

Onconova Therapeutics, Inc.  
375 Pheasant Run  
Newtown, PA 18954

May 17, 2019

**VIA EDGAR**

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

Attention: Tonya Aldave

**Re: Onconova Therapeutics, Inc.  
Registration Statement on Form S-3  
Filed April 5, 2019  
File No. 333-230744**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Onconova Therapeutics, Inc. (the "Company") hereby requests acceleration of the effective date of the above referenced registration statement, as amended, so that such registration statement may become effective at 4:00 p.m. (Washington, D.C. time) on May 21, 2019, or as soon as practicable thereafter.

ONCONOVA THERAPEUTICS, INC.

By: /s/ MARK GUERIN

Name: Mark Guerin

Title: Chief Financial Officer

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