

# PRISE 2010 -- FINAL PRESENTATION SCHEDULING MATRIX

<b>PRISE Program Assistant Scheduler</b>	<b>SENAN EBRAHIM</b>	<b>FRANCESCA REINDEL</b>	<b>JAMES PELLETIER</b>	<b>DENISE XU</b>
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Monday, August 9, 2010

<b>Date/Location in Science Ctr</b>	<b>3:00pm-3:18pm</b>	<b>3:20pm-3:38pm</b>	<b>3:40pm-3:58pm</b>	<b>4:00pm-4:18pm</b>	<b>4:20pm-4:38pm</b>	<b>4:40pm-4:58pm</b>	<b>5:00pm-5:18pm</b>	<b>5:20pm-5:38pm</b>
Monday, 8/9 Room 221 Introducer: Denise Xu	<b>Aaron Deardon</b> , Physics, Genetically engineered iGarden (Alain Viel)	<b>Jackie Quinn</b> , Engineering, iGarden (Alain Viel)	<b>Rajarshi Banerjee</b> , Neurobiology, The B cell immune response in meningiomas (Kevin O'Connor)	<b>Helen Yang</b> , History and Science, "Mapping the body's long-term battle against Hepatitis C infection" (Georg Lauer)	<b>Mengyuan (Marion) Liu</b> , MCB, Viral recognition by RIG-I like receptors (Sun Hur)	<b>Chris Goldstein</b> , HDRB, <i>In vitro</i> corticogenesis as a system for developmental and environmental toxicity screens (Lee Rubin)	<b>Chris Wood</b> , Physics, Planar penning traps (Gerald Gabrielse)	<b>Allen Shih</b> , CPB, Supercharged green fluorescent protein as a drug delivery platform (David Liu)
Monday, 8/9 Room 222 Introducer: Jamie Romine	<b>Susan Seav</b> , MCB, The developmental basis of sexual shape dimorphism in Anole lizards (Arkhat Abzhanov)	<b>Angela Zhang</b> , MCB, Exploring anti-viral memory CD8+ T cell response, (Ulrich von Andrian)	<b>Konlin Shen</b> , Physics, Turning behavior in <i>Drosophila</i> larvae during thermotaxis (Aravinthan Samuel)	<b>Adrian Sanborn</b> , Mathematics, self-Intersection of fractal curves (Erez Aiden)	<b>Chung Yao Yu</b> , CPB, Effect of endosymbionts on the metabolism of short-fat and long-skinny <i>Ridgeia piscesae</i> (Peter R. Girguis)	<b>Sumit Malik</b> , Applied Mathematics, Mathematical equality: erasing poverty with quantitatively optimal corporate governance (Mihir Desai)	<b>Chioma Madubata</b> , MCB, Characterizing the effects of reactive oxygen species on pancreatic cell health (Stuart Schreiber)	<b>Cynthia Tsai</b> , Undecided, Examining human 8-oxoguanine glycosylase I's specificity for 8-oxoguanine lesions (Gregory Verdine)
Monday, 8/9 Room 309 Introducer: Francesca Reindel	<b>Peter Hadar</b> , MCB, Effect of codon choice on protein misfolding in yeast (Allan Drummond)	<b>Peter Freese</b> , Applied Mathematics, Conjugation: the secret life of bacterial promiscuity (Irene Chen)	<b>Ruby Lai</b> , Chemistry/Physics, Spin orbit coupling along carbon nanotube bends (Charles Marcus)	<b>Justin Chew</b> , Neurobiology, Development of an RGC-5 cell model to further the study of RGC development and regeneration (Dongfeng Chen)	<b>Jerry Kung</b> , Applied Mathematics, Reward selection for reinforcement learning agents (David Parkes)	<b>Jimmy Meixiong</b> , MCB, Elucidating the mechanisms of the Guided Entry for TA protein (GET) Pathway (Vlad Denic)	<b>Veda Eswarappa</b> , Biomedical Engineering, Disrupting the expression of immune-response genes via NFAT and Fos (Anjana Rao)	
Monday, 8/9 Room 309A Introducer: Senan Ebrahim	<b>Daniel Kim</b> , CPB, Sensory integration of <i>C. elegans</i> in linearly-distributed chemical and thermal gradients (Aravinthan Samuel)		<b>Marianne Walwema</b> , Chemistry, Studying DNA translocation by SpoIIIE in <i>Bacillus Subtilis</i> (Briana Burton)	<b>Chi Zhang</b> , MCB, Construction and functional characterization of NLR3 mutants (Koichi Kobayashi)	<b>Logan Clark</b> , Chemistry and Physics, Engineering the easy way: electrostatic self-assembly of beads (George Whitesides)	<b>André Pineda</b> , Neurobiology, The role of GEFs in the axon outgrowth signalling pathway (Nina Irwin)	<b>Alicia Smart</b> , MCB, Making liver: Hepatocyte differentiation from embryonic stem cells (Lee Rubin)	<b>Shervin Tabrizi</b> , CPB, Functional significance of naturally selected polymorphisms in the human lineage (Pardis Sabeti)
Monday, 8/9 Room 216 Introducer: James Pelletier	<b>Nina Jain</b> , MCB, Quantifying mistranslation in <i>M. smegmatis</i> (Eric Rubin)	<b>Baltazar Zavala</b> , Engineering /Neurobiology, Calcium imaging of gap junction coupled neurons (Carole Landisman)	<b>Alyssa Botelho</b> , Chemistry, Structural and Biochemical Studies of DNA Lesion Recognition by UvrAB Complex (David Jeruzalmi)	<b>George Huang</b> , Engineering Sciences, Directed differentiation of juxtaposed mineralized tissues (David Mooney)	<b>Xuezhi Dong</b> , MCB, Investigating the clonality of ptc <sup>+/+</sup> and ptc <sup>+/+</sup> ;P53 <sup>-/-</sup> derived medulloblastomas (Laurie Jackson-Grusby)	<b>Sarah Zhang</b> , Neurobiology, Evolution of behavior in <i>Drosophila</i> phototaxis, Ben de Bivort	<b>Jenn Chang</b> , Neurobiology, The split personality of antipsychotic drugs (Barak Caine)	

