



Consiglio Nazionale delle Ricerche  
Institute of Molecular Bioimaging and Physiology

**ANT, Netherlands**  
[www.ant-neuro.com](http://www.ant-neuro.com)

**IBFM, Italy**  
[www.ibfm.cnr.it](http://www.ibfm.cnr.it)

## ANT Workshop in collaboration with the IBFM Institute

Thursday, September 21, 2006

**Venue: Institute of Molecular Bioimaging and Physiology**  
**Via Fratelli Cervi, 93 - 20090 Segrate MI Lombardia**

- |       |  |
|-------|--|
| 8:15  | <b>Opening Welcome</b> – Alberto Zani  |
| 8:30  | <b>Cognitive Neuroscience with ASA-Lab.</b> <i>An introduction</i>   |
| 9:00  | <b>Data acquisition in real life.</b> <i>Recordings, ERP hardware, caps</i>  |
| 10:15 | <b>Coffee/tea break</b>  |
| 10:30 | <b>From signals to sources.</b> <i>ASA-Lab analysis, interactive training course</i>   |
| 13:00 | <b>Lunch break</b>   |
| 14:30 | <b>Design of cognitive stimulation paradigms.</b> <i>eevoke and the scenario generator</i>                                   |
| 15:15 | <b>Coffee/tea break</b>  |
| 15:45 | <b>The study of oscillatory activity.</b> <i>FFT, coherence analysis, time-frequency averaging, cortical ERD/ERS, LORETA</i> |
| 18:00 | End  |
| 19:00 | <b>Dinner.</b> <i>Afterwards: late night social gathering.</i>   |



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## **ANT Workshop in collaboration with the IBFM Institute**

Friday, September 22, 2006

- 8:30 **Functional imaging of electrical brain activity using EEG/MEG and ERP. Source analysis, MRI integration and head modeling**
- 10:45 **Coffee/tea break**
- 11:00 **Group study analysis with the ASA Experiment Manager. An Introduction**
- 12:00 **Integration of Matlab Analysis and ASA-Lab. The ASA Experiment Manager**
- 13:00 **Lunch break**
- 14:30 **Special applications: EEG Neurofeedback / Brain-Computer Interface**
- 15:15 **Special applications: EEG - TMS combined**
- 16:00 **Coffee/tea break**
- 16:30 **Special applications: EEG - MRI combined**
- 17:15 **Special applications: Video - EEG and clinical features of ASA-Lab**
- 18:00 **Meet us to discuss questions of your specific interest**
- 19:00 **End**