CIMeC
Center for Mind/Brain Sciences
http://portale.unitn.it/cimec

MRI Lab Staff - 2010
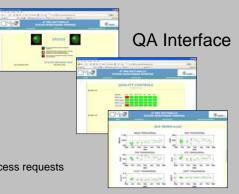*Laboratories for Functional Neuroimaging*
Center for Mind-Brain Sciences

UNIVERSITÀ DEGLI STUDI DI TRENTO

Who are we?

MR Lab Directors

Jens Schwarzbach, PhD   Jorge Jovicich, MSc, PhD

MD responsible for medical issues

Gianpaolo Basso, MD, PhD

MATTARELLO SPACES
MRI LAB
EMERGENCY EXIT

Physicist responsible for MR system and safety

Paolo Ferrari

MR Lab

MD responsible for human scans

Claudio Boninsegna, MD

Technical MR operators and assistants

Manuela Orsini   Nico Papinutto, PhD   Hanna Liisa Inkala

IT support

Administrative support

Stefano Tessari   Valeria Maria Nencini

What do we do?

Main Goals:
- support the use of the MR lab for research
- maintain and monitor the MR system
- implent safe lab procedures

- Medical Support
  - Availability for medical emergencies
  - Medical screening, subject preparation and supervision during all human experiments
  - Inspection of images and registry for incidental findings. Follow up.

- Technical Support
  - Support on system hardware, software used at the lab and acquisition protocols
  - MR system maintenance, reparations and routine quality assurance tests
  - MR-compatibility and safety tests for new equipment entering the magnet room
  - Optimization of acquisition protocols with specific needs
  - Maintenance and support for the use of stimulation equipment (hardware, software)
  - Data transfer

- Training and information dissemination
  - MR Safety Training
  - MRI Lab Home Page

- IT Support
  - Subscriptions to MR lab users email list
  - Access to volunteers database
  - Access to anonymized data
  - Support of web scheduling system
  - Data Backups

- Administration Support
  - Keep all documentation related to MR lab access requests

- Technical Resources
  - MR System: 4T MedSpec Bruker Siemens, Sonata Gradients (max 40mT/m, *slew rate* 200 T/m/s), birdcage and 8-channel head RF coils
  - Peripheral Equipment:
    - Stimulation software (Eprime, Matlab, Presentation, Visage)
    - Four-button response boxes (Lumina)
    - Two fiber optic microphones (Fibersound)
    - MR-compatible corrective lenses
    - MR-compatible tactile stimulator (QuaeroSys)
    - MR-compatible TMS coil
    - MR-compatible Physiological monitor

QA Interface