USC Fraserlab presents:

VISUALIZING FORM AND FUNCTION: TALES FROM THE TECHNOWEENIES

OCTOBER 6, 2014, RADISSON HOTEL MIDTOWN AT USC
OPENING SESSION WILL BEGIN AT 9:00 AM AND FINAL
SESSION WILL END AT 5:00 PM.
Visualizing Form and Function: Tales from the Technoweenies

Welcome 9:00 AM

Session 1: You Can Observe A Lot by Just Watching
MON 9:05-10:30 AM
Chairs: Michael Liebling and Martin Garcia-Castro
Mary Dickinson (Baylor Med) “Imaging the interpretive dances of cells”
Richard Harland (UC Berkeley) “It’s the biology, stupid”
Angela Stathopoulos (Caltech) "Imaging on the fly"
Paul Trainor (Stowers Institute) "We've come a long way since 1954"

Coffee break 10:30-10:45 AM

Session 2: Whiz-bangs and Widgets
MON 10:45 AM-12:15 Pm
Chairs: Angie Louie and Thai Truong
Steve Potter (Georgia Tech) "The Optoclamp: Closed-loop optogenetic control of neuronal networks"
Jim Eberwine (U Pennsylvania) “Light’ening strikes genomics”
Derek Stemple (Sanger Institute) “Herbie Botts: A legacy of innovation”
Niles Pierce (Caltech) “Engineering programmable molecular instruments”
Eric Ahrens (UC San Diego) “Imaging human models of mouse diseases”

Lunch break 12:15-2:00 PM

Session 3: Extraordinary Claims Require Extraordinary Evidence
MON 2:00-3:30 PM
Chairs: Le Trinh and Andres Collazo
Paul Kulesa (Stowers Institute) “Molecular heterogeneity drives collective cell migration”
John Wallingford (UT Austin) “Planar Cell Polarity: What we got right and what we got wrong”
Reinhard Koester (Technische Universität Braunschweig) “Probing cerebellar function with light”
Andy Ewald (Johns Hopkins) “How does metastasis actually work?”
Sanford Simon (Rockefeller) “The clash of philosophies in biomedical imaging: Yogi Berra vs. Jerry Garcia - The search for the holey grail”

Coffee break 3:30-3:45 PM

Session 4: To Infinity And Beyond
MON 3:45-5:00 PM
Chairs: Helen McBride and Ed Rosa-Molinar
Rusty Lansford (CHLA-USC) “Listen to me now and believe me later”
Andy McMahon (USC) “Applying development”
Robb Krumlauf (Stowers Institute) "A short story in segments"
John Carpenter (Oblong Industries) "Gesturing with spatial pixels"

Closing Russ Jacobs (Caltech)