



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



Workshop on HeuDiConv & fMRIPrep

The 16th & the 17th of April 2026

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Workshop Schedule

Day 1 (Thursday): From DICOM to BIDS + fMRIPrep Basics

9:00 - 10:15 | Introduction & Getting Started

- Workshop overview & introduction
- What is BIDS and why does it matter?
- Introduction to HeuDiConv
- Introduction to fMRIPrep
- Setting up WSL and Docker

10:30 - 11:45 | DICOM to BIDS Conversion

- Writing heuristic files for HeuDiConv
- Convert your first subject from DICOM to BIDS
- Validating your BIDS dataset

12:30 - 14:00 | Running fMRIPrep & Quality Control

- Understanding preprocessing steps (motion correction, normalization, etc.)
- Run fMRIPrep on a sample subject
- Exploring fMRIPrep outputs and HTML reports

Day 2 (Friday): Advanced Topics & Troubleshooting

9:00 - 12:30

- Review and Q&A from Day 1
- Processing multiple subjects efficiently (parallel processing)
- Customizing preprocessing for your analysis goals
- Connecting to follow-up analyses (NiLearn, SPM)
- Resources and next steps