

INVITATION

This is an **invitation and call for abstracts** for the **4TH INTERNATIONAL MEETING ON EPILEPSY RESEARCH** organized by the Center for Integrative Neuroscience and Neuroengineering Research (CINNR) and the Intellectual and Developmental Disabilities Research Center (IDDRC), from noon Thursday May 19 – Saturday May 21, 2011 in Chicago.

The meeting will be held in the Gwen and Jules Knapp Center for Biomedical Discovery (KCBD), the Lobby and Lecture Hall 1103, 900 E. 57th Street and will include speakers that are specialized in different areas of epilepsy research from the United States and Europe.

A primary goal of this meeting is to aid cross-fertilization between disciplines. To facilitate this, the first part of the symposium will provide a foundation of **basic tutorials** on research technologies for the non-specialist. Each tutorial will focus on a specific tool or research area. They will begin by covering the basics and then proceed to applications in epilepsy research, including potential advantages and pitfalls. The second half of the symposium will contain talks describing **state-of-the-art** research in each area.

The **PROGRAM** will include the following topics and speakers.

Thursday May 19: TUTORIALS: Wim van Drongelen, Marc Benayoun, David Mogul, Jason McLean, Michael Kohrman.

Friday May 20: MODELING & ENGINEERING: Jack Cowan, Stephan van Gils, Theoden Netoff, Leon D. Iasemidis. **IMAGING:** Doug Coulter, Andrew Trevelyan.

Saturday May 21: CLINICAL AND FUNDAMENTAL ASPECTS OF NEOCORTICAL EPILEPSY: John Ebersole, Joyce Y. Wu, Charles Marcuccilli, Andrew Trevelyan.

Further details will be soon available <http://iit.edu/~cinn/events.html>

If you wish to **present a poster**, we ask you to submit an abstract; guidelines for submission can be found below. We will emphasize the following topics in the context of epilepsy research:

Modeling and Engineering Aspects of Epilepsy research
Imaging of Epileptiform Activity at the Cellular and Network Levels
Clinical and Fundamental Research of Neocortical Epilepsy

However, submissions outside of these topics are invited as well.

Previous meetings were well received (i.e., proceedings of two of the three previous meetings can be found in special issues of *Journal of Clinical Neurophysiology* 24:2 and 27:6), which encourages us to continue with this recent tradition.

-----**Abstract Submission Instructions**-----

Provide your Abstract as a one page Word file with the same margin settings used for this text. Within this one page, you may embed JPG figures up to a total of a 5 MB file size.

The Abstract should contain a title (font: Times New Roman 16pts), author(s) and affiliation(s) (font: Times New Roman 10pts), and the abstract text (font: Times New Roman 11pts). Reference list and acknowledgements, figure captions and tables (font: Times New Roman 10pts)

References in text: Berntson *et al* 1997; Clifford and Tarassenko 2005; Togo *et al* 2006.
Use '*et al*' in case there are more than two authors.

References:

Pan J and Tompkins WJ. A real-time QRS detection algorithm. *IEEE Trans. Biomed. Eng.* 32: 230–236, 1985.
Press WH, Flannery BP, Teukolsky SA and Vetterling WT. *Numerical Recipes in C*, 2nd ed. Cambridge UK: Cambridge Univ. Press, 1992, pp. 575–584.

Please email your contribution before May 12, 2011 as an email attachment to
Dorothy Douglas (ddouglas@uchicago.edu) and
cc: Wim van Drongelen (wvandron@peds.bsd.uchicago.edu).

In your email, indicate if you would like to be considered for an invitation to contribute to the special issue of the *Journal of Clinical Neurophysiology*.

To register for the meeting pls. email the following information to

Dorothy Douglas (ddouglas@uchicago.edu) and
cc: Wim van Drongelen (wvandron@peds.bsd.uchicago.edu).

Name:
Poster Presenter: y/n
Institution:
Street Address:
City:
State:
Phone:
E-mail address:

There will be no cost for attendees from the Argonne National Laboratory, the Illinois Institute of Technology, the Rehabilitation Institute of Chicago, or the University of Chicago for this meeting; attendees from elsewhere will be charged a \$125 fee and students from elsewhere will be charged \$75. This fee includes coffee, breakfasts, lunches and dinners.

For **questions or further information** please contact
Dorothy Douglas (ddouglas@uchicago.edu) and
cc: Wim van Drongelen (wvandron@peds.bsd.uchicago.edu).

We look forward to seeing you in Chicago,

Organizing Committee,

Wim van Drongelen, PhD
Professor of Pediatrics, Neurology, and Computational Neuroscience
Senior Fellow Computation Institute
Technical and Research Director Pediatric Epilepsy Center
The University of Chicago
Chicago, IL

John Ebersole, MD
Professor of Neurology
Director, Adult Epilepsy Center
Co-Director, Comprehensive Epilepsy Center
Director, Clinical Neurophysiology Laboratories
The University of Chicago
Chicago, IL

David Mogul, PhD
Associate Professor & Interim Chairman of Biomedical Engineering
Co-Director of Center for Integrative Neuroscience & Neuroengineering Research (CINNR)
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