

# 2009 Annual Retreat - Schedule of Events

FRIDAY, SEPTEMBER 11, 2009

1-1:45 p.m. **Check-in and room assignment/Inn and Conference Center, Main Desk  
Set Up Poster Display (Conference Center, Highlands Room)**

2 - 4:45 p.m.

**Scientific Session I (Conference Center, Summit Room) Chair: Marcel Bruchez**

2 -2:30	Jon Minden	"25 million-fold dynamic range: am I crazy?"
2:30-3	Veronica Hinman	"Evolution of gene regulatory networks"
3-3:30	Javier Lopez	"Why bother? Function of a non-exonic recursive splicing element."
**break*		
3:45-4:15	Justin Crowley	"Patterning forces in visual system development"
4:15-4:45	Eric Ahrens	"In vivo cytometry"

4:45 - 6 p.m.

**Poster Session (Conference Center, Highlands Room)**

Mike Chen	"Effect of schizophrenia-associated SNPs on alternative splicing of the human dopamine transporter"
Kaitlyn Dykstra	"Mammalian Yip1A regulates endoplasmic reticulum structure"
Elane Fishilevich	"pHMA, a pH-sensitive GFP reporter for cell engulfment in Drosophila embryos"
Emily Furbee and Melissa Witzberger	"Recombineering and site-directed transgenesis in Drosophila"
Anmol Grover	"A genetically targetable cell surface selected pH sensor"
John Holleran	"CFTR Biosensors: Implementing fluoromodules to develop therapeutic strategies"
Megha Kapur and Ezgi Kunttas-Tatli	"Dissecting the role of APC2 and diaphanous during pseudocleavage furrow formation"
Cheng-Neng Ko	"Cluster analysis of structure-based virtual screening by using protein-ligand interactions and compound structure"
Shu Ying Kwan	"Macrophage infiltration of scaffolds during angiogenesis"
Parker Mills	"Automated detection and magnetic property measurement of iron-oxide-labeled cells using MRI"
Yevgeniya Monisova	"Analysis of tissue-specific alternative splicing in Drosophila by mRNA tagging with human cytoplasmic PABP"
Debrup Sengupta	"Organelle tethering by a homotypic PDZ interaction underlies formation of the Golgi membrane network"
Ayshwarya Subramanian	"Identifying tumor subtypes using geometric unmixing approaches"
Smita Yadav	"A Primary Role for Golgi Positioning in Directed Secretion, Cell Polarity and Wound Healing"
Qi Yan	"Super-resolution STED imaging in living cells using Fluorogen Activating Proteins"
Mengning Zhou	"Studying the mechanisms of APC2's cortical localization"

6 - 7 p.m.

**Dinner at the Conference Center, Powder Ridge Room**

7 - 9 p.m.

**Scientific Session II (Conference Center, Summit Room) Chair: John Woolford**

7 - 7:15	Introduction of New Students & Newest Faculty	
7:15 - 7:45	Manoj Puthenveedu	"Intracellular trafficking of signaling receptors"
7:45 - 8:05	Tim Jarvela	"A gene based strategy for photoinactivation reveals distinct requirements for Golgi biogenesis in HeLa cells"
8:05 - 8:25	Shu Ying Kwan	"Monitoring tissue remodeling non-invasively in vivo using NIR imaging"
8:25 - 8:45	Sonal Shruti	"Activity dependent regulation of BK channel trafficking"

8:45 - 9 p.m.

**Entertainment by Graduate Students**

9 p.m. - Midnight

**Happy Hour Campfire (Outside Conference Center, next to Lake George)**

# 2009 Annual Retreat - Schedule of Events

**SATURDAY, SEPTEMBER 12, 2009**

7 - 8:45 a.m.

7-8:45 am                      Check-out of hotel room - deposit luggage in the Conference Center, Highlands Room  
Continental Breakfast (Conference Center, Powder Ridge Room)

8:45 a.m. - 12 p.m.

**Scientific Session III (Conference Center, Summit Room) Chair: Gordon Rule**

8:45-9:15	Tina Lee	"A novel regulator of endoplasmic reticulum structure and organization"
9:15 - 9:45	Russell Schwartz	"Improving Models of Cellular Self-Assembly"
9:45 - 10:15	Nathan Urban	"New and different neurons"
<b>**break**</b>		
10:30 - 11	Chien Ho	"Recombinant hemoglobins as resuscitation fluids in a mouse model for traumatic brain injury and hemorrhagic shock"
11 - 11:30	John Woolford	"Powering progression and promoting precision of ribosome biogenesis"
11:30 - 12	Jill Blankenship	"Protein kinases: Vital environmental sensors in a cosmopolitan fungus"

12 - 1 p.m.

**Lunch at the Conference Center, Powder Ridge Room**  
**Group Photograph**

1 - 1:30 p.m.

**Student Meeting with Dr. Woolford (Conference Center, Summit Room)**

1:30 - 4:30 p.m.

**Recreation**

4:30 - 6 p.m.

**Scientific Session IV (Conference Room, Summit Room) Chair: Mark Macbeth**

4:30 - 5	Brooke McCartney	"Testing biochemical models for protein function in the animal: the role of phosphorylation and salt bridging in Drosophila APC2 function"
5 - 5:30	Peter Berget	"S-S-less"
5:30 - 6	Chuck Etensohn	"Heads and tails: Polarity of the early embryo"

6 - 7 p.m.

**Barbeque (Outside Conference Center, next to Lake George)**

7 p.m.

**Depart for Pittsburgh**