

INCF NEWSLETTER

Issue 1, 2011

Science deals with the data deluge

Special issue highlights opportunities and challenges in organizing scientific data.

On February 11, *Science* and several of its sister journals published a joint special issue on managing the increasingly huge influx of research data, a common problem across many different research disciplines. The articles in the collection, which are provided free of charge to all readers, highlight the opportunities that can be realized when this tsunami of scientific data is organized and can be accessed, as well as the challenges and barriers encountered along the way. For a neuroinformatics perspective, we particularly recommend the article on mining neuroscience data, written by Huda Akil, Maryann Martone and David Van Essen.

www.sciencemag.org/site/special/data/



News in brief

Subscribe to this newsletter by sending an email to incf-info-subscribe@incf.org

NI2011 Submission deadline

The submission of abstracts for this year's Neuroinformatics Congress, held in Boston on September 4-6, closes **April 19**.

www.neuroinformatics2011.org

NI2011 Travel Awards

In an effort to facilitate Congress participation for young researchers, the local organizing committee of Neuroinformatics 2011 has secured support for a number of travel awards. The National Institutes of Health, National Institute of Neurological Disorders and Stroke, and National Institute of Drug Abuse have provided funding (R13NS074833). Eligible are students and postdocs who have submitted an abstract, and who apply for the travel award **latest May 3**.

Meet INCF this summer!

Summer season is conference season. This year you can meet INCF representatives at:

HBM 2011, Quebec (Canada), June 26-30

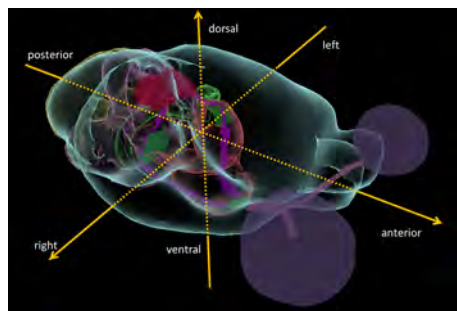
8th IBRO, Florence (Italy), July 14-18

CNS*2011, Stockholm (Sweden), July 23-28

and of course at our own Congress:

NI2011, Boston (USA), September 4-6

Digital Atlasing Program work published in PLoS Computational Biology



Recent paper presents significant progress towards an open and shared digital brain atlasing framework.

A perspective article highlighting the INCF Digital Atlasing Program was published in the February issue of the journal *PLoS Computational Biology*, and was also highlighted in the April issue of *Nature Methods*. This article marks a milestone for the INCF Digital Atlasing Program, describing the vision and key accomplishments of the Program

to date and announces a new framework consisting of the Waxholm Space (WHS; named in honor of the group's first meeting location) and a supporting web-based Digital Atlasing Infrastructure (DAI). Together they enable the integration of data from genetic, anatomical and functional imaging studies. doi:10.1371/journal.pcbi.1001065, doi:10.1038/nmeth0411-290

INCF mentors Google Summer of Code

This year, for the first time, INCF is participating as a mentoring organization in Google's Summer of Code program. This allows students to join development projects related to INCF's core activities, INCF Programs and National Nodes while being paid by Google. Several project ideas are outlined on the ideas page but students could also contact us with their own proposals. The student application period ended April 8, and we received a large number of good applications.

www.incf.org/gsoc2011



INCF launches Training Committee

To further coordinate efforts in training the next generation of neuroinformaticians, INCF has launched a Training Committee. The committee will review, evaluate, propose and organize training activities in the field of neuroinformatics.

www.incf.org/core/training-committee

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Neuroinformatics 2011

Boston, USA, September 4-6

Technical
co-sponsor



Workshops

Network principles derived from analysis and databasing of cortical connectivity

*Jan Bjaalie, Claus Hilgetag,
Henry Kennedy, Randy McIntosh*

Advances in Computational Psychiatry

*David Kennedy, Randy Buckner,
Michael J Frank, Quentin Huys*

Connectome integration across modalities

*David Van Essen, Marcello Massimini,
Steve Smith, Van Wedeen*

Functional reconstruction of neural networks

*Upinder Bhalla, Aniruddha Das,
Jonathan Pillow, Dietmar Plenz*

Keynote speakers

Kim "Avrama" Blackwell

George Mason University

Ed Callaway

Salk Institute

Shin Ishii

Kyoto University

Allan Jones

Allen Institute for Brain Science

Terry Sejnowski

Salk Institute & UCSD

Satellite workshop at EMBC'11, September 3

Toward a Global Neuroinformatics Infrastructure

Sean Hill, INCF, Sweden
Mitsuo Kawato, ATR, Japan
David Van Essen, WUSTL, USA
Jan Bjaalie, U. of Oslo, Norway



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www.neuroinformatics2011.org