

May 17, 2016



# **Synthetic Biologics to Host Post-DDW 2016® Conference Call to Recap SYN-010 Phase 2 Clinical Trial Results for the Treatment of Irritable Bowel Syndrome with Constipation (IBS-C)**

**-- Mark Pimentel, MD, FRCP(C) to Review IBS-C Patient Data from Two SYN-010 Phase 2 Clinical Trials --**

**-- Conference Call Scheduled on Monday, May 23, 2016, at 8:30 a.m. (EDT) --**

ROCKVILLE, Md., May 17, 2016 /PRNewswire/ --[Synthetic Biologics, Inc.](#) (NYSE MKT: SYN), a clinical stage company focused on developing therapeutics to protect the gut microbiome, announced today that the Company is scheduled to host a conference call on Monday, May 23, 2016, at 8:30 a.m. (EDT) to review IBS-C patient data from the first and second Phase 2 clinical trials for SYN-010. Synthetic Biologics previously reported positive topline data from both Phase 2 clinical trials, including a reduction in breath methane levels, abdominal pain and bloating, and an increase in the frequency of complete spontaneous bowel movements.



During the call, Dr. Mark Pimentel, Director of the GI Motility Program and Laboratory at Cedars-Sinai, intends to recap the SYN-010 results to be included in the poster presentation

at Digestive Disease Week® (DDW® 2016) on Sunday, May 22, 2016 in San Diego. The dial-in information for the call is as follows:

U.S. toll free: 1-888-347-5280  
International: +1 412-902-4280.

Participants are asked to dial in 15 minutes before the start of the call to register. The call and associated slide presentation will be webcast over the Internet at <https://www.webcaster4.com/Webcast/Page/1096/14387>. An archive of the call will be available for approximately six months at the same URL <https://www.webcaster4.com/Webcast/Page/1096/14387> beginning approximately one hour after the call's conclusion.

### **About SYN-010**

SYN-010 is a proprietary, modified-release formulation of lovastatin lactone that is intended to reduce methane production by certain microorganisms (*M. smithii*) in the gut while minimizing disruption to the microbiome to treat an underlying cause of IBS-C. SYN-010 is intended to act primarily in the intestinal lumen while avoiding systemic absorption, thereby targeting a major cause of IBS-C, not just the symptoms. To access the SYN-010 mechanism of action video on Synthetic Biologics' website, please [click here](#).

### **About Synthetic Biologics, Inc.**

Synthetic Biologics, Inc. (NYSE MKT: SYN) is a clinical stage company developing therapeutics to protect the gut microbiome while targeting pathogen-specific diseases. The Company's lead candidates in Phase 2 development are: (1) SYN-010 which is intended to reduce the impact of methane producing organisms in the gut microbiome to treat an underlying cause of irritable bowel syndrome with constipation (IBS-C), and (2) SYN-004 which is designed to protect the gut microbiome from the effects of certain commonly used intravenous (IV) beta-lactam antibiotics for the prevention of *C. difficile* infection and antibiotic-associated diarrhea (AAD). In collaboration with Intrexon Corporation, the Company is also developing preclinical stage monoclonal antibody therapies for the prevention and treatment of pertussis and novel discovery stage biotherapeutics for the treatment of phenylketonuria (PKU). For more information, please visit Synthetic Biologics' website at [www.syntheticbiologics.com](http://www.syntheticbiologics.com).

*This release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. In some cases forward-looking statements can be identified by terminology such as "may," "should," "potential," "continue," "expects," "anticipates," "intends," "plans," "believes," "estimates," and similar expressions, and include statements regarding the potential benefits of SYN-004 and SYN-010. These forward-looking statements are based on management's expectations and assumptions as of the date of this press release and are subject to a number of risks and uncertainties, many of which are difficult to predict that could cause actual results to differ materially from current expectations and assumptions from those set forth or implied by any forward-looking statements. Important factors that could cause actual results to differ materially from current expectations include, among others, Synthetic Biologics' product candidates demonstrating safety and effectiveness, as well as results that are consistent with prior results, Synthetic Biologics' ability to initiate clinical trials and if initiated, to complete them on time and achieve*

*desired results and benefits, Synthetic Biologics' clinical trials continuing enrollment as expected, Synthetic Biologics' ability to obtain regulatory approvals for commercialization of product candidates or to comply with ongoing regulatory requirements, regulatory limitations relating to Synthetic Biologics' ability to promote or commercialize its product candidates for specific indications, acceptance of its product candidates in the marketplace and the successful development, marketing or sale of Synthetic Biologics' products, Synthetic Biologics' ability to maintain its license agreements, the continued maintenance and growth of Synthetic Biologics' patent estate, Synthetic Biologics becoming and remaining profitable, Synthetic Biologics' ability to establish and maintain collaborations, Synthetic Biologics' ability to obtain or maintain the capital or grants necessary to fund its research and development activities, a loss of any of Synthetic Biologics' key scientists or management personnel, and other factors described in Synthetic Biologics' Annual Report on Form 10-K for the year ended December 31, 2015 and its other filings with the SEC, including subsequent periodic reports on Forms 10-Q and 8-K. The information in this release is provided only as of the date of this release, and Synthetic Biologics undertakes no obligation to update any forward-looking statements contained in this release on account of new information, future events, or otherwise, except as required by law.*

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