Retreat Program
Friday, Nov. 15, 2013

9:15 a.m. – Noon
Mentoring, Education & Training Panel
Lari Wenzel, PhD
(Closed session)

Noon – 1 p.m.
Lunch @ the Atrium

Session I – The Grand Salon

1 – 1:10 p.m.
Welcome & Introductory Remarks
Christopher Hughes, PhD & Edward Nelson, MD

1:10 – 1:35 p.m.
High Impact Science
Structural Basis for Effector Control and Redox Partner Recognition in Cytochrome P450
Thomas Poulos, PhD

1:35 – 2 p.m.
Patient Centered Outcomes Research and Mentorship Education & Training (MET)
Lari Wenzel, PhD

2 – 2:10 p.m.
Optical Imaging & Biology (OIB) Research Program Overview
Lydia Su, PhD

2:10 – 2:30 p.m.
OIB Science Presentation
Development of in vitro Vascularized Microtumors for Drug Screening
Christopher Hughes, PhD

2:30 – 2:50 p.m.
OIB Science Presentation
Expanding the Imaging Toolbox for Visualizing Metastatic Disease
Jennifer Prescher, PhD

2:50 – 3:05 p.m.
Seed Grant Recipient
UCI Tissue Biorepository: Proactive Personalized Cancer Medicine (PPCM)
Dan Mercola, MD, PhD

3:05 – 3:30 p.m.
Coffee Break – @ the Grand Foyer
### Session II – The Grand Salon

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>3:30 – 3:40 p.m.</td>
<td><strong>Chemical &amp; Structural Biology (CSB) Research Program</strong></td>
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<td></td>
<td>Gregory Weiss, PhD</td>
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<td>3:40 – 4 p.m.</td>
<td><strong>CSB Science Presentation</strong></td>
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<td></td>
<td>Development of Chemical Cross-linking Mass Spectrometry Based Strategies for Structural Analysis of Protein Complexes</td>
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<td>Scott Rychnovsky, PhD</td>
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<td>4 – 4:20 p.m.</td>
<td><strong>CSB Science Presentation</strong></td>
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<td>Cancer Biomarker Detection in Urine with Nanometer-Scale Virus-Plastic Electrodes</td>
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<td>Gregory Weiss, PhD</td>
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<td>4:20 – 4:35 p.m.</td>
<td><strong>New Investigator</strong></td>
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<td>Engineering Biomimetic Nanoparticles for Cancer Immunotherapy</td>
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<td>Szu-Wen Wang, PhD</td>
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<td>4:35 – 6:30 p.m.</td>
<td><strong>Poster Session @ the Retreat</strong></td>
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<tr>
<td>6:30 - 7:30 p.m.</td>
<td><strong>Dinner @ the Atrium</strong></td>
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### Session III – The Grand Salon

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<th>Time</th>
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<tr>
<td>7:30 – 8 p.m.</td>
<td><strong>Keynote Address</strong></td>
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<td>The Chao Family Comprehensive Cancer Center: 2014 and beyond</td>
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<td>Richard Van Etten, MD, PhD</td>
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<td>8 – 9:30 p.m.</td>
<td><strong>Van Etten Welcome Reception @ on the Marble</strong></td>
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</table>
Saturday, Nov. 16, 2013

7 – 8 a.m.  Continental Breakfast – @ the Atrium

Session IV – The Grand Salon

8 – 8:20 a.m.  UC Irvine Health Leadership Update
   Ralph Clayman, MD & Terry A. Belmont, CEO

8:20 – 8:40 a.m.  Strategic Initiatives – Medical Center
   Teresa Conk, Chief Strategy Officer

8:40 – 9 a.m.  Strategic Initiatives – Clinical Cancer Programs
   Leonard Sender, MD

9 – 9:15 a.m.  Strategic Initiatives – Pathology Department
   Ed Monuki, MD, PhD

9:15 – 9:25 a.m.  Systems, Pathways & Targets (SPT) Research Program Overview
   Marian Waterman, PhD

9:25 – 9:45 a.m.  SPT Science Presentation
   Developing FTY720 Analogs to Starve Cancer Cells to Death
   Aimee Edinger, PhD

9:45 – 10:05 a.m.  SPT Science Presentation
   Small Molecule Reactivation of p53 Cancer Mutants
   Peter Kaiser, PhD

10:05 – 10:25 a.m.  Coffee Break – @ the Grand Foyer

Session V - The Grand Salon

10:25 – 10:40 a.m.  New Investigator
   The Fitness Landscape of the Hematopoietic Stem Cell Pool as a Driver of Neoplastic Clonal Evolution
   Angela Fleischman, MD, PhD

10:40 – 10:55 a.m.  Shared Resources Overview
   Jacque Tidball, Associate Director for CCSG Administration
   Daniel L. Gillen, PhD and Director of the Biostatistics Core
   J. Lawrence Marsh, PhD and Director of the Optical Biology Core
10:55 – 11:05 a.m.  
Cancer Prevention & Prognosis (CPP) Research Program Overview  
Christine McLaren, PhD

11:05 – 11:25 a.m.  
CPP Science Presentation  
Cancer Prevention and Tobacco Control in the 21st Century  
David S. Timberlake, PhD

11:25 – 11:45 a.m.  
CPP Science Presentation  
Molecular and Epigenetic Mechanisms of Gender Disparities in Early Onset Melanoma  
Archana McEligot, PhD and Feng Liu, PhD

11:45 a.m. – 12:05 p.m.  
Personalized and Genomic Medicine  
Personalized and Genomic Medicine (PGM): The Future for Discover, Teach, Heal and Quality Improvement  
Frank Meyskens, MD

12:05 – 1:10 p.m.  
Lunch – @ the Atrium

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Session VI – The Grand Salon

1:10 – 1:25 p.m.  
Prostate Disease Oriented Team  
Thomas Ahlering, MD

1:25 – 1:40 p.m.  
Colon Disease Oriented Team  
Robert Edwards, MD, PhD

1:40 – 1:55 p.m.  
Skin Disease Oriented Team  
Kristen Kelly, MD

1:55 – 2:10 p.m.  
Women's Disease Oriented Team  
Krishnansu Tewari, MD

2:10 – 2:30 p.m.  
CSUF and UCI-CFCCC Research Partnership for Cancer Health Disparities  
F. Allan Hubbell, MD and Sora Park-Tanjasiri, PhD

2:30 – 2:50 p.m.  
Coffee Break – @ the Grand Foyer

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Session VII – Chronobiology Plus Session - The Grand Salon

2:50 – 3:10 p.m.  
The Core Clock regulator Bmal1 Controls Circadian Cell Proliferation in the Epidermis and Hair Follicles as well as the Susceptibility to UVB-Induced DNA Damage in the Epidermis  
Bogi Andersen, MD
3:10 – 3:30 p.m.  Circadian Synchronization of Proliferation Dynamics of Hair Follicle Progenitors and Implications for Cancer Therapies
Maksim Plikus, PhD

3:30 – 3:50 p.m.  Circadian Clock Regulates the Host Response to Salmonella
Manuela Raffatellu, PhD

3:50 – 4:10 p.m.  Metronomic Approaches in the Treatment of Melanoma
John Fruehauf, MD, PhD

4:10 – 4:30 p.m.  Director’s Remarks
Richard Van Etten, MD, PhD

4:30 – 4:35 p.m.  Closing Comments
Christopher Hughes, PhD and Edward Nelson, MD

5:30 – 6 p.m.  Pre-Dinner Function - @ on the Marble

6 – 7 p.m.  Dinner – @ the Atrium