



May 5, 2016

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

Attn: Ms. Suzanne Hayes

**Re: Oncobiologics, Inc.  
Registration Statement on Form S-1  
Filed April 27, 2016  
File No. 333-209011  
Withdrawal of Acceleration Request**

Ladies and Gentlemen:

Reference is made to our letter, filed as correspondence via EDGAR on May 4, 2016, in which we requested the acceleration of the effective date of the above-referenced Registration Statement on Form S-1 (File No. 333-209011) for Thursday, May 5, 2016, at 4:00 p.m. Eastern Time, in accordance with Rule 461 under the Securities Act of 1933, as amended. We are no longer requesting that such registration statement be declared effective at this time and we hereby formally withdraw our request for acceleration of the effective date.

Very truly yours,

Oncobiologics, Inc.

By: /s/ Pankaj Mohan

Pankaj Mohan, Ph.D.  
Chairman, President and Chief Executive Officer

cc: *Lawrence A. Kenyon, Oncobiologics, Inc.*  
*Yvan-Claude Pierre, Cooley LLP*  
*Daniel I. Goldberg, Cooley LLP*  
*Marianne Sarrazin, Cooley LLP*  
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