| Name | Affiliation | Email address | Expertise |
|---|---|---|---|
| Dr. Sacha van Albada | Institute of Neuroscience and Medicine (INM-6), Forschungszentrum Jülich | s.van.albada@fz-juelich.de | Computational neuroscience, cortical multi-area modeling, spiking neural networks, human and non-human primates, resting-state dynamics, NEST |
| Prof. Dr. Heinz Beck | Institute of Experimental Epileptology and Cognition Research, Life and Brain Center, University of Bonn Medical Center | heinz.beck@ukb.uni-bonn.de | Neuronal Circuits, Learning and Memory, Electrophysiology, Optogenetics, In-vivo 2-photon imaging, Epilepsy |
| Prof. Dr. Philipp Berens | Forschungsinstitut für Augenheilkunde, Universität Tübingen | philipp.berens@uni-tuebingen.de | computational neuroscience, machine learning, simulation |
| Dr. Daniel Baum | Department Visual and Data-centric Computing, Zuse Institute Berlin | baum@zib.de | visual data analysis, visualization, image analysis, feature extraction, computer graphics |
| Dr. Kevin Briggman | Forschungszentrum caesar | kevin.briggman@caesar.de | connectomics, population activity imaging, modeling |
| Prof. Dr. Laura Busse | Division of Neurobiology, Dept. Biology II, LMU Munich | busse@bio.lmu.de | vision, visual perception, V1, dLGN, in vivo electrophysiology, optogenetics, behavior |
| Prof. Mingbo Cai | International Research Center for Neurointelligence, University of Tokyo | mingbo.cai@ircn.jp | |
| Prof. Peter Dayan | Max-Planck-Institut für biologische Kybernetik | dayan@tue.mpg.de | Computational neuroscience, neural reinforcement learning, computational psychiatry |
| Prof. Dr. Gustavo Deco | Center for Brain and Cognition, University Pompe Fabra, Barcelona | gustavo.deco@upf.edu | Computational Neuroscience, Cognitive Neuroscience, Models of Neuropsychiatric Diseases |
| Dr. Timo Dickscheid | Big Data Analytics, Institute of Neuroscience and Medicine (INM-1), Forschungszentrum Jülich | t.dickscheid@fz-juelich.de | Machine Learning, Computer Vision, Microscopic Image Analysis, Microscopy Data Management, Neuroinformatics |
| Prof. Dr. Simon Eickhoff | Institut für Systemische Neurowissenschaften, Heinrich-Heine-Universität Düsseldorf | simon.eickhoff@uni-duesseldorf.de | Neuroimaging, functional MRI, machine-learning, brain-behaviour associations, clinical neuroscience |
| Prof. Dr. Thomas Euler | Centre for Ophthalmology / Centre for Integrative Neuroscience, University of Tübingen, Germany | thomas.euler@cin.uni-tuebingen.de | vision research, retina, neural circuits, two-photon imaging |
| Dr. Lucius Fekonja | Image Guidance Lab, Klinik für Neurochirurgie, Charité – Universitätsmedizin Berlin | lucius.fekonja@charite.de | dMRI analysis, connectome, network neuroscience, brain tumors, image analysis, scientific visualisation |
| PD Dr. Stefan Geyer | Max Planck Institute for Human Cognitive and Brain Sciences, Department of Neurophysics, Leipzig | sgeyer@cbs.mpg.de | Human and Non-Human Primate Neuroanatomy, Histology, Immunohistochemistry, Structural Brain Mapping with High-Field Magnetic Resonance Imaging |
| Dr. Alexandros Goulas | Zentrum für experimentelle Medizin, Institut für Computational Neuroscience, Universitätsklinikum Hamburg-Eppendorf | a.goulas@uke.de | network neuroscience, artificial neural networks, comparative connectomics, generative models |
| Prof. Dr.-Ing. Henrik Hamker | Künstliche Intelligenz, Fakultät für Informatik, TU Chemnitz | fred.hamker@informatik.tu-chemnitz.de | Computational Neuroscience, Rate-coded networks, Spiking Neural Networks, Basal Ganglia |
| Prof. Hans-Christian Hege | Dept. Visual Data Analysis, Zuse Institute Berlin (ZIB) | hege@zib.de | Data Analysis, image Analysis, Data Visualization; Applications in Natural and Life Sciences, including Neurobiology |
| Prof. Claus C Hilgetag, PhD | Institute of Computational Neuroscience, University Medical Center Hamburg Eppendorf (UKE) | c.hilgetag@uke.de | Principles of brain architecture and connectivity, Simulations of brain dynamics based on network topology; Analysis of brain network perturbations |
| PD Dr. Gabriele Lohmann | Radiologische Universitätsklinik, Universitätsklinikum Tübingen | lohmann@tuebingen.mpg.de | |
| Prof. Dr. Matthias Kaschube | Frankfurt Institute for Advanced Studies & Goethe University Frankfurt | kaschube@fias.uni-frankfurt.de | Computational Neuroscience, Neural Data Analysis, Image Processing, Machine Learning, Neural Circuit Dynamics, Cortex Functional Organization and Development |
| Dr. Evgeniya Kirilina | Department of Neurophysics, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig; Center for Cognitive Neuroscience Berlin, Free University Berlin | kirilina@cbs.mpg.de | MRI, microstructure imaging, in-vivo histology, post-mortem MRI, in-vivo MRI, myelin mapping, iron mapping, quantitative histology, CLARITY, superficial white matter, U-fibers, biophysical modeling, advanced histology methods |