Tuesday, August 10, 2009

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Tuesday, 8/10 Room 221 Introducer: Denise Xu	<b>Kate Dobos</b> , Neurobiology, Dog days of summer (Marc Hauser)	<b>Lisa Ma</b> , HDRB, Expression of Asb2 in mouse embryos (Ibrahim Domian)	<b>Aaron Deutsch</b> , CPB, The regulation of miR-34a on the Fanconi anemia pathway (Judy Lieberman)	<b>Kayla Berry</b> , CPB, Maintenance of polycomb group proteins on DNA templates during DNA replication (Nicole Francis)	<b>Brandon Silverman</b> , Chemistry, Diversity and your friendly neighborhood molecular probes (Stuart Schreiber)	<b>Matthew Newman</b> , Engineering Sciences, Shock thermodynamics experiments in hydrated minerals (Sarah Stewart)	<b>Tyler Zou</b> , Computer Science, MapReduce and parallel computing (Leslie Valiant)	<b>Ryan Christ</b> , Chemistry/Physics, Taking flight against Alzheimer's: a <i>Drosophila</i> model of Golgi Dysfunction (Mel Feany)
Tuesday, 8/10 Room 222 Introducer: Jamie Romine	<b>Thomas Zhihao Luo</b> , Neurobiology, Brain's packing problem: geometry of the dense organization of neurons (Jeff Lichtman)	<b>Kidus Asfaw</b> , Engineering Sciences, Spray drying, release study of nanoporous and microporous alginate based gels, magnetic gels (David Edwards)	<b>Kelly Holt</b> , Engineering Sciences, Flight performance and predatory fitness in odonates (Stacey Combes)	<b>Serena Bai</b> , Chemistry, Crystal clear: Characterizing surface chemistry and molecular interactions of HCA II (George Whitesides)	<b>Juan Hernandez-Campos</b> , Mechanical Engineering and Materials Science, Nanoporous platinum (Michael Aziz)	<b>Jake Weatherly</b> , Engineering Sciences, Using clinical data to inform medical device design (Radhika Nagpal)	<b>Johanna Lee</b> , Neurobiology, Non-cell autonomous effects of glia with altered levels of SMN on motor neurons (Lee Rubin)	<b>Dan Mark</b> , CPB, Investigating lipocalins as mouse pheromones (Stephen Liberles)
Tuesday, 8/10 Room 309 Introducer: Francesca Reindel	<b>Lester Kim</b> , Physics/Mathematics, Modeling Jupiter's magnetic field (Jeremy Bloxham)	<b>Dan Cahoon</b> , CPB, The effect of conductive minerals on carbon uptake and extracellular electron transfer in deep sea sediment (Peter Girguis)	<b>Timothy Kotin</b> , Engineering Sciences, Distributed neural network algorithms and applications: motion classification using body sensor networks (Matt Welsh)	<b>Xiaomeng Zeng</b> , Economics, Insights of behavioral economics in the public pension system and health sector (David Laibson)	<b>Paula Bu</b> , Comparative Study of Religion, Seasonal energy intake of the Pume Foragers in Venezuela (Nancy Conklin-Brittain)	<b>Lynn Jiang</b> , MCB, Long-range intrachromosomal repair of DNA double strand breaks in different cell types and loci (Frederick Alt)	<b>Lawrence Benjamin</b> , Neurobiology, Characterization of Abeta production in neurons with wild-type APP and APP gene variants linked to Alzheimer's (Tracy Young-Pearse)	<b>Lisa Rotenstein</b> , CPB, Design of polyvinyl alcohol hydrogels for endothelial cell delivery (Debra Auguste)
Tuesday, 8/10 Room 309A Introducer: Senan Ebrahim		<b>Michael Graham</b> , Chemistry, Synthesis of a 1-dimensional molecular wire (Tobias Ritter)	<b>Fiona Wood</b> , Computer Science, Exploring space-dividing networks (Radhika Nagpal)	<b>Sonia Pernia</b> , Engineering Sciences, Bisphosphonate related osteo-necrosis of the jaw (David Mooney)	<b>Sarvagna Patel</b> , CPB, Elucidating the mechanism of the Alzheimer's Disease relevant $\gamma$ -secretase complex: interactions between $\alpha$ - and $\gamma$ -secretase (Dennis Selkoe)	<b>Ricky Fegelman</b> , Neurobiology, Dopamine's role in risky decision-making in mice (Naoshige Uchida)	<b>Amy Zhang</b> , HDRB, Function of MafB in pancreatic reprogramming (Qiao Zhou)	<b>Geon Woo (Nathan) Kim</b> , Neurobiology, Treatment of glioma stem cells with oncolytic herpes simplex virus and $\gamma$ -secretase inhibitors (Robert Martuza)
Tuesday, 8/10 Room 216 Introducer: James Pelletier	<b>Neda Shahriari</b> , HDRB, Zebrafish Drug Screen: Analysis of Kinase Inhibitors on Neural Development (Lee Rubin)	<b>Kevin Fogarty</b> , Physics/Astrophysics, Astronomical X-Ray detection (Josh Grindlay)	<b>Acky Uzosike</b> , MCB, A new experimental paradigm for extending telomere length without tumorigenic genetic recombination (Derrick Rossi)	<b>Eric Shieh</b> , MCB, The role of TRPC6's carboxyl-terminal domain in mediating focal segmental glomerulosclerosis (FSGS) (Johannes Schlöndorff)	<b>Nicholas Pomata</b> , Physics, Hysteresis in overstretching of Ligated Klenow DNA (Mara Prentiss)	<b>Ashok Cutkosky</b> , Mathematics, Classification of semisimple Lie algebras (Joe Harris)	<b>Jane Baldwin</b> , Earth and Planetary Science, Interactions between temperature and precipitation in determining the equilibrium of glaciers (Peter Huybers)	<b>Akansha Tarun</b> , Undecided, Interacting domains of PC-TP/StarD2 and Them2: physiological importance of PC-TP polymorphisms (David E. Cohen)

