

BIO-X

**August 27
2014**

Interdisciplinary Initiatives Seed Grants Program Symposium

James H. Clark Center Auditorium

**Poster Session at 4:00pm
Clark Center
Courtyard**

1:00pm Introduction

1:10pm

Biomarkers of the Social Deficits of Children with Autism

Karen Parker (Psychiatry)

Antonio Hardan (Psychiatry)

Joshua Elias (Chemical & Systems Biology)

Sonia Partap (Neurology)

1:30pm

Pluridirectional High-energy Agile Scanning Electron Radiotherapy (PHASER): A Novel Design for Radiation Treatment of Cancer

Peter Maxim (Radiation Oncology)

Billy Loo (Radiation Oncology)

Sami Tantawi (SLAC)

1:50pm

Towards Visualizing the Molecular Processes of the Retina in Living Subjects

Adam de la Zerda (Structural Biology)

Mark Blumenkranz (Ophthalmology)

2:10pm

Single Molecule and High-Resolution Imaging of Developmental Signal Transducers

W.E. Moerner (Chemistry)

Matthew Scott (Developmental Biology)

2:30pm

Developing Biomimetic Hydrogels to enhance Pluripotent Stem Cell-based Therapy for Smooth Muscle Tissue Repair

Fan Yang (Orthopaedic Surgery)

Renee Reijo Pera (Obstetrics and Gynecology)

Bertha Chen (Obstetrics and Gynecology)

2:50pm

Real-time Measurements of Biological Interactions using Multiplexed Peptide Arrays on Silicon Wafers

PJ Utz (Medicine)

Shan Xiang Wang (Electrical Engineering)

3:10pm

Engineering the Outside of the Cell from Within: Cytoskeletal Control of Cell Wall Structure and Mechanics

KC Huang (Bioengineering)

Wolf Frommer (Biology)

David Ehrhardt (Plant Biology)

3:30pm

Probing the Active Mechanics of Hair Cells - Faster than the Speed of Hearing

Beth Pruitt (Mechanical Engineering)

Tony Ricci (Otolaryngology)

3:50pm Closing Comments

4:00pm Reception and Poster Session

<https://biox.stanford.edu/research/seed-grants>



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