

PRISE 2007 -- FINAL PRESENTATION SCHEDULING MATRIX

PRISE Program Assistant Scheduler	BRANDON ROSS	PETER WANG	JUSTIN KOMISAROF	ROANNA RUIZ
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Date/Location in Science Ctr	3:00pm-3:18pm	3:20pm-3:38pm	3:40pm-3:58pm	4:00pm-4:18pm	4:20pm-4:38pm	4:40pm-5:00pm
Thursday, 8/16 Room 221 Introducer: Brandon Ross	Margaret Arnold, Psychology, Personality Perception in Toddlers, Elizabeth Spelke	Daniel Stolper, EPS, Environmental Proteomics: Developing Novel Protein Extraction Protocols in Order to Investigate the Metabolic Activity of Deep Sea Sedimentary Microbes, Peter Girguis	Nevin Britto, Biomedical Engineering, A Sensitive Proliferative Assay for Measuring Pancreatic A-cell Growth, Dr. Rohit Kulkarni	Shiv Gaglani, Biomedical Engineering, Development of TaqMan Assays for Known Drug Resistance Mutations in Plasmodium falciparum, Dyann Wirth	Kimberly Oo, Chemical and Physical Biology, Investigating the Search Mechanism of Human 8-OxoGuanine Glycosylase 1, Gregory L. Verdine	Sarah Brittan, Chemistry, Electrical properties of nanowires of antimony telluride, a phase change material, Hongkun Park
Thursday, 8/16 Room 222 Introducer: Peter Wang	Denise Ye, Molecular and Cellular Biology, Gfi-1 and Gfi-1b: Molecular Switches in Blood Development, Hanno Hock	Alex Waldron, Math and Physics, Affine Algebraic Varieties and Schemes, Joe Harris	Charlotte Seid, Chemical & Physical Biology, Mutant Studies of the Cyanobacterial Clock, Erin O'Shea	David Bochner, Biology/MBB, Love, War, and Fruit Fly Genetics: The Role of Octopamine in Courtship and Aggression, Edward Kravitz	Jeffrey Blair, Astronomy and Astrophysics, Serial Guiding and the Large Synoptic Survey Telescope, Christopher Stubbs	John Edwards, Molecular and Cellular Biology, Embryonic Stem Cell Derivation and Characterization, Richard Maas
Thursday, 8/16 Room 309 Introducer: Justin Komisarof	Robert Corty, Chemical and Physical Biology, Determination of the Structure of HIV GP41, Stephen Harrison	Emily Fifer, Applied Math, Physics of Sound, Professor Huth	Bryant Bonner, Biology, Molecular Mechanisms Controlling Birth and Development of Corticospinal Motor Neurons, Paola Arlotta	Patti Zadnik, Neurobiology MBB, Protein-Protein Interactions Governing Corticospinal Motor Neuron Specification by Fezf2, Paola Arlotta	Sergio Ramirez, OEB, A New Perspective on Plasmid Supercoiling, Nancy Kleckner	Jannis Brea, Neurobiology, Can You Hear Me Now: Determining Auditory Discrimination in Adult Female Mice, Takao Hensch
Thursday, 8/16 Room 309A Introducer: Roanna Ruiz	Firth McEachern, Earth and Planetary Sciences/Astronomy, Shocking Ice, Sarah Stewart-Mukhopadhyay	Alexander Dubbs, Mathematics, Electoral Districting as a K-Way Equi-Partitioning Problem, Roland Fryer	Cindy Cen, MCB, An Analysis of SID-1 Homolog Function in Xenopus tropicalis During Development, Craig Hunter	Sammy Sambu, Biomedical Sciences and Engineering Cell Surface Engineering, Alain Viel	Tarik Umar, Biomedical Engineering/Economics, Aerosol Delivery of the Tuberculosis Vaccine BCG, David Edwards	Kimberly DeRose, Astronomy & Astrophysics/Physics, Star Formation and Evolution in RCW38 and IRAS 20050+2720, Scott Wolk