Wednesday, August 11, 2009

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<p>Wednesday, 8/11 Room 221 Introducer: Denise Xu</p>	<p><b>Lauren Onofrey</b>, MCB, Viral evolution of HIV-1 subtype C (Max Essex)</p>	<p><b>Kevin Chen</b>, Chemistry, The identification of anti-infective, immunomodulatory compounds active against vancomycin-resistant <i>Enterococcus faecalis</i> (Frederick M. Ausubel)</p>	<p><b>Anugraha Raman</b>, HDRB, iGarden: creating personalized genetically engineered hypo-allergenic foods (Alain Viel)</p>	<p><b>Daniel Haldar</b>, Chemistry, Identification of protective metabolic pathways in <i>Pseudomonas aeruginosa</i> via a liquid chromatography-mass spectrometry approach (Alan Saghatelian)</p>	<p><b>Shimwoo Lee</b>, Chemical and Physical Biology, Investigating the effect of sirtuins on Friedreich's ataxia (Marcia Haigis)</p>	<p><b>Ke Xu</b>, Neurobiology, Activity dependent recruitment of Sec5 in <i>Drosophila</i> neuromuscular junction (Thomas Schwarz)</p>	<p><b>Michael Stanley</b>, HDRB, Neurodegeneration: bench and bedside (Ole Isacson &amp; Merit Cudkowicz)</p>	<p><b>Francis Deng</b>, HDRB, Generating pancreatic endocrine lineage-specific human embryonic stem cell reporter lines (Douglas Melton)</p>
<p>Wednesday, 8/11 Room 222 Introducer: Jamie Romine</p>	<p><b>Chris Devine</b>, Neurobiology, Neuron subtype-specific genes: development of subcerebral projection neurons (Jeff Macklis)</p>	<p><b>Nikola Ivica</b>, CPB, Catalyst vs. template (Irene Chen)</p>	<p><b>Johnathan Deward</b>, Physics, iGEM iGarden: Knocking down allergens in <i>Arabidopsis</i> (Alain Viel)</p>	<p><b>Lucia Mocz</b>, Computer Science, Optical flow-based navigation of robot bees (Matt Welsh)</p>	<p><b>Adam Sealon</b>, Math/Computer Science, Approximating entropy of polynomials over finite fields (Salil Vadhan)</p>	<p><b>Isaac Shivers</b>, Astrophysics, A novel system for highly precise ground-based photometry (Chris Stubbs)</p>	<p><b>Phoebe Kuo</b>, MCB, At the interface of blood and muscle: modulating the immune response in muscular dystrophy (Amy Wagers)</p>	<p><b>Joshua Wortzel</b>, Neurobiology, A new microcephaly gene and its effects on brain development (Christopher A. Walsh)</p>
<p>Wednesday, 8/11 Room 309 Introducer: Francesca Reindel</p>	<p><b>Debbie P Lin</b>, History and science, Giant molecular springs awry: characterizing titin missense variants in dilated cardiomyopathy (Christin and Jonathan Seidman)</p>	<p><b>Rachel Hinman</b>, Physics and Math, Muon reconstruction efficiency in the ATLAS experiment (Masahiro Morii)</p>	<p><b>Paul Yarabe</b>, CPB, Potential synergistic effects of p73 activation with