



Center for Applied Molecular Medicine
Physical Sciences in Oncology Center
Short Course
Monday, October 17, 2011
Davidson Conference Center, Los Angeles, CA

7:00 a.m. - 8:00 p.m.

AGENDA

7:00 a.m. - 8:00 a.m.	Registration Opens	Conference Center Lobby
7:00 a.m. - 8:00 a.m.	Continental Breakfast	Conference Center Lobby
8:00 a.m. - 8:10 a.m.	Welcome - Opening Remarks David B. Agus, MD - University of Southern California, Center for Applied Molecular Medicine, Moderator W. Daniel Hillis, PhD - Applied Minds and University of Southern California, Center for Applied Molecular Medicine	Embassy Room
8:10 a.m. - 8:25 a.m.	Introduction - NCI PSOC Network Larry A. Nagahara, National Cancer Institute - PSOC Program Director <i>Overview of the NCI PSOC Network</i>	Embassy Room
8:30 a.m. - 10:15 a.m.	Session I - Cancer Biology and the Cancer Genome	Embassy Room
8:30 a.m. - 9:05 a.m.	Paul Mischel, UCLA - The Biology of Cancer from Cell to Patient, Oncogenesis to Therapeutic Response	
9:05 a.m. - 9:40 a.m.	Matteo Pellegrini, UCLA - Evolution in Cancer	
9:40 a.m. - 10:15 a.m.	Mitchell Gross, USC - Historical Perspective on Cancer Diagnosis and Treatment	
10:15 a.m. - 10:30 a.m.	MORNING BREAK	Lobby
10:30 a.m. - 12:15 p.m.	Session II - The Physicist Perspective on Cancer	Embassy Room
10:30 a.m. - 11:05 a.m.	Dan Ruderman, USC - Cancer as a Multi-scale Problem	
11:05 a.m. - 11:40 p.m.	Paul Macklin, USC - Computational Models of Cancer Growth	
11:40 p.m. - 12:15 p.m.	Tom Tombrello, Cal-Tech - Perspective: Big Problems in Physics vs. Cancer	
12:15 p.m. - 1:45 p.m.	LUNCH - TOPIC TABLES	Vineyard Room & Patio
1:45 p.m. - 3:10 p.m.	Session III - Novel Measurement Platforms & Data Management & Integration	Embassy Room
2:00 p.m. - 2:35 p.m.	Michelle Povinelli, USC - The Role of Novel Microdevices in Dissecting Cellular Phenomena	
2:35 p.m. - 3:10 p.m.	Carl Kesselman, USC - Data Management & Integration Challenges in Interdisciplinary Studies	
3:10 p.m. - 3:40 p.m.	Session IV - Creativity in Research at the Interface between the Life and Physical Sciences	Embassy Room
3:10 p.m. - 3:40 p.m.	'Fireside Chat' David Agus and Danny Hillis, USC	
3:40 p.m. - 3:55 p.m.	AFTERNOON BREAK	Lobby



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4:00 p.m. - 5:00 p.m.

Capstone - Keynote Speaker

Tim Walsh, Game Inventor, Keynote Speaker

Embassy Room

4:30 p.m. - 5:00 p.m.

FINAL Poster Session Set Up!

(Judges circulate first hour of reception)

**Pre-designated Area
Assigned at Registration**

5:30 p.m. - 8:00 p.m.

Poster Session & Reception

Posters displayed in lobby area - Reception in Vineyard Room

Vineyard Room

Below information not valid until day of short course

Short Course will be available via webcast at:

<http://www.camm.usc.edu/webcast/>

Login: USCPSOC2011

Password: shortcourse