

Temporal Dynamics of Learning Center
NSF Site Visit
June 20, 2013
Meeting Rooms on Fifteen, The Village, UC San Diego
POSTER/DEMO LIST

1. ***Theta and Beta Oscillatory Dynamics in the Dentate Gyrus of the Hippocampus During Associative Learning***, L. K. Quinn, L. M. Rangel, D. Sullivan, G. Buzsáki, and A. A. Chiba. Presented by Laleh Quinn. Initiative 2.
2. ***Plasticity of cortical inhibition and gamma oscillations by sensory experience***, Brian R. Isett, Yu R. Shao, Toshio Miyashita, Jason Chung, Olivia Pourzia, and Daniel E. Feldman. Presented by Brian R. Isett. Initiative 2.
3. ***Spontaneous brain oscillations in 4- and 7-month old infants***, Sue Peters, Gabriella Musacchia, Silvia Ortiz-Mantilla, Naseem Choudhury, and April A. Benasich. Presented by Sue Peters. Initiative 2.
4. ***Brain dynamics comparison between infants and adults during perception of native versus non-native consonant-vowel contrasts***, Silvia Ortiz-Mantilla, Jarmo A. Hämäläinen, and April A. Benasich. Presented by Silvia Ortiz-Mantilla. Initiative 2.
5. ***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 T. Friedman, and April A. Benasich. Presented by April A. Benasich and Silvia Ortiz-Mantilla. Initiative 2.
6. ***SCCN Child Head Modeling Project for Developmental EEG Studies***, Zeynep Akalin Acar and Scott Makeig. Presented by Zeynep Akalin Acar. Initiative 2.
7. ***Do Humans Have Independent Cerebral Hemispheres? My Left Hemisphere Says "Yes!"...but He's Lying***, Ben Cipollini and Garrison Cottrell. Presented by Ben Cipollini. Initiative 2.
8. ***aMEG Studies of the Temporal Dynamics of Auditory Processing***, Matthew Erhart, Paula Tallal, Beth Rogowsky, Terry Jernigan, Erik Newman, and Timothy Brown. Presented by Matthew Erhart. Initiative 2.
9. ***Computer-Based Cognitive Skills Training Improves College Students' Attention***, Beth Rogowsky, Pericles Papamichalis, Sabine Heim, Laura Villa, and Paula Tallal. Presented by Beth Rogowsky. Initiative 1.

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10. ***Symbiosis Between Academia and High Schools***, Victor H. Minces, Alexander Khalil, Parag Chowdhury, Tom Urbach, Marta Kutas, and Andrea Chiba. Presented by Alexander Khalil. Initiative 3.
11. ***Correlations teased apart***, Victor H. Minces, Lucas Pinto, Yang Dan, and Andrea Chiba. Presented by Victor Minces. Initiatives 1 & 2.
12. ***Using Single-trial EEG to Predict and Analyze Subsequent Memory***, Eunho Noh, Grit Herzmann, Tim Curran, and Virginia R. de Sa. Presented by Virginia de Sa. Initiative 2.
13. ***Inferring Student Knowledge States***, Robert Lindsey and Michael Mozer. Presented by Robert Lindsey. Initiative 4.
14. ***Joining Educators and Scientists in Real Time: The Educator Network***, Doris Alvarez. Presented by Doris Alvarez. Initiative 4.
15. ***Toward a calcium-based account of dopamine-dependent corticostriatal STDP***, David A. Peterson and Terrence J. Sejnowski. Presented by David Peterson. Initiative 2.
16. ***Non-Linear Dynamical Analysis of Human EEG During Reaching for and Grasping Virtual Objects***, Claudia Lainscsek, Manuel E. Hernandez, Jonathan Weyhenmeyer, Terrence Sejnowski, and Howard Poizner. Presented by Claudia Lainscsek. Initiative 2.
17. ***Older but wiser? Rat search performance on hidden target task improves with age***, L. Chukoskie, D. Somarriba, A. Ezeume, L. Schuster, C. K. Lam, J. Snider, M. C. Mozer, T. J. Sejnowski, and A. A. Chiba. Presented by Leanne Chukoskie. Initiative 3.
18. ***Continuous Time Infomax Models of Oculomotor Control***, Walter A. Talbott, He Crane Huang, and Javier Movellan. Presented by Walter Talbott. Initiative 3.
19. ***Computational Modeling of Depressive Disorder: An Optimal Control Approach***, He Crane Huang, Katia Harle, Martin Paulus, and Javier Movellan. Presented by He Crane Huang. Initiative 3.

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20. ***Emotion Mirror: A novel intervention for children with autism based on real-time facial expression recognition***, David Deriso, Joshua Susskind, Lauren Krieger, Piotr Winkielman, James Tanaka, John Herrington, Robert Schultz, and Marian Bartlett. Presented by Marian Bartlett. Initiative 3.
21. ***Patterns of Teacher-Student Speech During One-on-one Tutoring Sessions***, Karmen Dykstra, Deborah Forster, Linda Salamanca, Amber Carini, Monique Lee, Jacob Whitehill, Judy Reilly, Marian Bartlett, and Gwen Littlewort. Presented by Karmen Dykstra. Initiative 3.
22. ***RUBI 5 Update: Faces and Objects in Robot-Child Interactions***, Mohsen Malmir, Sarah D'Angelo, Daniel Johnson, Razi Alon, Deborah Forster, Morana Alac, and Javier Movellan. Presented by Mohsen Malmir and Deborah Forster. Initiatives 1 & 4.
23. ***Recognizing Sights, Smells, and Sounds with Gnostic Fields***, Christopher Kanan. Presented by Christopher Kanan. Initiative 3.
24. ***A model of 'submergence': downloading information into the microworld***, Anthony Bell. Presented by Anthony Bell. Initiatives 1 & 2.