Lecture Series " Neuroimaging Physics & Signal Processing: Electroencephalography and Magnetoencephalography " | Basic Course
May 7--May 18, 2020

	07 May 2020 *Seminar Room Dorothea Erxleben (C004)*	11 May 2020 *Seminar Room Dorothea Erxleben (C004)*	14 May 2020 *Lecture Hall Gustav Theodor Fechner*	18 May 2020 *Seminar Room Dorothea Erxleben (C004)*
09:00-10:30	Saskia Helbling Electrocephalography and Magnetoencephal Principles and Signal Generation	Burkhard Maess Event-related Signals: Averaging, Component Analysis, Statistics	Saskia Helbling Source Analysis I: Overview and Head Modeling	**Thomas Knoesche** Dynamic Modeling
10:30-10:45	Break	Break		Break
10:45-12:15	Thomas Knoesche Electroencephalography: Instrumentation and Recording	Saskia Helbling Analysis of Brain Oscillations	Burkhard Maess Source Analysis II: Focal Sources – Dipole Fitting and Scanning Methods	**Thomas Knoesche** Discussion: EEG and MEG in Relation to other Brain Imaging Techniques
12:15-13:00	Lunch		Lunch	
13:00-14:30	Saskia Helbling Magnetoencephalography: Instrumentation and Recording		Burkhard Maess Source Analysis III: Distributed Source Models	
14:30-14:45	Break		Break	
14:45-16:15	Burkhard Maess Spontaneous Signals and Basic Signal Processing: Filtering, Artefact Treatment, Interpolation, etc		Thomas Knoesche Connectivity Analysis	

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