



EEG & fMRI



**BRAIN PRODUCTS**

Solutions for neurophysiological research

## Brain Products EEG & fMRI solutions



- ✓ Gold standard for combined EEG & fMRI
- ✓ MR conditional sensors to measure peripheral signals (GSR, EMG, Respiration)
- ✓ More than 25 years of experience in the field
- ✓ Excellent data quality
- ✓ Safe and systematic setup
- ✓ More than 800 peer-reviewed publications



## Hardware

- ✓ BrainAmp MR EEG amplifiers can be placed directly in the scanner bore
- ✓ Choice of gel-based or sponge-based EEG electrodes
- ✓ Record data fully synchronized to the scanner clock
- ✓ Simultaneous and continuous fMRI recordings with EEG, ECG, GSR, EMG, respiration and acceleration sensors
- ✓ Carbon wire loops available for measuring motion-related artefacts

## Data processing

### Real-time analysis with BrainVision RecView

- ✓ Gradient artefact correction
- ✓ Cardioballistic artefact correction
- ✓ Basic and advanced EEG online analysis

### Gold standard offline analysis with BrainVision Analyzer

- ✓ Gradient and cardioballistic correction
- ✓ Motion-related artefact correction using carbon wire loop regression
- ✓ EEG signal processing
- ✓ Convenient, intuitive and fast

## Service

Training, consultancy and support from the experts. Ask us for a demo!