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Monday, 8/20 Room 221 Introducer: Brandon Ross	Alice Tzeng , Chemical and Physical Biology, The role of cytochrome b5 in granzyme A-mediated cell death, Judy Lieberman	Alexa Weingarden , Earth and Planetary Sciences and Biology, Microbial Diversity at a Hydrothermal Vent, Peter Girguis	Jason Gao , Electrical Engineering and Computer Science, Piezofilm Contact Detection, Robert Howe	Angelo Mao , Biomedical Engineering, Effects of chemical and biomechanical cues on mesenchymal stem cell differentiation, David J. Mooney	Kipyegon Kitur , Chemistry, Andrimid Biosynthesis and Promiscuity of AdmF, Christopher T. Walsh	Christina Li , Chemical and Physical Biology, Synthesis of a potent and selective inhibitor for the Ser/Thr kinase b-raf, Nathanael Gray
Monday, 8/20 Room 222 Introducer: Peter Wang	Shira Mitchell , Mathematics, Complexity of Hardness Amplification, Salil Vadhan	Penny Fang , Neurobiology, Alzheimer's Disease: The Story Told by Stem Cell Modeling, Kevin Eggan	Mark Terrelonge , Neurobiology, Effect of Scent Concentration on Neural Representation in the Anterior Piriform Cortex of the Rat, Naoshige Uchida	Stephanie Lo , MCB, Cling-E. coli, Alain Viel	Andrea Peterson , Physics, Shock Properties of Ice, Or: How I Learned to Stop Worrying and Love the Gun, Sarah Stewart-Mukhopadhyay	Ted Pak , Biochemical Sciences, Variability in an Artificial Tandem Repeat, Kevin J. Verstrepen
Monday, 8/20 Room 309 Introducer: Justin Komisarof	Ugochi Nwosu , Undecided, Evaluating the role of DEAD Box Helicases in P.falciparum gene regulation, Dyann Wirth	Dana Lazarus , Engineering Sciences, Growing manganese oxidizers from field sites on Cape Cod, Colleen Hansel	Peter Kim , Undeclared, The role of hedgehog signaling during hematopoietic differentiation from mouse embryonic stem cells, George Q. Daley	Chelsea Gordon , Chemistry, Synthesis of Novel Tetracycline Analogs, Andrew G. Myers	Jenny Wang , Chemical and Physical Biology, Chromosome Movement During the E.coli Cell Cycle, Nancy Kleckner	Kyle Foreman , Psychology MBB, Primate Reciprocity: Sense of Fairness and Action-Omission Distinction, Marc Hauser
Monday, 8/20 Room 309A Introducer: Roanna Ruiz	Ivan Kotchetkov , Neurobiology, Anatomic Development of Corticostriatal Projection Neurons, Jeffrey D. Macklis	Jackie Hsieh , Neurobiology, The Role of miRNA in SIRT1 Gene Expression, Michael Greenberg	Alejandra Beristain-Barajas , Neurobiology, Calmodulin's Calcium Dependency Upon Binding to TrpV1-Ankyrin Repeat Domain, Rachele Gaudet	Jennings Xu , Biology/MBB, Sexual Dimorphic Behavior and Ultrasonic Vocalizations in Mice as Regulated by Pheromone Input, Catherine Dulac	Christopher Lim , Undecided, Processing of Artificial Grammars in Humans and Cotton-Top Tamarins, Marc Hauser	Maxwell Parsons , Physics, Ablation Studies of EIT-friendly Atoms, John Doyle
Monday, 8/20 Room 310 Introducer: Laura Hunter	Phillip Roebuck , Anthropology, Salivary testosterone levels during ultimate frisbee tournaments: Parallels to repeated dominance contests, Peter Ellison	Julia Ye , Molecular and Cellular Biology, Target genes of MeCP2 in Rett Syndrome, Jeffrey D. Macklis	Matthew Tierney , Computer Science, CitySense: An Urban-Scale Wireless Networking Testbed, Matt Welsh	Stefan J. Wernli , Computer Science and Physics, Control and Analysis Programs for Scanning Tunneling Microscopy, J. E. Hoffman	Zachary Travis , Chemistry and Physics, Synthesis of Pyrone Derivatives as Ligands For Fe Catalysis, Tobias Ritter	John Passanese , Neurobiology, Immunomodulatory Effects of Copolymer Treatment on Microglia: T-cell Interactions, Jack L. Strominger

