

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

April 1, 2019

**VIA EDGAR**

Division of Corporate Finance  
Securities and Exchange Commission  
100 F Street, N.E.  
Washington, D.C. 20549

Re: BioXcel Therapeutics, Inc.  
Request to Withdraw Registration Statement on Form S-3  
File No. 333-230280

Ladies and Gentlemen:

Pursuant to Rule 477 (“Rule 477”) under the Securities Act of 1933, as amended (the “Securities Act”), BioXcel Therapeutics, Inc., a Delaware corporation (the “Company”), hereby respectfully requests immediate withdrawal of its Registration Statement on Form S-3 (File No. 333-230280) filed with the Securities and Exchange Commission (the “Commission”) on March 14, 2019, together with all exhibits thereto (the “Registration Statement”).

The Company requests withdrawal of the Registration Statement because the Company was not eligible to file the Registration Statement on the date of filing. The Company will be filing a new shelf registration statement on the date it is submitting this request. The Company confirms that no securities have been sold pursuant to the Registration Statement. Furthermore, the Company believes that the withdrawal of the Registration Statement is consistent with the public interest and the protection of investors, as contemplated by paragraph (a) of Rule 477.

It is the Company’s understanding that this application for withdrawal of the Registration Statement will be deemed granted at the time filed with the Commission unless, within fifteen calendar days after such date, the Company receives notice from the Commission that this application will not be granted.

The Company requests, in accordance with Rule 457(p) under the Securities Act, that all fees paid to the Commission in connection with the filing of the Registration Statement be credited to the Company’s account to be offset against the filing fee for the filing of any future registration statement or registration statements.

The Company respectfully requests your assistance in this matter. If you have any questions regarding this application for withdrawal, please contact Stephen A. Cohen of Sheppard, Mullin, Richter & Hampton LLP at (212) 653-8166.

Very truly yours,

/s/ Vimal Mehta  
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Vimal Mehta  
Chief Executive Officer

cc: Sheppard, Mullin, Richter & Hampton LLP