poly(ADP-ribose) polymerase inhibition in treating refractory breast cancers (Leif W. Ellisen)</p>	<p><b>Caleb Yeung</b>, MCB, Gene targets in glioblastoma astrocytes with the EGFRvIII STAT3 mutational profile (Azad Bonni)</p>	<p><b>Katerina Mantzavinou</b>, Engineering Sciences, Effect of losartan on tumor Collagen I (Rakesh Jain)</p>	<p><b>Sesheta Mwanza</b>, Microbiology, Isolation of bacteriophages with high affinity for mycobactin using phage display technology (Eric Ruben)</p>	<p><b>Michelle Vhudzjena</b>, Biomedical Engineering, Neuronal differentiation of adult human stem cells on micropillars of varying stiffness (Joanna Aizenberg)</p>	<p><b>Nitish Lakanpal</b>, Physics, Credit networks: Transactive games over directed graphs (David Parkes)</p>
<p>Wednesday, 8/11 Room 309A Introducer: Senan Ebrahim</p>	<p><b>Lauren Carvalho</b>, Neurobiology, From sensory input to behavioral output: decoding the language of the brain (John Maunsell)</p>	<p><b>Ritchell van Dams</b>, Neurobiology, Classification and connectivity of zebrafish retinal cells (John Dowling)</p>	<p><b>Rose Cao</b>, Computer Science, Harmonic radar for detecting and tracking robot bees (Matt Welsh)</p>	<p><b>B.A. Sillah</b>, HDRB, Optogenetics approaches in cardiomyocytes (Kevin Kit Parker)</p>	<p><b>Dmitri Gekhtman</b>, Math/Physics, Wigner crystal melting (Eric Heller)</p>	<p><b>David Orozco</b>, Statistics, RNA processing rates <i>in vivo</i> (Michael Springer)</p>	<p><b>Sway Chen</b>, Chemistry/Physics, Wave propagation in <i>C. elegans</i> locomotion (Aravi Samuel)</p>	
<p>Wednesday, 8/11 Room 216 Introducer: James Pelletier</p>	<p><b>Adrienne Smallwood</b>, MCB, Ube3a dose-dependent regulation of Autism traits (Matt Anderson)</p>	<p><b>Matthew Chartier</b>, Computer Science, Procedural generation and cooperative robotic search of three-dimensional environments (Matt Welsh)</p>	<p><b>Jonathan Wang</b>, Mathematics, The moduli stack of G-bundles on an algebraic curve (Dennis Gaitsgory)</p>	<p><b>Corrine Tu</b>, Astrophysics and Statistics, Blazars: the most violent phenomena in the universe (Aneta Siemiginowska)</p>	<p><b>Matthew Zapf</b>, Social and Cognitive Neuroscience, Ube3a copy number variations: a mouse model of autism and angelman syndrome</p>	<p><b>Shwinn Ricci</b>, Chemistry, Modulating ECM environments to determine effects on muscle stem cell differentiation (Amy Wagers)</p>	<p><b>Afoma Umeano</b>, Biomedical Engineering, On being "big hearted": IPS cell disease modeling for neutral lipid storage disease-M subtype (Sean Wu)</p>	<p><b>Nilesh Tripuraneni</b>, Physics/Math, Anderson localization and nonlinearity in quantum walks (Avi Loeb)</p>