



Call for Papers

How can biomolecular engineering address grand challenges in healthcare and the environment?

SBE's 3rd International Conference on Biomolecular Engineering

Grand Hyatt San Francisco, San Francisco, CA • January 16-19, 2011



Keynote Speakers:

Frances Arnold, *California Institute of Technology*

Vishva Dixit, *Genentech*

Leroy Hood, *Institute for Systems Biology*

Roger Tsien, *University of California, San Diego*

Conference Chairs:

Kurt Deshayes, *Genentech*

Jeff Varner, *Cornell University*

Go to www.aiche.org/ICBE to:

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**Submit an abstract
by September 22, 2010 at**

<http://aiche.confex.com/aiche/11/icbe/cfp.cgi>

Opportunities for corporate sponsorship and exhibits are available. Contact bio@aiche.org for more information.



The meeting brings together researchers using quantitative approaches to advance the understanding and application of biology at the molecular level. These approaches are contributing to the development of analytical, diagnostic, and therapeutic strategies that are directly relevant to public health. The meeting will also stimulate efforts to integrate these approaches across the molecular, cellular, and higher scales of biological complexity in a single-track Gordon-style conference format that includes hotel accommodations and most meals.

For more details visit www.aiche.org/ICBE.

Conference Topics:

- Evolutionary Engineering of Proteins
- Biomolecular Probes as Diagnostic and Therapeutic Reagents
- Evolutionary and Combinatorial Approaches to Metabolic Pathway Engineering
- Experimental and Computational Tools for the Design and Engineering of Biomolecules
- Strain Improvement and Intracellular and Intercellular Signaling Pathways and Networks
- Biophysical and Microscale Analyses of Molecular and Cellular Function
- Synthetic Biology
- Genomic, Proteomic and Metabolomic Approaches for Modifying Cellular Processes

Invited, Confirmed Speakers:

Mike Amos, *NIST*

Mike Elowitz, *California Institute of Technology*

Ed Driggers, *Agios Pharmaceuticals*

Zev Gartner, *University of California, San Francisco*

Pehr Harbury, *Stanford University*

Jeff Hasty, *University of California, San Diego*

Sang Yup Lee, *Korea Advanced Institute of Science and Technology*

James Liao, *University of California, Los Angeles*

Jens Nielsen, *Chalmers University of Technology, Sweden*

Herbert Sauro, *University of Washington*

Kevan Shokat, *University of California, San Francisco*

Stephen Turner, *Pacific Bioscience*

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