

## 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