

Department of Biological Sciences – Elizabeth Jones Retreat 2017

Hidden Valley Resort

All scheduled talks and the poster session will be held in The Summit/Highlands Room

SATURDAY, September 30

9:00am Arrival and Check-in

9:15am Light refreshments

Session I – 10:00am

Session chair: David Hackney

10:00am Aaron Mitchell, Ph.D., – opening remarks

10:10am Yizhu Lin “Structural analyses of NEAT1 lncRNAs suggest long-range RNA interactions that may contribute to paraspeckle architecture”

10:40am Rolando Cuevas “A novel streptococcal cell–cell communication peptide promotes pneumococcal virulence and biofilm formation”

11:10am - break -

11:30am Nick Audette – “Sensory Experience Induces Thalamocortical Plasticity”

12:00pm Eric Yttri, Ph.D., “Thought to Action: Dissecting the neural control of movement.”

12:30pm - Lunch / Photo -

1:15pm Meeting with Department Head

1:45pm Recreation

Session II – 4:15pm

Session chair: Veronica Hinman, Ph.D.,

4:15pm Leon Zhao, Ph.D., ““Economical, scalable, nanoscale imaging approaches for profiling and diagnosis of complex diseases.”

4:45pm Adam Linstedt, Ph.D., “Targeting the Golgi for Novel Therapeutics”

5:30pm - Dinner -

6:30pm Poster Session

(Continued)

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Session III – 8:00pm

Session chair: Brooke McCartney

- 8:00pm Jimmy Khor " Functional divergence of paralogous homeodomain transcription factors via exonization supported the evolution of biomineralization in echinoderms"
- 8:30pm Tina Lee, Ph.D., "The importance of letting go"
- 9:00pm Graduate Student Awards** - Introduction of new graduate students
- **Bonfire/Entertainment** -

SUNDAY, October 1

(note: A complimentary light breakfast is available to all lodgers >7:00am in the small breakfast room located near the front desk before our scheduled breakfast at 8:30am.)

- 8:30am Fitness Break / light breakfast - Summit/Highlands Room

Session IV – 9:00am

Session chair: Marcel Bruchez, Ph.D.,

- 9:00am Joel McManus, Ph.D., "Unraveling the roles of UTRs in gene regulation".
- 9:30am Veronica Hinman, Ph.D., - "Evolving the Soft Touch"
- 10:00am John Woolford, Ph.D., "Preparing to leave the nest, and the surprising consequences of not doing so properly"
- 10:30am - break -**
- 11:00am Aaron Mitchell, Ph.D., - "Diversity in impact of virulence determinants"
- 11:30am Sandra Kuhlman, Ph.D., "Critical Periods of Plasticity: Circuit Re-wiring in Young Versus Old"
- Noon - Lunch –**
- 1:00pm Depart for Pittsburgh**

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First Name	Last Name	Poster Title:
Daniel	Ackerman	"Development of an Intradermal Sensor of Systemic Inflammation"
Nick	Audette	"POm Thalamocortical Input Drives Layer-Specific Microcircuits in Somatosensory Cortex"
Stephanie	Biedka	"Events leading to and resulting from removal of the ITS2 foot from pre-ribosomes"
Greg	Cary	"Mutable Transitions Between Attractor Kernels in Regulatory Network Evolution"
Ian	Fucci	"Structural Characterization of Protein-Polymer Conjugates"
Jian Ming	Khor	"Functional divergence of paralogous homeodomain transcription factors via exonization supported the evolution of biomineralization in echinoderms"
Salini	Konikkat	"3P-Map : An Improved Method to Map mRNA 3'-Ends"
Yizhu	Lin	"Causal inference in gene expression regulation from large-scale datasets"
Amber	Lucas	"Utilization of PBPE to generate Caged Avidin for biotin sequestration"
Stephanie	Myal	"Cell type-selective enhancement of excitation onto S1 interneurons by acetylcholine"
Lydia	Perkins	"Discovery of New Gene Targets for Synergistic Cystic Fibrosis Therapies"
Alan	Shteyman	"The Effect of Tree Building Algorithm on Cell Lineage Reconstruction based off Microsatellite Datasets"
Emily	Simon	"Contribution of ppGalNAc transferase-1 to mucin-type O-glycosylation on the Ebola virus glycoprotein"
Alexander	Swain	"Progress in Defining the Mechanism by which Inhibition regulates the Development of Visual Acuity"
Chris	Szent-Gyorgyi	"Secrete, Capture, Sort, Sequence: NGS Decoded Molecular Recognition Pairs"
Amanda	Willard	"Progression of SNr pathophysiology depends on mouse model of dopamine depletion"
Zhipeng	Yang	"Fluorogen Activating Protein-Based FRET Pairs in Live Cell Imaging"
Minyan	Zheng	"Regenerating the "Brain" in Larval Sea Star"