| Prof. Dr. Ulrich Kubitscheck | Rheinische Friedrich Wilhelms-Universität Bonn | kubitscheck@uni-bonn.de | light sheet microscopy, single molecule tracking, light microscopic techniques, tissue expansion, 3D image processing |
| Dr. Fumi Kubo | Max Planck Institute of Neurobiology, Martinsried | fumikubo@neuro.mpg.de | in vivo calcium imaging, visual system, zebrafish, visual behaviour |
| Prof. Dr. Andrea Kühn | Movement Disorder and Neuromodulation Unit, Dept. of Neurology, Charité Universitätsmedizin Berlin | Andrea.kuehn@charite.de | Movement disorders, clinical neuroscience, neurophysiology, Deep brain Recordings, oscillations, basal ganglia physiology |
| Prof. Jakob Macke | Machine Learning in Sciene, Cluster of Excellence / Department of Computer Science, Eberhard Karls University of Tübingen | Jakob.Macke@uni-tuebingen.de | Computational Neuroscience, Machine Learning, Bayesian Inference, Deep Learning, Neural Data Analysis |
| Dr. Siawoosh Mohammadi | Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf | s.mohammadi@uke.de | MR Physics; Quantitative MRI; Relaxometry; Diffusion MRI; Microstructure; In vivo histology; Ex vivo histology; Computational neuroanatomy |
| Prof. Dr. Dr. M. Morawski | Paul Flechsig Institute of Brain Research, Faculty of Medicine, Universität Leipzig | morm@medizin.uni-leipzig.de | Neuroanatomy & Morphology & Histology, Extracellular Matrix (ECM) of the CNS, Neurodegenerative Diseases, (AD/PD) Brain Iron Auditory System, Neuroimaging/Microscopy (qualitative & quantitative) |
| Dr. Marcel Oberlaender | Max Planck Group In Silico Brain Sciences, Center of Advanced European Studies and Research (caesar), Bonn | marcel.oberlaender@caesar.de | neuroanatomy, neurophysiology, computational neuroscience, sensorimotor systems, multi-scale models, predictive simulations |
| Privatdozent Dr. Thomas Picht | Image Guidance Lab, Klinik für Neurochirurgie, Charité – Universitätsmedizin Berlin | thomas.picht@charite.de | brain tumors, surgery, transcranial magnetic stimulation, tractography, multimodal functional imaging |
| Prof. Dr. Petra Ritter | Brain Simulation Section, Dept. Neurology, Charité Universitätsmedizin Berlin | petra.ritter@charite.de | Computational, clinical & cognitive Neuroscience, multimodal brain imaging, software development |
| Prof. Dr. Simon Rumpel | Institute of Physiology, FTN, Johannes Gutenberg University Mainz | sirumpel@uni-mainz.de | auditory system, synaptic plasticity, sensory representations, computational neuroscience, two-photon imaging |
| Prof. Dr. Klaus Scheffler, Ph. D. | Department for High-field Magnetic Resonance, Max Planck Institute for Biological Cybernetics, Tübingen | klaus.scheffler@tuebingen.mpg.de | Ultra high field MRI technology, Biophysics of functional and structural MRI, Neuroinformatics |
| Prof. Dr. Markus Siegel | Dept. Neural Dynamics and MEG, Hertie Institute for Clinical Brain Research, University of Tübingen | markus.siegel@uni-tuebingen.de | neurophysiology, human and non-human primate electrophysiology, magnetoencephalography, neural dynamics |
| Dr. Nicolas Schuck | Max-Planck-Institut für Bildungsforschung | schuck@mpib-berlin.mpg.de | Cognitive Neuroscience, Functional imaging, Computational Modelling |
| Dr. Karl Martin Schwarz | Universitätsklinikum Bonn, Rheinische Friedrich-Wilhelms Universität Bonn, Life & Brain Center | Martin.Schwarz@ukb.uni-bonn.de | neural circuits, engramics, olfactory learning, viral tracing, expansion microscopy, Optogenetics, closed-loop stimulations, Neuroethology |
| Prof. Dr. Monika Stengl | University of Kassel, FB10 Biology, Animal Physiology/Neuroethology | stengl@uni-kassel.de | insect brains, primary cell culture, patch clamp, calcium imaging, behavioral studies, immunocytochemistry, RNAi, qPCR, neuropeptide signaling, olfactory transduction, chronobiology, sensory physiology |
| Dr. Tatjana Tchumatchenko | Max Planck Institute for Brain Research | tatjana.tchumatchenko@brain.mpg.de | Computational neuroscience, spiking network simulations, software development, Data analysis |
| Prof. Dr. Götz Thomalla | Neurozentrum, Universitätsklinikum Hamburg-Eppendorf | thomalla@uke.de | Stroke research, clinical trials, diffusion tensor imaging, brain network analysis, lesion inference analysis, functional MRI |
| Prof. Dr. Jochen Triesch | Frankfurt Institute for Advanced Studies & Goethe University Frankfurt | triesch@fias.uni-frankfurt.de | Computational Neuroscience, Machine Learning, Spiking Neural Networks, Deep Learning, Reinforcement Learning, Complex Networks, Virtual Reality |
| Prof. Dr. Nikolaus Weiskopf | Department of Neurophysics, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig | weiskopf@cbs.mpg.de | MRI, microstructure imaging, in-vivo histology, ultra-high resolution functional MRI, post-mortem MRI, in-vivo MRI, relaxometry, myelin mapping, iron mapping, superficial white matter, U-fibers, biophysical modeling, advanced histology methods |