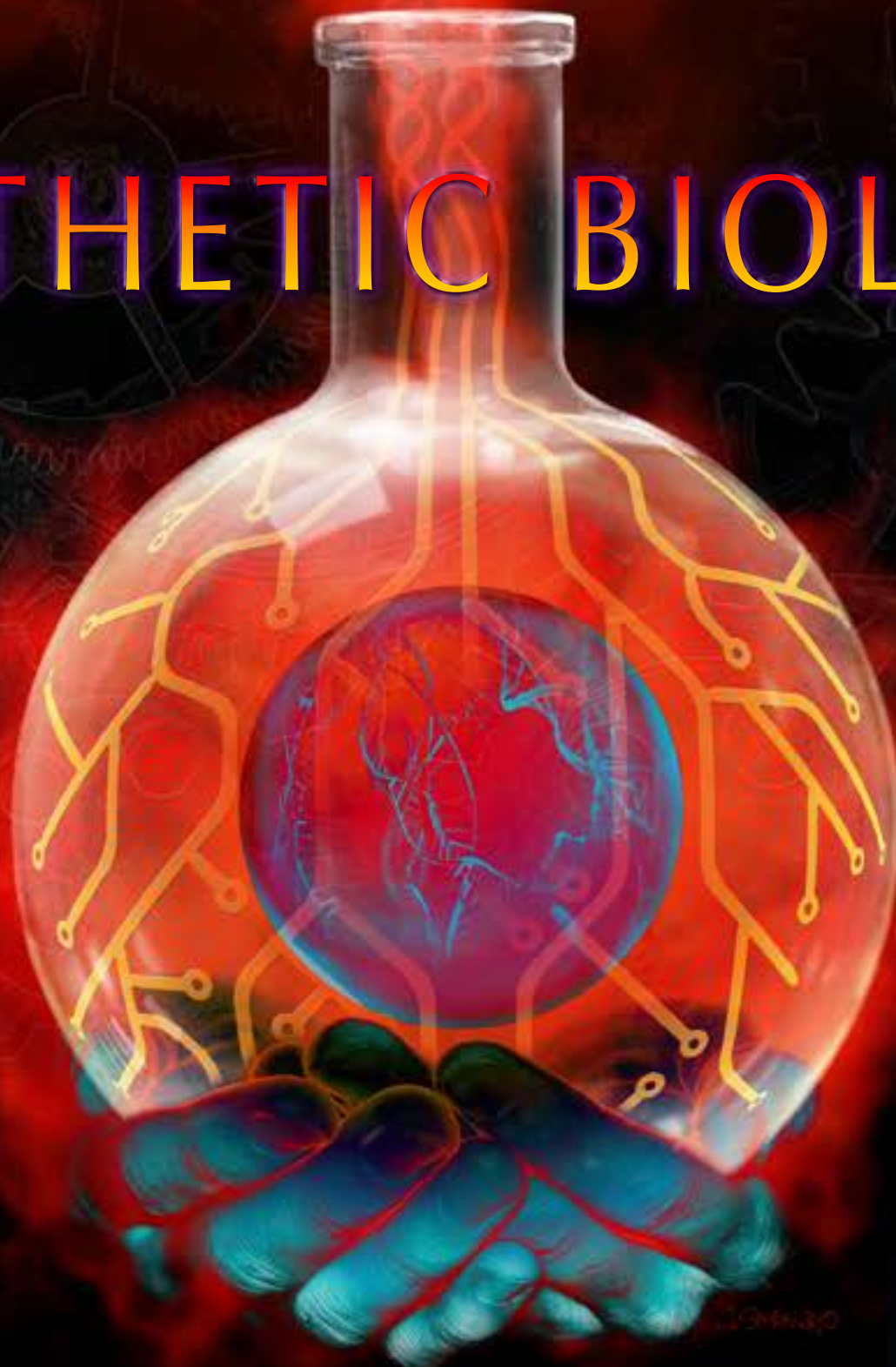


Salk Institute, Fondation IPSEN, and *Science* present
THE TENTH ANNUAL SYMPOSIUM ON BIOLOGICAL COMPLEXITY

SYNTHETIC BIOLOGY



January 20 - 22, 2016 • Salk Institute for Biological Studies, La Jolla, CA

One of the hottest new fields of biology is Synthetic Biology, which has the potential to revolutionize the way we do biotechnology today. By applying the toolbox and perspective of engineering disciplines to biology, a whole set of potential applications to generate functions that do not exist in nature become possible. This symposium will explore the wide breadth of this emerging field.

THE SYDNEY BRENNER NOBEL LECTURE FRANCES H. ARNOLD *CALIFORNIA INSTITUTE OF TECHNOLOGY*

SESSION 1: GENE CIRCUITS

JEFF HASTY (Chair) *UNIVERSITY OF CALIFORNIA, SAN DIEGO*
MICHAEL ELOWITZ *CALIFORNIA INSTITUTE OF TECHNOLOGY*
CHRISTOPHER VOIGT *MASSACHUSETTS INSTITUTE OF TECHNOLOGY*

SESSION 2: CELL ENGINEERING

WENDELL LIM (Chair) *UNIVERSITY OF CALIFORNIA, SAN FRANCISCO*
DANIEL A. FLETCHER *UNIVERSITY OF CALIFORNIA, BERKELEY*
NED WINGREEN *PRINCETON UNIVERSITY*
TIMOTHY LU *MASSACHUSETTS INSTITUTE OF TECHNOLOGY*

SESSION 3: METABOLIC ENGINEERING

SARAH O'CONNOR (Chair) *JOHN INNES CENTRE, UNITED KINGDOM*
GREGORY STEPHANOPOULOS *MASSACHUSETTS INSTITUTE OF TECHNOLOGY*
WILFRED VAN DER DONK *UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN*
MICHELLE CHANG *UNIVERSITY OF CALIFORNIA, BERKELEY*

SPECIAL LECTURE

FLOYD ROMESBERG *THE SCRIPPS RESEARCH INSTITUTE*

SESSION 4: PROTEIN EVOLUTION

DANIEL HARTL (Chair) *HARVARD UNIVERSITY*
DAVID BAKER *UNIVERSITY OF WASHINGTON*
ANGELA BELCHER *MASSACHUSETTS INSTITUTE OF TECHNOLOGY*
JAMES WELLS *UNIVERSITY OF CALIFORNIA, SAN FRANCISCO*

SESSION 5: APPLICATIONS

RON WEISS (Chair) *MASSACHUSETTS INSTITUTE OF TECHNOLOGY*
MARK DAVIS *CALIFORNIA INSTITUTE OF TECHNOLOGY*
MARTIN FUSSENEGGER *ETH ZURICH, SWITZERLAND*
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GALA DINNER AND LECTURE

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ABSTRACT SUBMISSION DEADLINE: November 27, 2015 **REGISTRATION DEADLINE:** January 4, 2016

Poster design by Jamie Simon, Salk Institute

