



**IMPRS on Cognitive NeuroImaging
Module 3: Advanced Courses
Topics in Neural Signal Processing**

23 May – 17 June 2024

Date	Time	Topic	Lecturer	Venue
23 May	08:30 – 09:15	Signal generation, physiology	Prof. Thomas R. Knoesche Dr Burkhard Maess	MPI CBS, Computer Training Room A412
	09:15 – 10.00	Signal pre-processing		
	10.15 – 11.45			
27 May	08.30 – 10.00	Signal decomposition	Prof. Thomas R. Knoesche Dr Burkhard Maess	MPI CBS, Computer Training Room A412
	10.15 – 11.00			
	11:00 – 11:45	Source reconstruction – Overview and forward		
30 May	08.30 – 10.00	Source reconstruction – Inverse	Prof. Thomas R. Knoesche Dr Burkhard Maess	MPI CBS, Computer Training Room A412
	10.15 – 11.45			
03 June	10.00 – 11.30	Connectivity analysis	Prof. Thomas R. Knoesche Dr Burkhard Maess	MPI CBS, Computer Training Room A412
	11.45 – 13.15	Wrap-up, Comparison EEG/MEG		
17 June	08.30 – 12.00	Literature workshop	Prof. Thomas R. Knoesche Dr Burkhard Maess	MPI CBS, Seminar Room C402

Organiser

International Max Planck Research School on Cognitive NeuroImaging (IMPRS CoNI)

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Credit Points

Participants have the possibility to receive 2 ECTS CPs. Conditions: 80% attendance and active participation in the literature workshop (presentation of a paper and discussion of presented papers). Participants are required to communicate the paper they want to present to the instructors by 03 June 2024.