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Tuesday, 8/21 Room 221 Introducer: Brandon Ross	Arjun Manrai , Physics, Genome-wide Analysis of Protein-DNA Interactions in <i>C. elegans</i> , Xiaole Shirley Liu	Kyle Basques , Biochemistry, The locality of MAPK response in HeLa cells, Jeremy Gunawardena	Serene Chen , Biochemical Sciences, Visualizing the development of synaptic basket structure in the mouse submandibular ganglion, Jeff Lichtman	Minjae Kim , Engineering Science, Making a Crawling Bug Robot, Robert Wood	Jackie Havens , Music, Interactions Between Human Cytomegalovirus UL44 and DNA, Don Coen	Yun-Ke Chin-Lee , Undeclared, Aggregation Reversals and the Social Formation of Beliefs, Edward Glaeser
Tuesday, 8/21 Room 222 Introducer: Peter Wang	Lauren Gibilisco , Biology, The Biomechanics of Pectoral Fins of Bluegill Sunfish During Maneuvers, George Lauder	Andy Chang , Chemistry and Physics, Redox-Active Ligands in Low-Valent Iron Catalysis, Tobias Ritter	Jennifer Lo , Molecular and Cellular Biology, NMR Mapping of Reverse Transcription, Victoria D'Souza	Raymond Jean , Biomedical Engineering, Effect of Surface Interaction in the Growth of Carbon Nanotubes, Jene Golovchenko	Rachel Moore , Biology, Epigenetic Control of Variant Surface Antigens in the Malaria Parasite <i>P. falciparum</i> , Manoj Duraisingh	Dmitry Taubinksky , Mathematics, Decision Making, Reaction Time, and Intertemporal Choice, David Laibson
Tuesday, 8/21 Room 309 Introducer: Justin Komisarof	Melissa Tjota , Biochemical Sciences, Tissue Specific Antigen (TSA) Expression and Presentation in Mesenchymal Stem Cells (MSCs), Shannon J. Turley	Jessica Shang , Engineering Sciences, Development of a four-winged microrobotic flying insect, Robert Wood	Shuyu Wang , Chemistry, Capturing AlkA in Action: X-ray Crystallography of a DNA Repair Glycosylase, Gregory L. Verdine	Larissa de Lima , Computer Science, Modelling the Purkinje Cell, Haim Sompolskiy	Gordon Powers , MCB, Small Molecule Secretion from a Soil Isolate May Result in Competent <i>Bacillus subtilis</i> cells, Prof. Roberto Kolter	Ching Zhu , Biochemical Sciences, Probing Calmodulin-Proteasome Interaction in Yeast, Daniel Finley
Tuesday, 8/21 Room 309A Introducer: Roanna Ruiz	Samuel Bjork , Chemical and Physical Biology, Engineering of <i>Clostridium phytofermentans</i> for Fuel Ethanol Production, George Church	Alan Chou , Chemical and Physical Biology, Analysis of Novel Putative Markers for Lung Stem Cells, Carla Kim	Daniel Litt , Mathematics, Persuasion Games in Social Networks, John Patty	Gina He , Molecular and Cellular Biology, Localization of ClpCP in <i>Bacillus subtilis</i> , Richard Losick	Hannah Chung , CPB, Distribution of Fitness Effects of Deleterious Mutations, Andrew Murray	Rosen Kralev , Mathematics, Optimality of Scalar Solutions and Binary Alphabet in Low-intensity Unicast Networks, Lauren Williams/Ken Zeger (UCSD)
Tuesday, 8/21 Room 310 Introducer: Laura Hunter	Amy Chen , Biochemistry, Identification of TopBP1 Domains Required for DNA Replication Initiation, Matthew Michael	Gabriella Tantillo , Biochemical Sciences, Construction of Yeast-HIV-delta integrase Vector, Daniel Kuritzkes	Caitlin Rotman , Earth and Planetary Science, Gakkel Mid-Ocean Ridge Petrology, Charles Langmuir	Victoria Clark , Biochemical Sciences, Alternative Splicing in Retinal Development, Connie Cepko	Rishi Gupta , Math, Building a Lego Robot Swarm, Radhika Nagpal	George Vidal , Neurobiology, PirB in Synaptic Plasticity, Carla Shatz

