Spring 2012 INCF Nodes workshop

April 18-19, 2012

Time

From April 18, 150 PM (following the INCF governing board meeting)
To April 19, 430 PM

Place

The INCF Secretariat and the adjacent Lennart Nilsson lecture hall, both at Nobels väg 15A at Karolinska Institutet Campus, Stockholm, Sweden

Theme

Towards a Neuroinformatician's Tool Box

Suggested Schedule

April 18

1230-1350	Lunch
1350-1400	Welcome and introduction to demo session
1400-1730	Neuroinformatics product and tool group demonstrations • Around 8 product demos divided into two sessions
1730-1900	Summary and discussion, welcome reception Dinner

April 19

0900-0910	Introduction of today's schedule
0910-1000	Node updates (presenting the Node web page)
1000-1030	Coffee break
1030-1100	Node updates (presenting the Node web page)
1100-1110	Training committee update
1110-1130	Experience from Node involvement in INCF outreach
1130-1200	Secretariat updates
1200-1300	Lunch
1300-1320	Data publication and open science
1320-1330	Introduction to break-out discussions
1330-1430	Break-out discussions
1430-1500	Coffee break
1500-1630	Plenary Break-out group presentations and open discussion Dinner

Spring 2012 INCF Nodes workshop

April 18-19, 2012

Potential product demo topics

(You are most welcome to endorse, oppose and suggest topics as well as potential presenters)

1. Waxholm Space and INCF Digital Atlasing Infrastructure
2. MUSIC (Multi-Simulation Coordinator)
3. CSA (Connection-Set Algebra) – Framework to define connectivity in network models
4. NineML
5. One-click tool – Improved user interface to XNAT (Extensible Neuroimaging Archive Toolkit)
6. Neuron registry
7. Spike sorting and validation tools
8. Git-hub – A social coding site
9. OMNI – iRODS
10. J-Node Simulation platform/PLATO (Platform for a collaborative Brain System Modeling)/ RAST (Related Abstract Search Tool)
11. CARMEN (Code analysis, Repository and Modeling for e-Neuroscience)
12. NIF (Neuroscience Information Framework)/Neurolex
13. NITRC/Software center – Tool repositories
14. Allen Brain Atlas
15. MOOSE (Multiscale Object-Oriented Simulation Environment)
16. 3D bar (3D Brain Atlas Reconstructor)
17. Open BCI (Open Brain Computer Interface) – Analysis of EEG (and other) signals
18. Python neuroscience tools

Comments

- As usual, the INCF Nodes are invited to submit comments and suggestions for the workshop, especially concerning the program format, the break-out topics , and the demo topics and presenters.
- INCF Program updates are expected to be covered by Program product demos during the day one demo sessions.
- Node involvement in INCF outreach would include booths at Neuroinformatics 2012, INCF material kit, neuroinformatics socials etc.
- Demo sessions – The thought is to use 4-5 rooms at the Secretariat for two 90 minute sessions, i.e. a total of 8-10 demos. With 30 minute presentations, this would allow participants to attend their choice of 3 out of the 4 or 5 demos per session. A selection of relevant neuroinformatics tools representing activities of the INCF Nodes, the INCF Secretariat and other groups will be demonstrated. In addition to giving an insight to those specific tools, this will also serve as platform for subsequent plenary and break-out discussions (see theme "*Towards a Neuroinformatician's Tool Box*"). Naturally, the final selection of demos will depend on what potential presenters we will attract.
- Node presentations - The Nodes would be asked to present their Node updates not with slides and poster but by guiding the audience through their Node web page. This would channel the effort of making slides and poster into instead updating the web page.
- Break-out discussions – Topic suggestions are welcome.
- The "Data publication and open science" time slot is meant for a presentation by a representative from an organization or journal that actively addresses these matters.