

UPDATE:

Title: *Developing Database and Analysis Software for Electrophysiology: Design, Application, and Visualization*

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Tentative Schedule:

9:00 *Projects for community resource sharing*

9:10 Pdraig Gleeson Using NeuroML and neuroConstruct to build neuronal network models for multiple simulators.

9:40 Tom Morse NeuronDB and ModelDB: accessing, validating and reusing published results.

10:10 coffee break

10:40 *Special analysis methods*

10:50 William W. Lytton Data mining algorithms in spike-wave detection and seizure classification.

11:20 Jean-Marc Fellous Discovering spatio-temporal spike patterns in multi-trial and multi-unit recordings.

11:50 discussion session

12:20 lunch

1:30 *Community software projects*

1:40 Peter Andrews Chronux open source Matlab platform for neural signal processing.

2:10 Cengiz Gunay Neural database analysis with Pandora's Toolbox in Matlab.

2:40 Horatiu Voicu Time saving technique for developing and maintaining user interfaces by sending messages.

3:10 coffee break

3:40 *Parameter space search methods*

3:50 Adam Taylor Mapping from model neuron parameters to functional output.

4:20 Gloster Aaron The search for organization in the activity of neuronal networks.

4:50 discussion session

5:20 end

See http://www.biology.emory.edu/research/Prinz/Tomasz/cns_workshop/ for updates.