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Wednesday, 8/22 Room 221 Introducer: Brandon Ross	Maria Ellen DeObaldia , Biology, Interactions between Vascular Cells during <i>in vivo</i> Vasculogenesis, Joyce Bischoff	Lela Sims , Biology, The Origins of Cooperation, Christopher Marx	Abi Orisamolu , Biochemical Sciences, Phagosome-lysosome fusion: Investigation of Factors that Control Lysosomal Targeting, Axel Nohturfft	Cindy Wang , Undecided, Developing Targeted Transgenic Zebrafish, Alexander Schier	Sarah Harland-Logan , Undecided, A Rapid Entry Assay for Ebola Zaire, James Cunningham	Caitlin Lewarch , Human Evolutionary Biology, Testosterone, Aging, and Seasonality in the Toba of Northern Argentina, Peter Ellison
Wednesday, 8/22 Room 222 Introducer: Peter Wang	Liliana Gomez-Mendez , Biology, Malpighiaceae: Colonizers of the Old World, Charles Davis	Warakorn Kulalert , Molecular and Cellular Biology, The Role of Inositol Phosphates in the mTOR Signaling Pathway, John Blenis	Elizabeth Cook , Undeclared, Mass MA Housing, Edward Glaeser	Timothy Schmidt , Chemical and Physical Biology, The Test Tube Clock: What Makes It Tick?, Erin O'Shea	Peter Wang , Biology, Identifying Novel Genes Involved in Sensation and Pain, Alex Schier	Divya Jayarman , Biochemical Sciences, The role of XTopBP1 in the DNA Damage Response in <i>Xenopus laevis</i> Oocyte Extracts, Matthew Michael
Wednesday, 8/22 Room 309 Introducer: Justin Komisarof	David Lou , Chemistry and Math, Markov Chain Growth in Drug Discover, Eugene Shakhnovich	Nathan Leiby , Psychology, Language Related Computations in Cotton-top Tamarins, Marc Hauser	Christopher Chen , CPB, Studying Novel Antibiotic Drug Targets: Characterization of <i>Escherichia coli</i> N-acetylmuramoyl-L-alanine Amidases, Dan Kahne	Michelle Jung , Biochemical Sciences, Understanding the Role of LKB1 in Murine Skeletal Muscle, Laurie J. Goodyear	Caroline Silva , Psychology, Perceived Deliberate Self-Harm and Empathy Blocking: Goal-Appreciation vs. Disgust, Daniel M. Wegner	Lachezar Nikolov , Biochemical Sciences, Isolation and Characterization of Small Noncoding RNAs under Sporulation Control in <i>Bacillus subtilis</i> , Richard Losick
Wednesday, 8/22 Room 309A Introducer: Laura Hunter		Jonathan Mayer , HEB, Fat Formation and Parkinson's Disease: Two Separate but Cool Subjects, Chad Cowan	Luca Candelori , Mathematics, Mathematics in Communications Security, Samit Dasgupta	Erika Geihe , Chemistry, Progress Towards the Synthesis of Novel Proteasome Inhibitors Utilizing an Unusual Intramolecular Allyl Transfer Reaction, Eric Jacobsen	Amy Tao , CPB, Genetic variation in the MAL network of <i>S. cerevisiae</i> , Kevin Verstrepen	Vi Vu ,
Wednesday, 8/22 Room 310 Introducer: Roanna Ruiz	Roanna Ruiz , Bioengineering, Eric Mazur, Femtosecond Laser Nanosurgery of <i>C. Elegans</i> Neurons, Eric Mazur	Brandon Geller , Biochemistry, Molecular Phylogenies and Evolution of Pheromone Production in the Beetle Family Cerambycidae, Brian D. Farrell	Adam Sang , Biochemical Sciences, Primordial Germ Cells Require Insulin-like Growth Factor Signaling for Proper Migration, Tony Wood	Cesar Lopez , Chemical and Physical Biology, Evaluation of Dried Blood Spot Specimens for Early Diagnosis and Quantitative Monitoring of Simian Immunodeficiency Virus Infection in Rhesus Macaques, Norman Letvin		Jennifer DeCoste , Biology, Effects of Low Birth Weight on Brown Adipose Tissue Gene Expression, Mary Elizabeth Patti