INM Retreat 2023
October 17-18

Monday 16.10.2023

Student meeting	
14:00	Building 15.9v – Room 4001b

Tuesday 17.10.2023

Tutorials / Workshops	
9:00	Session I
10:45	*Coffee Break*
11:15	Session II

13:00	*Lunch*

Opening Session		
14:00	GD of INM	Welcome

Scientific Presentations		
14:15	Markus Ruether	Decision Making, Algorithmic Outsourcing and Deskilling – an Ethical Analysis
14:35	Linnea Hoheisel	Computational Modelling of Brain Network Dynamics
14:55	Alessandro Marchetto	In silico approach to predict membrane proteins oligomers: the case of the human D2 neuroreceptor
14:58	Linh Hoang Gia	Unexpected single ligand occupancy and negative cooperativity in the SARS-CoV-2 Main protease
15:01	Mahan Hosseini	A python suite to automate the study of cross-species locomotion
15:04	Somayeh Maleki Balajoo	Multivariate clinical phenotype - brain structure association in autoimmune limbic encephalitis
15:07	Hanning Guo	Advancing Multi-Class Brain Disorder Identification through Transformer-Based Models and Explainable AI
15:10	Farah Abdellatif	Can Gen AI Resolve Neuroimaging Data Scarcity?
15:13	Camilla Krämer	Predictability differences among measures targeting cognitive performance in older age
15:16	Nikolas Kampel	Neural fingerprinting on MEG time series using MiniRocket

Poster Session I with finger food and drinks	
15:20	Even numbers
16:20	Odd numbers

Wednesday 18.10.2023

Scientific Introductory Talks		
9:00	Timo Dickscheid	Helmholtz AI
9:15	Alexander Lammers	Bernstein Network Computational Neuroscience
9:30	Boris Orth	EBRAINS National Node Germany
9:45	Swen Humpert	New working group - Neurotracer
10:00	Michael Denker	Helmholtz Metadata Collaboration (HMC)
10:15	Robert Speck	Helmholtz Platform for Research Software Engineering (HiRSE)

10:30	*Coffee Break*

Scientific Presentations		
11:00	Patricia Pais	Exploring Depth-Specific Function and Connectivity in the Human Cerebral Cortex
11:20	Christiane Jockwitz	Differential predictability of cognitive profiles from brain structure in older males and females
11:40	Simone Albani	Depletion of Membrane Cholesterol Modifies the Structure, Dynamics, and Activation of Nav1.7
11:43	Charl Linssen	Modeling and simulating spiking neurons and synaptic plasticity with NESTML
11:46	Aitor Morales-Gregorio	V1 population dynamics and dimensionality change with top-down signals from V4
11:49	Markus Zimmermann	QRAGE – Simultaneous Multiparametric Quantitative MRI at Ultrahigh Field
11:52	Chris Hoffmann	Improved radiosynthesis and preclinical evaluation of [18F]R91150 as PET radioligand for 5-HT2A receptors
11:55	Anna Plachti	Behavioral profiling of hippocampal grey matter in late childhood
11:58	Sinah Roettgen	Quality of life & a study protocol on cognitive training in prodromal Parkinson's Disease

12:05	*Lunch*

Poster Session II	
13:00	Even numbers
14:00	Odd numbers

Closing Session	
15:00	Concluding Remarks and Poster Prize

PI Meeting	
15:30	Foyer of the Central Library