

September 10, 2014



Synthetic Biologics to Webcast September 16, 2014 Irritable Bowel Syndrome (IBS) Investor Day

-- Keynote Speaker: Mark Pimentel, M.D., FRCP(C), Director, GI Motility Program and Laboratory, Cedars-Sinai Medical Center; Chairman, Synthetic Biologics' C-IBS Clinical Advisory Board --

ROCKVILLE, Md., Sept. 10, 2014 /PRNewswire/ --[Synthetic Biologics, Inc.](http://www.syntheticbiologics.com) (NYSE MKT: SYN), a biotechnology company developing novel anti-infective biologic and drug candidates targeting specific pathogens that cause serious infections and diseases, announced today that its Investor Day to highlight the Company's irritable bowel syndrome (IBS) program, including its novel, oral product SYN-010, targeting constipation-predominant IBS (C-IBS), will be webcast live at 9:00 a.m. EDT on Tuesday, September 16, 2014.



Synthetic Biologics' IBS Investor Day will feature the Company's management team and keynote speaker, Dr. Mark Pimentel, Director, GI Motility Program and Laboratory, Cedars-Sinai Medical Center and Chairman of Synthetic Biologics' C-IBS Clinical Advisory Board. The presentation will include an overview of the anticipated clinical and regulatory pathway for SYN-010 to reduce the impact of methane producing organisms on C-IBS. Dr. Pimentel will also discuss his groundbreaking work that led to the discovery of SYN-010, including the association between the overproduction of methane gas by microorganisms in the gut and conditions such as C-IBS, as well as further detail for SYN-010 itself.

Interested parties may log in to the live webcast over the Internet at [SYN IBS Investor Day Webcast](http://www.syntheticbiologics.com). If you are unable to participate during the live event, the webcast will be available for replay at the same URL, [SYN IBS Investor Day Webcast](http://www.syntheticbiologics.com), for 60 days after the Investor Day.

About Synthetic Biologics, Inc.

Synthetic Biologics, Inc. (NYSE MKT: SYN) is a biotechnology company focused on the development of novel anti-infective biologic and drug candidates targeting specific

pathogens that cause serious infections and diseases. The Company is developing an oral biologic to protect the gastrointestinal microflora from the effects of IV antibiotics for the prevention of *Clostridium difficile* (*C. difficile*) infection, an oral treatment to reduce the impact of methane producing organisms on constipation-predominant irritable bowel syndrome (C-IBS), a series of monoclonal antibodies for the treatment of Pertussis and *Acinetobacter* infections, and a biologic targeted at the prevention and treatment of a root cause of a subset of IBS. In addition, the Company is developing an oral estriol drug for the treatment of relapsing-remitting multiple sclerosis (MS) and cognitive dysfunction in MS. For more information, please visit Synthetic Biologics' website at www.syntheticbiologics.com.

This release includes forward-looking statements on Synthetic Biologics' current expectations and projections about future events. 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. These statements are based upon current beliefs, expectations and assumptions and are subject to a number of risks and uncertainties, many of which are difficult to predict and include statements regarding Synthetic Biologics' anticipated clinical and regulatory pathway for SYN-010. The forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from those set forth or implied by any forward-looking statements. Important factors that could cause actual results to differ materially from those reflected in Synthetic Biologics' forward-looking statements include, among others, the clinical trials not being conducted when anticipated and other factors described in Synthetic Biologics' report on Form 10-K for the year ended December 31, 2013 and any other filings with the SEC. 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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