



6th International Conference on Stem Cell Engineering

December 5 - 7, 2018

Hotel Indigo Los Angeles Downtown • Los Angeles, CA

Presented by the Society for Biological Engineering (SBE), this conference will bring together leaders and trainees from cutting edge fields of stem cell engineering including basic and applied studies to discuss progress and needs to develop the next generation of stem cell technologies.

Stem cell engineering is a distinct field at the intersection of stem cell biology, engineering and regenerative medicine. The understanding of how biophysical and biochemical cues in the cells' surrounding regulate cell fate and differentiation can be harnessed for the development of novel approaches to modulate stem cell behaviors and leading eventually to their clinical utilization. As stem cell knowledge matures, its appropriate translation to the clinical setting is crucial for success. Thus, in addition to fundamental studies, approaches to monitor stem cell responses, enhance regeneration through material properties, uncover the immunological response during regeneration and the accurate design of clinical trials are all required to unlock the therapeutic potential of stem cells.

SUBMIT AN ABSTRACT FOR THE FOLLOWING SESSION TOPICS:

- Disease modeling
- Organoid engineering
- Endogenous repair and immune engineering
- 3D printing
- Computational stem cell biology
- Clinical applications and challenges
- Differentiation and morphogenesis
- Towards regenerative therapies



Registration Now Open
www.aiche.org/stemcell

Organized by



KEYNOTE SPEAKERS:

- Kevin D'Amour
Viacyte, Inc.
- Juergen Knoblich
Institut of Molecular Biotechnology (IMBA)
- Brenda Ogle,
University of Minnesota-Twin Cities

INVITED SPEAKERS:

- Randolph S. Ashton
University of Wisconsin-Madison
- Adam J. Engler
University of California, San Diego
- Adam W. Feinberg
Carnegie Mellon University
- Kevin Healy
University of California, Berkeley
- Beth Pruitt
University of California, Santa Barbara
- Shyni Varghese
Duke University
- Peter Zandstra
University of British Columbia

CONFERENCE CHAIRS:

- Nicola Elvassore
University of Padova
- Stephanie Willerth
University of Victoria

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