

Temporal Dynamics of Learning Center
University of California, San Diego
June 19, 2014

1. **Plasticity of gamma oscillations in barrel cortex following sensory deprivation.** Samat Moldakarimov, Monika Jadi, Terrence Sejnowski. Presented by Samat Moldakarimov, *SMN*.
2. **Theta and beta oscillatory dynamics in the dentate gyrus of the hippocampus in the formation of cue-outcome associations.** Laleh Quinn, Lara Rangel, Andrea Chiba. Presented by Lara Rangel, *IMS*.
3. **Fast modulation of visual perception by basal forebrain cholinergic neurons.** Lucas Pinto, Michael Goard, Daniel Estandian, Min Xu, Alex Kwan, Seung-Hee Lee, Thomas Harrison, Guoping Feng, Yang Dan. Presented by Lucas Pinto, *SMN*.
4. **Toward A Computational Model of Dopamine-Modulated STDP at the Corticostriatal Synapse.** David Peterson, Carolyn Lacey, Terry Sejnowski. Presented by David Peterson, *SMN*.
5. **Delay differential analysis of time series data.** Claudia Lainscsek, Jonathan Weyhenmeyer, Manual Hernandez, Howard Poizner, Terry Sejnowski. Presented by Claudia Lainscsek, *SMN*.
6. **Spatial maps in the human brain during exploration.** Joseph Snider, Eric Halgren, Howard Poizner. Presented by Joseph Snider, *SMN*.
7. **Using Single-trial EEG to Predict and Analyze Subsequent Memory.** Eunho Noh, Grit Herzmans, Tim Curran, and Virginia R. de Sa. Presented by Virginia de Sa.
8. **Early gamma oscillations during rapid auditory processing in children with a language-learning impairment: Changes in neural mass activity after training.** Sabine Heim, Andreas Keil, Naseem Choudhury, Jennifer Friedman, April Benasich. Presented by April Benasich, *SMN*.
9. **Individual differences on phonological and inhibitory tasks associated with distinct cortical surface areas phenotypes.** Lauren Curley, Erik Newman, Tim Brown, Kathrine Madsen, Marybel Gonzalez, Anders Dale, Terry Jernigan. Presented by Lauren Curley, *SIN*.
10. **Further evidence that anatomical differences in intrinsic connectivity may drive hemispheric asymmetries.** Ben Cipollini, Garrison Cottrell. Presented by Ben Cipollini, *PEN*.
11. **Modeling the Moderation of Experience in Face and Object Recognition.** Panqu Wang, Benjamin Cipollini, Akinyinka Omigbodun, Isabel Gauthier, Garrison Cottrell. Presented by Benjamin Cipollini, *PEN*.
12. **The role of spatial frequencies in expert object recognition.** Simen Hagen, Quoc Vuong, Lisa Scott, Tim Curran, Jim Tanaka. Presented by Simen Hagen, *PEN*.
13. **Holistic processing depends on attention to diagnostic parts.** Kao-Wei Chua, Jennifer Richler, Isabel Gauthier. Presented by Kao-Wei Chua, *PEN*.
14. **Conceptual recurrence plotting: recent developments and future directions.** Lydia Byrne, Daniel Angus, Andrew Smith, Janet Wiles. Presented by Lydia Byrne, *IMS*.
15. **Learning Styles: Are they out of fashion?** Beth Rogowsky, Barbara Calhoun, Paula Tallal. Presented by Beth Rogowsky, *SMN*.



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16. ***Role of neural correlations in coding with large neuronal pools.*** Victor Minces, Andrea Chiba. Presented by Victor Minces, *IMS*.
17. ***Symbiosis between academia and high schools.*** Victor Minces, Alex Khalil, Parag Chowdhury, Tom Urbach, Marta Kutas, Andrea Chiba. Presented by Victor Minces and Alex Khalil, *IMS*.
18. ***Joining Educators and Scientists: A Symbiotic Relationship.*** Doris Alvarez. Presented by Doris Alvarez, *TEN*.
19. ***RUBI, a Social Robot for Early Childhood Education.*** Mohsen Malmir, Deborah Forster, Javier Movellan. Presented by Deborah Forster, *SIN*.
20. ***TDLC's Music and the Brain Initiative.***