

Applied Therapeutics, Inc.  
545 5<sup>th</sup> Avenue, Suite 1400  
New York, New York 10173

December 18, 2019

**VIA EDGAR AND EMAIL**

Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street NE  
Washington, D.C. 20549  
Attn: Ada D. Sarmento

Re: **Applied Therapeutics, Inc.**  
**Registration Statement on Form S-1 (File No. 333-235504)**  
**Request for Acceleration of Effective Date**

Ladies and Gentlemen:

We refer to the registration statement on Form S-1 (File No. 333- 235504) (the "Registration Statement"), of Applied Therapeutics, Inc. (the "Company"), relating to the registration of the Company's common stock, par value \$0.0001 per share.

In accordance with Rules 460 and 461 under the Securities Act of 1933, as amended, the Company hereby respectfully requests that the effectiveness of the Registration Statement be accelerated so that it may become effective at 3:00 P.M. (Eastern time) on Friday, December 20, 2019, or at such later time as the Company or its counsel may orally request via telephone call to the staff of the Division of Corporation Finance of the Securities and Exchange Commission.

Please call Andrea L. Nicolas of Skadden, Arps, Slate, Meagher & Flom LLP, at (212) 735-3416, to confirm the effectiveness of the Registration Statement.

Very truly yours,

Applied Therapeutics, Inc.

By: /s/ Shoshana Shendelman

Name: Shoshana Shendelman

Title: President and Chief Executive Officer (Principal Executive Officer)

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