

## Instructions for presenting your proposal at the CBBM MRI colloquium

### What is this meeting about?

Scanner time is a valuable resource. It is therefore important to maximize the chance that a proposed project will answer the specified research question.

To do this, each imaging project is presented before data acquisition to review and discuss planned imaging studies together with all scientists at the CBBM.

The purpose of the meeting is to identify any limitations of the study and suggest amendments to the protocol. A project presentation should focus on **experimental design, acquisition parameters, and data analysis**.

Note that the meeting is not meant as a forum for motivating or discussing the conceptual basis of a project. Rather, the question answered at the meeting is: "Are the proposed methods adequate to investigate the research question?".

### Prerequisites:

- Ethics approval has been obtained
- Funding has been arranged
- The project proposal form (next page) has been submitted to [ulrike.kraemer@uni-luebeck.de](mailto:ulrike.kraemer@uni-luebeck.de)

### Location and Time:

Mondays, 1500 st, CBBM or Online

### Audience:

Everyone who is interested in MR imaging studies at the CBBM, members of the MR steering committee.

### Scheme of your project presentation:

Present your proposed study in a **talk of 10-15 minutes** and **plan for a 10-15 minute discussion**.

#### Background—

- Present just the very essential background information.
- What is your research question?

#### Methods—

- How many and what kind of subjects do you need?
- What is your experimental design?
- What are the specifics of your experimental paradigm (e.g., trials, timing, stimuli; if applicable)?
- What are the acquisition parameters?
- How many hours of equipment usage is expected?

#### Analysis and expected results—

- What are your planned analyses?
- Who will do the analyses (especially in case of multiple imaging methods)
- Which statistical tests will you use?
- What is the expected outcome of your analyses (e.g. in terms of anatomical location, time course, etc.)?

The ensuing **discussion** will focus on methodological aspects (i.e. potential confounds in the design, potential difficulties with proposed analyses, suggestion for alternative acquisition parameters, etc.)



Studienprotokoll						
Projekttitel						
Ansprechpartner/in		Extern	Telefon	Email		
PI		Finanzierung (DFG, intern)			Scankosten/h [€]	
Projektmitarbeiter/inn/en						
Equipment	MRI	EEG	Behav.	Sonstiges	Projektname (kürzel)	Größe [GB]
Art der Patient/inn/en			Anzahl	Art der Proband/inn/en		Anzahl
Monitoring						
Besonderheiten						
Ethikvotum (Datum und Aktenzeichen)			Anzahl Pilotskans ( $n_{\text{pilot}}$ )		Möglicher Studienbeginn	
Anz. Messungen (Pat.) ( $n_{\text{pat}}$ )		Messzeit/Pat. [min] ( $t_{\text{pat}}$ )		Angaben zur Messung (Zielregionen, FOV, Anz. u. Führung d. Schichten, TR, Anz. Vol.)		
Anz. Messungen (Prob.) ( $n_{\text{prob}}$ )		Messzeit/Prob. [min] ( $t_{\text{prob}}$ )				
Aufbauzeit† [min] ( $t_{\text{aufbau}}$ )		† Bitte nur angeben, wie lange der Scanner nicht für Messungen zur Verfügung steht.				
Die Gesamtmesszeit berechnet sich aus der Anzahl der Messungen und Pilotskans, multipliziert mit der jeweiligen Dauer inkl. der Aufbauzeiten: $\Sigma_{\text{gesamt}} = n_{\text{pat}} \times (t_{\text{pat}} + t_{\text{aufbau}}) + (n_{\text{prob}} + n_{\text{pilot}}) \times (t_{\text{prob}} + t_{\text{aufbau}})$					Messzeit [h] ( $\Sigma_{\text{gesamt}}$ )	
Kurze Beschreibung der Studie und deren Hintergrund						
Datum der Projektpräsentation			Datum, Unterschrift Sprecher/in Leitungsgremium			