

Talks start at 1:00pm
Clark Center Auditorium
Poster session at 4:00pm
Clark Center Courtyard

1:00pm

Introduction

Carla Shatz, David Starr Jordan Director
of Stanford Bio-X

1:10pm

**Adaptation of a Miniature Microscope for
the Noninvasive *In Vivo* Detection of Rare
Circulating Tumor Cells in the Vasculature**

Christopher Contag (Pediatrics)

Michael Clarke (Oncology)

Olav Solgaard (Electrical Engineering)

1:30pm

**Prediction of Therapeutic Efficacy of
Targeted Oncogene Inactivation via
PET Imaging Using a Novel Smart
Apoptosis Probe ([¹⁸F]CAIP)**

Dean Felsher (Oncology)

Jianghong Rao (Radiology)

Frederick Chin (Radiology)

David Paik (Radiology)

1:50pm

**Real Time Biology Cloud Experi-
ments at Scale: Technology Develop-
ment and Integration in Education**

Ingmar Riedel-Kruse (Bioengineering)

Paulo Blikstein (Education)

2:10pm

**Building Genetic Tools to Engineer
Cyanobacteria**

James Swartz (Chemical Engineering)

Julie Theriot (Biochemistry)

2:30pm

Novel Approaches to Antiviral Therapy

Shirit Einav (Medicine)

Stephen Quake (Bioengineering)

2:50pm

**The Physics of Healthy Embryo
Development**

David Camarillo (Bioengineering)

Renee Reijo Pera (Obstetrics &
Gynecology)

Barry Behr (Obstetrics &
Gynecology)

3:10pm

**Illuminating the Neural Basis of
Risky Choice**

Brian Knutson (Psychology)

Karl Deisseroth (Bioengineering)

3:30pm

**Developing Targeted Drug
Therapies for Brain Tumors**

Jennifer Cochran

(Bioengineering)

Michelle Monje (Neurology)

3:50pm

Closing Comments

4:00pm

Reception and Poster Session

Stanford Bio-X

Interdisciplinary Initiatives

Seed Grants Program Symposium

August 26, 2015

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