IMPRS
on Cognitive NeuroImaging
INTERNATIONAL MAX PLANCK RESEARCH SCHOOL

IMPRS on Cognitive NeuroImaging
Advanced NeuroImaging Data Analysis (Advanced Course)
15–18 September 2025

Prior to each course, unit participants are required to watch teaching videos and/or read papers (list of links will be shared internally).

	15 September 2025	**16 September 2025**	**17 September 2025**	**18 September 2025**
09.30–10:15	**Sofie Valk** Wrap-up and discussion: Gradients	**Daniel Reznik** Wrap-up and discussion: Precision neuroimaging	**Martin Hebart** Wrap-up and discussion: Multivariate pattern analysis (MVPA)	**Alfred Anwander** Wrap-up and discussion:Diffusion tensor imaging (DTI)
10:15–10:30	Break	Break	Break	Break
10:30–12:00	**Sofie Valk** Hands-on: Gradient analysis	**Daniel Reznik** Hands-on: Precision neuroimaging	**Martin Hebart** Hands-on: MVPA	**Alfred Anwander** Hands-on: DTI
12:00–12:45		Lunch Break	Lunch Break	Lunch Break
12:45–13:30		**Simon Hofmann** Wrap-up and discussion: Explainable AI in neuroimaging	**TBA** NN	**Karsten Mueller** Wrap-up and discussion: Voxel-based morphometry (VBM)
13:30–15:00		**Simon Hofmann** Hands-on: Explainable AI in neuroimaging	**TBA** NN	Karsten Mueller **Hands-on: VBM**

Venue: Charlotte Bühler Room (C402), Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig
Registration: Through OpenCampus
Credit Points: Participants have the possibility to receive 2 ECTS CPs. Conditions: Active participation and positive evaluation of homework.
Organiser: International Max Planck Research School on Cognitive NeuroImaging (IMPRS CoNI)

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