**COMPANY OVERVIEW**

Synthetic Biologics, Inc. is a late-stage clinical company developing therapeutics that preserve the microbiome to protect and restore the health of patients. The Company’s lead late-stage candidates are: (1) SYN-004 (ribaxamase) which is designed to protect the gut microbiome from the effects of certain commonly used intravenous (IV) beta-lactam antibiotics to prevent microbiome damage, C. difficile infection (CDI), overgrowth of pathogenic organisms, the emergence of antimicrobial resistance (AMR) and acute graft-versus-host-disease (aGVHD) in allogeneic hematopoietic cell transplant (HCT) recipients and (2) 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). The Company’s preclinical pursuits include an oral formulation of the enzyme intestinal alkaline phosphatase (IAP) to treat both local GI and systemic diseases as well as monoclonal antibody therapies for the prevention and treatment of pertussis.

**RECENT NEWS**

**Synthetic Biologics Reports Second Quarter 2019 Operational Highlights and Financial Results**

Aug 8 2019, 4:15 PM EDT

**STOCK OVERVIEW**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>SYN</th>
<th>Exchange</th>
<th>NYSE American</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market Cap</td>
<td>8.91m</td>
<td>Last Price</td>
<td>$0.53</td>
</tr>
<tr>
<td>52-Week Range</td>
<td>$0.365 - $8.00</td>
<td>09/13/2019 04:10 PM EDT</td>
<td></td>
</tr>
</tbody>
</table>

**INVESTOR RELATIONS**

<table>
<thead>
<tr>
<th>Synthetic Biologics, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investor Relations Department</td>
</tr>
<tr>
<td>T: (301) 417-4364</td>
</tr>
<tr>
<td><a href="mailto:info@syntheticbiologics.com">info@syntheticbiologics.com</a></td>
</tr>
</tbody>
</table>

**MANAGEMENT TEAM**

Steven Shallcross
Chief Executive Officer, Chief Financial Officer, Treasurer and Secretary, Director

Michael Kaleko, MD, PhD
Senior Vice President, Research & Development

Raymond D. Stapleton, Jr., PhD
Senior Vice President, Manufacturing

**SYNTHETIC BIOLOGICS, INC.**

9605 Medical Center Drive
Suite 270
Rockville, MD 20850
US
T: (301) 417-4364
https://www.syntheticbiologics.com

**DISCLAIMER**

Except for the historical information contained herein, the matters discussed in this document are forward-looking statements that involve risks and uncertainties, including but not limited to business conditions and the amount of growth in the Company's industry and general economy, competitive factors, and other risks detailed from time to time in the Company’s SEC reports, including but not limited to its annual reports on Form 10-K and its quarterly reports on Form 10-Q. The Company does not undertake any obligation to update forward-looking statements.