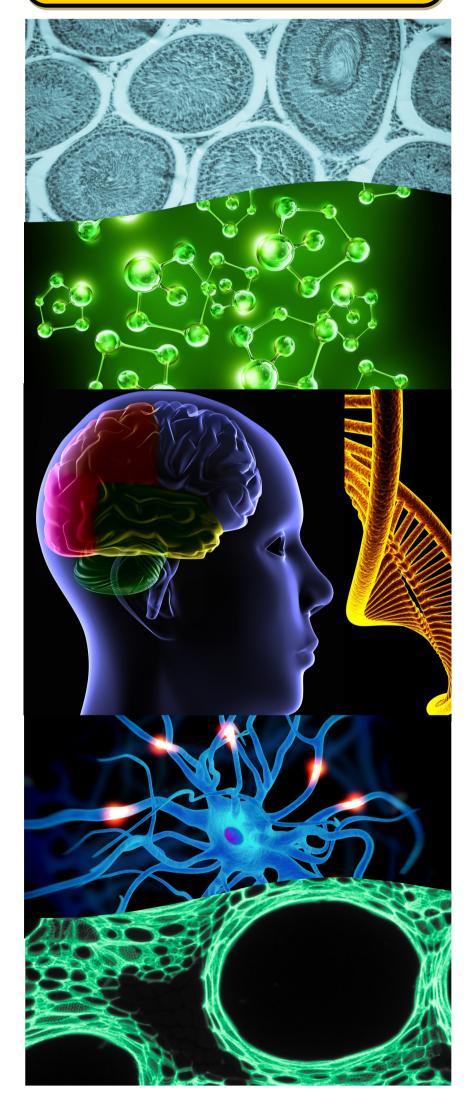
August 27 **Interdisciplinary Initiatives Seed Grants Program** Symposium

Poster Session at 4:00pm Clark Center Courtyard



James H. Clark Center Auditorium

2014

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



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