

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

December 27, 2017

VIA EDGAR

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

Attention: Dorrie Yale
Mary Beth Breslin

**Re: Onconova Therapeutics, Inc.
Registration Statement on Form S-3
Filed November 20, 2017
File No. 333-221684**

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 9:00 a.m. (Washington, D.C. time) on December 28, 2017, or as soon as practicable thereafter.

ONCONOVA THERAPEUTICS, INC.

By: /s/ MARK GUERIN

Name: Mark Guerin

Title: Chief Financial Officer
