Abstract Title	Presenting Author last name	Presenting Author first name	Affiliation	City	Country	Keywords
Identifying Biomarkers of α-synuclein Pathology Using Multiparametric Imaging	Herfert	Kristina	Werner Siemens Imaging Center, University of Tuebingen / Preclinical Imaging and Radiopharmacy	Tuebingen	Germany	alpha-synuclein, Biomarker, PET imaging
Monitoring inflammation in the brain: Following the time profile of the anti-inflammatory marker Ym1 after stroke using Bioluminescence imaging (BLI)	Collmann	Franziska	Max Planck Institute for Metabolism Research / In vivo NMR Laboratory	Cologne	Germany	anti-inflammatory phenotype, Bioluminescence Imaging, stroke
Tracing neuroplasticity after neurotoxic injury to the song control circuitry, a longitudinal diffusion tensor imaging study in zebra finches	Hamaide	Julie	Bio-Imaging Lab, University of Antwerp /	Wilrijk	Belgium	diffusion tensor imaging, songbird, structural neuroplasticity
Quantitative [18F]florbetapir studies in humans	Golla	Sandeep	VU University Medical Center / Radiology and Nuclear Medicine	Amsterdam	Netherlands	[18F]florbetapir, Alzheimers disease, PET pharmacokinetic modelling
TLR2 is involved in the acute reaction to intermittent hypoxia	Polšek	Dora	University of Zagreb, School of Medicine / Department of histology and embryology	Zagreb	Croatia	Intermittent hypoxia, Neuroinflammation, TLR2
Evaluation of a unilateral intracranial model for induction of microglia M2 phenotype	Winkeler	Alexandra	Inserm/CEA/Université Paris Sud, UMR 1023 - ERL 9218 CNRS, IMIV /	Orsay	France	anti-inflammatory phenotype, Neuroinflammation, PET imaging
Poloxamer: a new means to recover functional network information in the rodent's deep brain structures	Hankov	Georges	Institute for Biomedical Engineering, University of Zurich and ETH Zurich /	Zurich	Switzerland	Deep rodent brain structures, Distortion free BOLD fMRI, Emotional processing

						and psychiatric disorders
The effects of four anesthetics on functional connectivity, and modulation by phencyclidine in rats	Paasonen	Jaakko	University of Eastern Finland / A.I.V. Institute for Molecular Sciences	Kuopio	Finland	anesthesia, functional MRI
Functional ultrasound imaging of the brain for the study, management and treatment of persistent pain	Rahal	Line	Institut Langevin / Wave Physics for Medicine and Biology	Paris	France	functional connectivity, functional ultrasound imaging, pain
Accuracy of diffusion imaging-based cortical connectome reconstructions depends on tractography procedures and neuroanatomical characteristics	Sinke	Michel	University Medical Center Utrecht / Biomedical MR Imaging and Spectroscopy Group, Center for Image Sciences	Utrecht	Netherlands	Diffusion-based tractography, Diffusion-weighted imaging, Neural tracers
Can PET-MRI with the TSPO-ligand 18F-DPA-714 support post-stroke etiologic work-up in patients with known or suspected cerebral vasculitis?	Backhaus	Philipp	University Hospital Münster / Department of Nuclear Medicine	Münster	Germany	[18F]DPA-714, Neuroinflammation, stroke
Functional ultrasound imaging of the brain activity in human neonates during sleep	Baranger	Jerome	Institut Langevin, CNRS UMR 7587, Inserm U979, ESPCI Paris, PSL Research University, /	Paris	France	Brain imaging, Functionnal Ultrasound, Neuroscience
Noninvasive quantification of [18F]UCB-H binding using microPET and population-based input function	Becker	Guillaume	University of Liege / Cyclotron Research Center	Liege	Belgium	full quantification, PET imaging, SV2A protein
Simultaneous PET/MRI brain studies on mice using novel commercial PET insert in 9.4T MRI	Cao	Liji	inviscan imaging systems /	Strasbourg	France	mice brain studies, PET/MRI, Simultaneous imaging
Multiparametric assessment of ischemic stroke during the acute phase using PET-MRI	Castaneda Vega	Salvador	Werner Siemens Imaging Center / Department of Preclinical Imaging and Radiopharmacy	Tuebingen	Germany	Gaussian Mixture Model, PET-MRI, Stroke

Spatiotemporal response of rat visual cortex during moving stimuli using Functional Ultrasound (fUS) Imaging	Gesnik	Marc	Institut Langevin /	Paris	France	Functional Ultrasound, Vision
Neuroimaging of Mouse Executive Functions by Operant Learning Task fMRI	Hisatsune	Tatsuhiro	The University of Tokyo / Bioimaging Center	Tokyo	Japan	Alzheimers disease, awake fMRI, prefrontal cortex
Hybrid fMRI BOLD and optical calcium measurements in the mouse	Schlegel	Felix	University and ETH Zürich / Institute for Biomedical Engineering	Zürich	Switzerland	BOLD fMRI, Neurovascular coupling, Preclinical imaging
Assessing the impact of anesthesia on hemodynamic and neuronal response by simultaneous BOLD fMRI and optical Ca2+ recordings in rat	Wachsmuth	Lydia	University of Münster / Clinical Radiology Experimental NMR	Münster	Germany	anesthesia, BOLD fMRI, Ca2+ recordings
Clip-mounted resonator mutually coupled to whole body birdcage for effective In Utero micro-MR Imaging of the Embryonic Mouse Central Nervous System	Wadghiri	Youssef	Center for Advanced Imaging Innovation and Research (CAI2R), New York University School of Medicine / Radiology	New York	United States	MEMRI DTI, Mouse Fetal MRI, RF coil in utero