

# “MODELING THE INTERACTING BRAIN IN NATURALISTIC SETTINGS”

**FEBRUARY 3<sup>rd</sup>, 2024**

*IMT School For Advanced Studies Lucca, Italy  
Cappella Guinigi, San Francesco Complex*

- **13:00 | Opening**
- **13:20 | Nathan Weisz**  
Tracking speech with your brain and your eyes
- **13:45 | Hae Won Hu**  
Statistical Data Integration: Latent Variable Modelling
- **14:10 | Gastone Castellani**  
Production of synthetic data for medical imaging with a focus in Brain MRI
- **14:35 | Rainer Goebel**  
Neural correlates of conscious perception at the mesoscopic scale of cortical columns and cortical layers
- **15:00 | Marcel van Gerven**  
Encoding and decoding models in neuroscience
- **15:25 | Jim Haxby**  
Hyperalignment: modeling shared and individuation information embedded in idiosyncratic fine-scale topographies

- **15:50 | Coffee Break**
- **16:20 | Wim Vanduffel**  
Comparative fMRI in primates using naturalistic stimuli
- **16:45 | Emiliano Ricciardi, Pietro Pietrini**  
fMRI and naturalistic stimulation in sensory-deprivation to study modality-(in)dependent brain organization
- **17:10 | Angelika Lingnau**  
The representational space of observed actions
- **17:35 | Jens Schwarzbach**  
Plasticity of representational spaces in olfaction and emotion
- **18:00 | M. Ida Gobbini**  
The importance of familiarity for investigating mechanisms of face recognition
- **18.25 | Raffaele Lodi**  
Molecular and Functional signatures of brain disorders

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## **ORGANIZERS**

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