

Details

Berlin Center for Advanced Neuroimaging (CCF-BCAN)

The Berlin Center for Advanced Neuroimaging (BCAN) is a research infrastructure for neuroscientific imaging that operates two 128-channel 3 Tesla MRI scanners. The BCAN is a joint institution of Charité - Universitätsmedizin Berlin and Humboldt Universität zu Berlin. Organisationally it is a core facility of the Charité. The German Research Foundation and the Berlin Institute of Health made it possible to upgrade both MRIs to the latest technological standard. Furthermore, the BCAN has MR-compatible EEG, TMS and TES as well as separate cabins for behavioral testing. The BCAN has a core staff for technical operation and maintenance, safety, MR-physics, training of users and scanning support. There is also support for statistical and computational data analysis.

Address: Charitéplatz 1
10117 Berlin
Berlin
Deutschland
[To website](#)

Host Institution

Charité - Universitätsmedizin Berlin

Charitéplatz 1
10117 Berlin
Berlin
Deutschland

<http://www.charite.de>

Humboldt Universität zu Berlin

Unter den Linden 6
10099 Berlin
Berlin
Deutschland

<http://www.hu-berlin.de>

Scientific Domain

Primary Subjects:

- Social and Behavioural Sciences
- Biology
- Medicine

Secondary Subjects:

- Humanities
- Physics
- Mathematics

Category

Biomedical Imaging Facilities

Scientific Services

- MR-scanning with two 3-tesla MRIs - All common sequences for functional and structural MRI - MR-compatible EEG and TMS - MR-physics (project consulting and development) - Training of users - Scanning support - Project presentations - Behavioral laboratory - Neuroradiological diagnostics (via CBS)

Scientific Equipment

- 128-Kanal 3 Tesla PrismaFit MRI
- 128-Kanal 3 Tesla PrismaFit MRI

- MR-compatible 64-channel EEG
- MR-compatible TMS
- Transcranial electrical stimulation

Keywords

- Functional MRI
- Structural MRI
- BOLD
- ASL
- Spectroscopy
- DTI and fibre tracking
- Multivariate Datenanalyse
- Automatisierte Diagnostik

Networks

Bernstein Network Computational Neuroscience

<https://www.bernstein-network.de/en>

Users per annum

Internal Users: 60

External Users in total: 0

External Users: 0

External Users in the EU: 0

External Users outside of EU: 0