

- **Sunday November 4th, 13:30 a.m. – 16:30 p.m.**
- **Monday November 5th, 13:30 a.m. – 16:30 p.m.**

Japanese Neuroinformatics Node and Platforms I & II

Abstract

Neuroinformatics is a new discipline which combines neuroscience with information technology. The Japan-Node of INCF was established at Neuroinformatics Japan Center (NIJC) of RIKEN Brain Science Institute in 2005 to address the task of integrating outstanding neuroscience researches in Japan. Each platform subcommittee from selected research areas develops a platform (PF) which is based on XooNlps. NIJC operates the Japan-Node portal to make platform resources open accessible in public. We demonstrate our concepts and the scheme of Japan-Node including ten platforms.

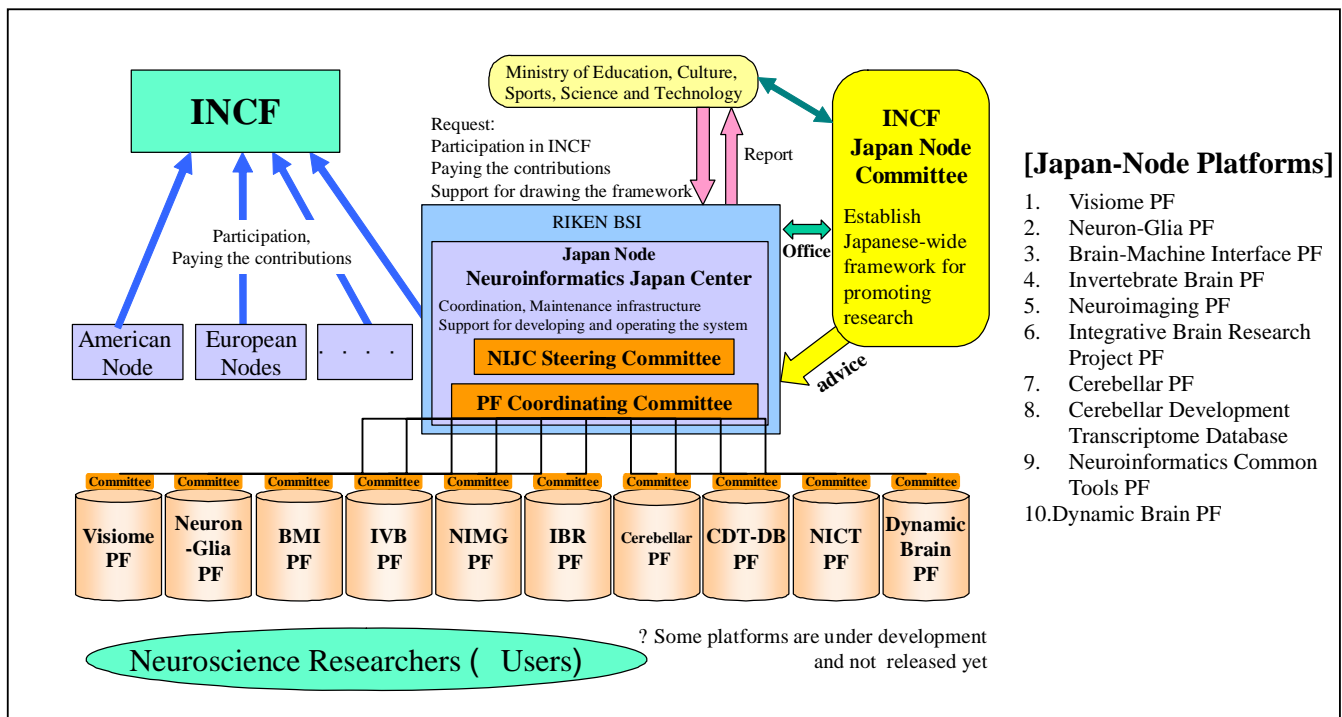


Figure: Japan-Node scheme with INCF

Demonstrations I - November 4th

1. **INCF Japan Node and Platforms** (<http://www.neuroinf.jp/>)
 NIJC headed by Shiro Usui, RIKEN BSI, operates the Japan-Node portal.
2. **Neuron-Glia PF** (<http://platform.neuron-glia.neuroinf.jp/>)
 Neuronal and glial cells platform headed by Hiroyoshi Miyakawa, Tokyo University of Pharmacy and Life Sciences.
3. **Neuroimaging PF** (<http://platform.nimg.neuroinf.jp/>) <Program#/Poster#:101.1/YY11>
 Neuroimaging technologies including MRI, MEG, EEG and PET headed by Ryoji Suzuki, Kanazawa Institute of Technology.
4. **Neuroinformatics Common Tools PF** (<http://platform.nict.neuroinf.jp/>)
 Neuroinformatics Common Tools and environment headed by Shiro Usui, RIKEN BSI.

5. XooNIPS (<http://xoonips.sourceforge.jp/>)

Neuroinformatics base platform system developed by RIKEN BSI NIJC.

6. 3D-SE viewer <Program#/Poster#:101.15/YY25>

New interactive visualization tool copyrighted RIKEN BSI NI lab and NTT-CS lab.

Demonstrations II- November 5th

1. INCF Japan Node and Platforms (<http://www.neuroinf.jp/>)

NIJC headed by Shiro Usui, RIKEN BSI, operates the Japan-Node portal.

2. Brain-Machine Interface PF (<http://platform.bmi.neuroinf.jp/>)

Brain-Machine Interface headed by Toshio Iijima, Tohoku University.

3. Integrative Brain Research Project PF (<http://www.togo-nou.nips.ac.jp/>)

Database for Integrative Brain Research Project (PI: Jun Tanji) headed by Tadashi Isa, National Institute for Physiological Sciences.

4. Cerebellar PF (<http://platform.cerebellum.neuroinf.jp/>) <Program#/Poster#:190.6/Tt23>

Cerebellar research and its role in motor learning headed by Soichi Nagao, RIKEN BSI.

5. CDT-DB (<http://www.cdtb.brain.riken.jp/>) <Program#/Poster#:101.11/YY21>

Cerebellar Development Transcriptome Database headed by Teiichi Furuichi, RIKEN BSI.

6. XooNIPS (<http://xoonips.sourceforge.jp/>)

Neuroinformatics base platform system developed by RIKEN BSI NIJC.

7. SATELLITE (<http://satellite.sourceforge.jp/>)

Integrative system analysis tool developed by RIKEN BSI.