

Armenise-Harvard Foundation 15th Symposium
Mechanisms to Molecules
Poiano Resort, Lake Garda, Italy



PROGRAM

Sunday, June 22, 2014

- 5.00 PM Welcome and Introduction
Dr. Jeffrey Flier, Dean, Harvard Medical School
- 5.15 PM Keynote Address by Dr. Stephen Harrison, Giovanni Armenise-Harvard
Foundation Professor of Basic Medical Sciences, Harvard Medical School
and Boston Children's Hospital, *Molecule to mechanisms -- a case history*
- 6.30 PM Welcome Reception
- 7.30 PM Dinner

Monday, June 23, 2014

7:00-8:30 AM Breakfast

Session 1 **Mechanisms Regulating Epigenetic Regulation**
Chair: Roberto Sitia

8:30-8:50 AM Danesh Moazed
Regulation of Chromatin Structure by Noncoding RNA

8:50-9:00 AM Discussion/Q&A

9:00-9:20 AM Stephen Buratowski
Shaping the Eukaryotic Transcriptome with Chromatin and Non-Coding RNA

9:20-9:30 AM Discussion/Q&A

9:30-9:50 AM Diego Pasini
Activities of Polycomb Group Proteins in Proliferation and Developmental Control

9:50-10:00 AM Discussion/Q&A

10:00-10:15 AM Break

10:15-10:35 AM Giuseppe Testa
Joining the Zoo: Cell Reprogramming and the Rise of Human Disease Models

10:35-10:45 AM Discussion/Q&A

Session 2: **Mechanistic Insights from Single Molecule Analysis**
Chair: Daniela Corda

10:45-11:05 AM Samara Reck-Peterson
Spatial Regulation of Molecular Motors

11:05-11:15 AM Discussion/Q&A

11:15-11:35 AM Andreas Leschziner
Mechanism and Regulation of Cytoplasmic Dynein

11:35-11:45 AM Discussion/Q&A

11:45-12:00 PM Break

12:00-12:20 PM Joseph Loparo
Overcoming Obstacles: Single-Molecule Visualization of DNA Repair

12:20-12:30 PM Discussion/Q&A

12:30- 12:50 PM Sheref Mansy
Integrating Artificial with Natural Cells

12:50- 1:00 PM Discussion/Q&A

1:00 PM Bag Lunches, Free Afternoon or Excursion to Sirmione & Lake Tour

6:00-8:00 PM Poster Session

8.00 PM Dinner

Tuesday, June 24, 2014

7:00-8:30 AM Breakfast

Session 3: **Mechanisms Regulating Trafficking**
Chair: Fred Goldberg

8:30-8:50 AM Roberto Sitia
Biogenesis and Quality Control of Oligomeric Proteins in the Early Secretory Pathway

8:50-9:00 AM Discussion/Q&A

9:00-9:20 AM Tomas Kirchhausen
Imaging Endocytosis with High Spatiotemporal Resolution

9:20-9:30 AM Discussion/Q&A

9:30-9:50 AM Daniela Corda
Mono-ADP-Ribosylation and Membrane Trafficking

9:50-10:00 AM Discussion/Q&A

10:00-10:15 AM *Break*

10:15-10:35 AM Alberto Luini
Control Systems of the Cellular Membrane Transport Apparatus

10:35-10:45 AM Discussion/Q&A

Tuesday, June 24, 2014

Session 4: **Degradation Mechanisms**
Chair: Samara Reck-Peterson

10:45-11:05 AM Simona Polo
Myosin VI Bridges Ubiquitin Signaling and Cell Migration

11:05-11:15 AM Discussion/Q&A

11:15-11:35 AM Alfred Goldberg
New insights into proteasome mechanisms in normal and disease states

11:35-11:45 AM Discussion/Q&A

11:45-12:00 PM *Break*

12:00-12:20 PM Andrea Musacchio
Towards In Vitro Reconstitution of Mitotic Checkpoint Signaling

12:20-12:30 PM Discussion/Q&A

12:30- 12:50 PM Francesco Cecconi
The Autophagy Signaling Network in the Coordination of a Cell's Response

12:50- 1:00 PM Discussion/Q&A

1.00-2:30 PM Lunch

Session 5: **Signal Transduction Mechanisms**

Chair: Pier Paolo DiFiore

2:30-2:50 PM	Gianni Cesareni <i>The Signaling Mechanisms Underlying the Anti-Tumor Activity of Metformin</i>
2:50-3:00 PM	Discussion/Q&A
3:00-3:20 PM	Stephen Blacklow <i>Mechanistic events regulating notch signal transduction</i>
3:20-3:30 PM	Discussion/Q&A
3.30-3.45 PM	Break
3:45-4:05 PM	Michael Eck <i>Mechanism of inhibition of the epidermal growth factor receptor by Mig6</i>
4:55-4:15 PM	Discussion/Q&A
4:15-4:35 PM	Pier Paolo Di Fiore <i>Connecting the Machineries of Cell Fate Determination and Tumor Suppression in Mammary Stem Cells</i>
4:35-4:45PM	Discussion/Q&A
4:45-5:30 PM	Meeting Summary and Closing Remarks by Tomas Kirchhausen <i>Dynamics of Endocytosis</i>
8 :00 PM	Dinner

Wednesday, June 25, 2014

7:00-All Day Breakfast & Departures



Poster Session