



**November 29 - December 1, 2018**

**Hyatt Regency Clearwater Beach Resort & Spa • Clearwater, FL**

The Society for Biological Engineering invites you to participate in the **2nd International Conference on Plant Synthetic Biology, Bioengineering, and Biotechnology, November 29 - December 1, 2018 in Clearwater, FL.**

Plant synthetic biology uses enabling approaches from engineering and plants as platforms to produce self-sustaining and photosynthetic driven traits and bio-production. The emerging field relies on computational modeling and mathematical analysis to design predictable biological functions and sustainable traits. As such the field integrates and encompasses broad applications including biofuels, agriculture, bio-materials, biopharmaceuticals, sustainability and more. All aspects of plant synthetic biology will be discussed in this conference from tools to design predictable functions and precision genome editing, to designed photosynthesis, plant bioengineering techniques, and rational design of novel plant traits.

**SUBMIT AN ABSTRACT FOR THE FOLLOWING SESSION TOPICS:**

- Tissue Culture and Transformation of Recalcitrant Species
- Transgenic Approaches for Improving Traits and Performance of Crops
- Engineering of the Chloroplast Genome
- Gene-Editing Tools
- Plant Foundry: Biopolymers, Biopharmaceuticals and Medically Effective Secondary Metabolites (Vaccines, Antibodies, and Metabolites)
- Synthetic Biology Tools and Quantitative Aspects of Gene Circuit Design



**Submit your abstracts by July 29, 2018.**  
[www.aiche.org/plantsynbio](http://www.aiche.org/plantsynbio)

Organized by



**KEYNOTE SPEAKERS:**

- Poul Erik Jensen  
*University of Copenhagen*
- Johnathan Napier  
*Rothamsted Research*

**INVITED SPEAKERS:**

- Scott Betts  
*DuPont Pioneer*
- Kim Boutilier  
*Wageningen University & Research*
- Bill Gordon-Kamm  
*DuPont Pioneer*
- June Medford  
*Colorado State University*
- Christian Rogers  
*Sainsbury Laboratory University of Cambridge*
- Patrick Shih  
*Joint BioEnergy Institute*
- Christopher Voigt  
*Massachusetts Institute of Technology*

**CONFERENCE CO-CHAIRS:**

- Fredy Altpeter  
*University of Florida*
- Henrik Scheller  
*Joint Bioenergy Institute*

**ORGANIZING COMMITTEE:**

- Joyce Van Eck  
*Boyce Thompson Institute*
- Wayne Parrott  
*University of Georgia*
- June Medford  
*Colorado State University*
- Birger Lindberg Møller  
*University of Copenhagen*
- Nicola Patron  
*Earlham Institute*
- Neal Stewart  
*University of Tennessee*
- Yinong Yang  
*Penn State University*