street) NEW HAVEN CT 06511 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol BioXcel Therapeutics, Inc. [BTAI]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) CEO and President
	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2021	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock	04/06/2021		G	102,568 ⁽¹⁾	D	\$0	8,546,750	I	See Footnote ⁽¹⁾
Common Stock	04/06/2021		G	130,659 ⁽²⁾	D	\$0	8,546,750	I	See Footnote ⁽²⁾
Common Stock	04/06/2021		G	130,659 ⁽³⁾	A	\$0	8,546,750	I	See Footnote ⁽³⁾
Common Stock	04/06/2021		G	102,568 ⁽⁴⁾	D	\$0	8,546,750	I	See Footnote ⁽⁴⁾
Common Stock							2,000	I	By spouse
Common Stock							9,957	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date					

Explanation of Responses:

- These securities are held of record by BioXcel LLC. BioXcel LLC is a subsidiary of BioXcel Holdings, Inc. ("Parent"). The Reporting Person is a manager and officer of BioXcel LLC and is a director, officer and stockholder of Parent. On the transaction date, the Reporting Person gifted shares of Parent representing an approximate 1.3% economic interest in Parent. By virtue of these relationships, the Reporting Person may be deemed to be the beneficial owner of the securities held of record by BioXcel LLC. The Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein, if any. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for the purpose of Section 16 or for any other purpose.
- These securities are held of record by BioXcel LLC. BioXcel LLC is a subsidiary of Parent. The Reporting Person is a manager and officer of BioXcel LLC and is a director, officer and stockholder of Parent. On the transaction date, the Reporting Person gifted shares of Parent to his spouse representing an approximate 1.6% economic interest in Parent. By virtue of these relationships, the Reporting Person may be deemed to be the beneficial owner of the securities held of record by BioXcel LLC. The Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein, if any. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for the purpose of Section 16 or for any other purpose.
- These securities are held of record by BioXcel LLC. BioXcel LLC is a subsidiary of Parent. The Reporting Person is a manager and officer of BioXcel LLC and is a director, officer and indirect stockholder of Parent. On the transaction date, the Reporting Person's Spouse received by gift shares of Parent representing a 1.6% economic interest in Parent from the Reporting Person. The Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein, if any. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for the purpose of Section 16 or for any other purpose.
- These securities are held of record by BioXcel LLC. BioXcel LLC is a subsidiary of Parent. The Reporting Person is a manager and officer of BioXcel LLC and is a director, officer and stockholder of Parent. On the transaction date, the Reporting Person's spouse gifted shares of Parent representing an approximate 1.3% economic interest in Parent. By virtue of these relationships, the Reporting Person may be deemed to be the beneficial owner of the securities held of record by BioXcel LLC. The Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein, if any. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for the purpose of Section 16 or for any other purpose.

/s/ Javier Rodriguez, as
Attorney in Fact for Vimal 02/14/2022
Mehta

** Signature of Reporting Person Date

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.