

## Posters

Kevin A. Archie<sup>1</sup> & Bartlett W. Mel<sup>1,2</sup>: "Intradendritic computation of visual stimulus competition and attentional biasing." 1 NGP; 2 BME.

José F. Barraza<sup>1</sup> & Norberto M. Grzywacz<sup>1,2</sup>: "Fine discrimination of angular velocity despite poor localization of center of rotation." 1 BME; NGP.

Javier Bautista<sup>1</sup> & Michael A. Arbib<sup>1,2</sup>: "Parallel detection of visual patterns based on top-down expectations." 1 Comp. Sci.; 2 NGP.

Jeff Begley<sup>1</sup>, Auke Ijspeert<sup>1</sup> & Michael Arbib<sup>1,2</sup>: "A neuromechanical simulation of salamander visuomotor coordination." 1 Comp. Sci.; 2 NGP.

Wilson Chu<sup>1</sup>, Zhong-Lin Lu<sup>1,2</sup> & Barbara A. Doshier<sup>3</sup>: "perceptual learning of motion direction discrimination in fovea reflects a mixed but separable mechanisms of stimulus enhancement and template retuning." 1 Psych.; 2 NGP; 3 UC Irvine

Ernest Greene<sup>1,2</sup> & William Frawley<sup>3</sup>: "Do spherical coordinates provide the substrate for a mental protractor?" 1 Psych.; 2 NGP; 3 University of Texas.

David Hinton<sup>1</sup>: "Overexpression of hepatocyte growth factor (HGF) in the retinal pigment epithelium induces subretinal membrane formation and chronic retinal detachment." 1 Pathol.

Yunsong Huang<sup>1</sup> & Keith Jenkins<sup>1</sup>: "The learning and lateral interaction of feature detectors under the framework of generative probabilistic model." 1 EE.

Luis Andres Lesmes<sup>1</sup>, Zhong-Lin Lu<sup>1,2</sup> & Barbara A. Doshier<sup>3</sup>: "Full time-course of visual/auditory central/peripheral cuing of visual spatial attention: AP > VP=VC > AC." 1 Psych.; 2 NGP; 3 UC Irvine.

Zhong-Lin Lu<sup>1,2</sup>: "Using external noise methods to isolate mechanisms of attention/perceptual learning." 1 Psych.; 2 NGP.

David K. Merwine<sup>1</sup> & Norberto M. Grzywacz<sup>1,2</sup>: "Retinal development depends on a sensory-dependent mechanism." 1 BME; 2 NGP.

Nathan Mundhenk<sup>1</sup> & Laurent Itti<sup>1,2</sup>: "CINNIC, a new computational algorithm for the modeling of early visual contour integration in humans." 1 Comp. Sci.; 2 NGP.

Vidhya Navalpakkam<sup>1</sup> & Laurent Itti<sup>1,2</sup>: "Towards modelling the influence of task on visual attention." 1 Comp. Sci.; 2 NGP.

Marissa Nederhouser<sup>1</sup>, Michael C. Mangini<sup>1</sup> & Irving Biederman<sup>1,2</sup>: “The matching of smooth, blobby objects--but not faces--is invariant to differences in contrast polarity for both naïve and expert subjects.” 1 Psych.; 2 NGP.

Mircea Nicolescu<sup>1</sup> & Gérard Medioni<sup>1</sup>: “Perceptual Grouping from Motion Cues Using Tensor Voting in 4-D.” 1 Comp. Sci.

Eric Ortega<sup>1</sup> & Bartlett Mel<sup>1,2</sup>: “A bayesian approach to color constancy.” 1 BME; 2 NGP.

Anne Sperling<sup>1</sup>, Frank Manis<sup>2</sup> & Zhong-Lin Lu<sup>1,2</sup>: “An evaluation of selective magnocellular deficits in dyslexia.” 1 NGP; 2 Psych.

Dinesh Verma<sup>1</sup>, Witaya Sungkarat<sup>1</sup> & Manbir Singh<sup>1,2</sup>: “Familiar vs. unfamiliar face recognition - a pilot study using fMRI.” 1 BME; 2 Radiology.

Edward A. Vessel<sup>1</sup> & Irving Biederman<sup>1,2</sup>: “An fMRI Investigation of preference habituation.” 1 NGP; 2 Psych.

James Weiland<sup>1</sup>: “Electrically elicited response from isolated retina.” 1 Ophthalmol.

Jeff Wurfel<sup>1</sup>, José F. Barraza<sup>1</sup> & Norberto M. Grzywacz<sup>1,2</sup>: “Discrimination of rates of expansion from optic flows.” 1 BME; 2 NGP.

Chunhong Zhou<sup>1</sup> & Bartlett Mel<sup>1,2</sup>: “Combination of multiple cues for contour integration in complex scenes.” 1 BME; 2 NGP.

Junmei Zhu<sup>1</sup> & Christoph von der Malsburg<sup>1,2</sup>: “Learning control units for invariant recognition.” 1 Comp Sci., 2 NGP.