

Posters

Jeffrey R. Begley¹ & Michael A. Arbib^{1,2}: “Modeling Salamander Vision and Locomotion Interaction” 1. Computer Science; 2. Neuroscience Graduate Program

Gerald Sun¹, Susana T.L. Chung⁵, & Bosco S. Tjan^{2,3,4}: “Mechanisms of Crowding and Learning to “Uncrowd” 1. Biology; 2. Neuroscience Graduate Program; 3. Psychology; 4. T-lab; 5. Univ. of Houston, College of Optometry

Luis Andres Lesmes¹, Zhong-lin Lu^{2,3,4}, Jongsoo Baek^{2,3}, & Thomas Albright¹: “Efficient Adaptive Measurement and Classification of Contrast Sensitivity Functions” 1. Vision Center Laboratory, Salk Institute for Biological Studies; 2. Laboratory of Brain Processes (LOBES); 3. Psychology; 4. Neuroscience Graduate Program

Leallyn Murtagh¹, Brandon Wong³, Jessica Gonzales^{4,5}, & Bosco S. Tjan^{2,4,6}: “Spatial Summation in Visual Noise and Natural Scene” 1. Biomedical Engineering; 2. Neuroscience Graduate Program; 3. Biological Sciences; 4. Psychology; 5. Theatre; 6. T-lab

Allison Zumberge², Jennifer Lynn Bruno¹, Frank Manis^{1,2}, Zhong-lin Lu^{1,2,3} & Jason Goldman¹: “fMRI Activation Patterns Predict Reading Ability in Adults With and Without Developmental Dyslexia” 1. Psychology; 2. Neuroscience Graduate Program; 3. Laboratory of Brain Processes (LOBES)

W. Mao¹, K. Miyagishima², H. Moaven¹, A. Sampath², & J. Chen³: “Distinct Isoforms of Transducin-Alpha Subunits Contribute to the Different Light Sensitivities in Rods and Cones” 1. Zilkha Neurogenic Institute, Dept. of Neuroscience, KSoM; 2. Zilkha Neurogenic Institute, Dept. of Physiology & Biophysics, KSoM; 3. Zilkha Neurogenic Institute, Dept. of Cell & Neurobiology, KSoM

Susmita Chatterjee^{1,4}, David Merwine² & Norberto Grzywacz^{1,3,4}: “Low Contrast Synchrony in Retinal Ganglion Cells” 1. Biomedical Engineering; 2. Univ. of Pittsburg, Bradford; 3. Neuroscience Graduate Program; 4. Center for Vision Science and Technology

Eun-Jin Lee^{1,3}, Gerald Sun⁴, Biju Thomas⁵, Aditi Ray¹, James Weiland¹ & Norberto Grzywacz^{1,2,3}: “Expression of Melanopsin-Containing Ganglion Cells in Degenerative Retina” 1. Biomedical Engineering; 2. Neuroscience Graduate Program; 3. Center for Vision Science and Technology; 4. Biology; 5. Doheny Eye Institute

Anirvan S. Nandy¹ & Bosco S. Tjan^{1,2,3}: “The Origin of Visual Crowding Zones” 1. Psychology; 2. Neuroscience Graduate Program; 3. T-lab

Chaithanya Ramachandra² & Bartlett Mel^{1,2}: “Divisive Normalization for Cue Combination” 1. Neuroscience Graduate Program; 2. Biomedical Engineering

Corina Shtir^{2,7}, Heather Volk^{2,7}, Paul Marjoram², Tim Triche^{3,5,6}, David Hinton^{1,3,4} & Rohit Varma^{1,2,7}: “Identification of Novel Genes for Early Age-Related Macular Degeneration: Genome-Wide Association Results from the Los Angeles Latino Eye Study” 1. Dept. of Ophthalmology, KSoM; 2. Dept. of Preventive Medicine, KSoM; 3. Dept. of Pathology, KSoM; 4. Dept. of Neurosurgery, KSoM; 5. Dept. of Cancer Biology, KSoM; 6. Dept. of Pediatrics, KSoM; 7. Doheny Eye Institute, KSoM

Jiajuan Liu², Zhong-lin Lu^{1,2} & Barbara Doshier³: “Augmented Hebbian Learning Hypothesis in Perceptual Learning: Interaction Between Feedback and Training Accuracy” 1. Psychology; 2. Neuroscience Graduate Program; 3. Univ. of California, Irvine; 4. Laboratory of Brain Processes (LOBES)

Xin Wang¹, Judith A. Hirsch¹, & Friedrich T. Sommer²: “Identification of Retinal and Extraretinal Contributions to the LGN by a Phenomenological Model of Retinogeniculate Transformation” 1. Neuroscience Graduate Program; 2. Univ. of California, Berkeley

Pinglei Bao¹, Xiaomin Yue⁴, & Bosco S. Tjan^{1,2,3}: “BOLD Signal Response Functions for Object and Face Processing in Noise” 1. Neuroscience Graduate Program; 2. Psychology; 3. T-lab; 4. NMR Athinoula A. Martinos Center, Massachusetts General Hospital, Harvard Medical School

Jun Kwan Lee¹ & Norberto M. Grzywacz^{1,2,3}: “Failure of Decomposition and Expansion/Rotation in Optic-Flow Perception” 1. Biomedical Engineering; 2. Neuroscience Graduate Program; 3. Center for Vision Science and Technology

L.H. Chan¹, E.J. Lee^{1,2}, A. Ray¹, A. M. Humayun¹, & J. Weiland¹: “Correlation of Morphological and Electrophysiological Changes in Degenerate Retina” 1. Biomedical Engineering; 2. Center for Vision Science and Technology

Glenn R. Fox^{1,2} & Bosco S. Tjan^{1,3,4} “High Resolution Retinotopy: What is Gained by Reducing Voxel Size?” 1. Neuroscience Graduate Program; 2. Brain and Creativity Institute; 3. Psychology; 4. T-lab

Xiwu Cao^{1,4}, David Merwine² & Norberto Grzywacz^{1,3,4} “Asymmetric Responses of Retinal Ganglion Cells to Onset and Offset of Natural Images” 1. Biomedical Engineering; 2. Univ. of Pittsburg, Bradford; 3. Neuroscience Graduate Program; 4. Center for Vision Science and Technology

Joaquin Rapela¹, Jon Touryan², Gidon Felsen³, Jerry M. Mendel¹, & Norberto M. Grzywacz^{4,5,6}: “What do Complex Cells Look for in Natural Scenes: Results from a Novel Algorithm for the Estimation of Excitatory and Inhibitory Relevant Dimensions from Natural Data” 1. Electrical Engineering; 2. Yale; 3. Cold Spring Harbor Laboratories; 4. Biomedical Engineering; 5. Neuroscience Graduate Program; 6. Center for Vision Science and Technology