	Monday 20 February	Tuesday 21 February	Wednesday 22 February	Thursday 23 February	Friday 24 February
07:45 - 08:45		breakfast			
08:45 - 08:50	*Welcome	Bertrand Tavitian*	**Imaging dopamine receptor function with PET/fMRI: pharmacology, signaling and adaptations.** Christin Sander, Boston	**Mapping the vascular dynamic network connectivity with calcium-indicated neural correlates from rodents to humans** Yu Xin, Tübingen	**Effect of diets on cerebrovascular system and brain structure and function.** Amanda Kiliaan, Nijmegen	**Deep Brain Stimulation.** Jürgen Voges, Magdeburg
08:50 - 08:55					
08:55 - 09:00					
09:00 - 09:05	**Introductory Lecture I "In vivo Studies of Use-Dependent Changes in Brain Tissue Property"** Bogdan Draganski, Lausanne				
09:05 - 09:10					
09:10 - 09:15					
09:15 - 09:20					
09:20 - 09:25					
09:25 - 09:30					
09:30 - 09:35					
09:35 - 09:40		**A novel role of intrinsic astrocytic calcium spikes to mediate brain states through thalamocortical pathway.** Maosen Wang, Tübingen	**Development of Opto-functional Magnetic Resonance Spectroscopy.** Nathalie Just, Münster	**A specific multi-nutrient intervention as therapeutic approach for stroke.** Maximilian Wiesmann, Nijmegen	**Resting state networks and visual activation are simultaneously present in the macaque brain during different states of consciousness.** Georgios Keliris, Antwerp
09:40 - 09:45					
09:45 - 09:50					
09:50 - 09:55					
09:55 - 10:00		**Human stem cells induce stabilization of functional connectivity network in the brain after stroke.** Claudia Green, Cologne	**A novel approach to map induced activation of neuronal networks using chemogenetics and functional MRI.** Theresia Roelofs, Utrecht	**PET/MRI in acute stroke translational research: the user perspective.** Johannes Boltze, Lübeck	**Multimodal evaluation of neuroinflammation during epileptogenesis using small animal PET and MRI.** Pablo Bascuñana, Hannover
10:00 - 10:05					
10:05 - 10:10					
10:10 - 10:15					
10:15 - 10:20					
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10:40 - 10:45					
10:45 - 10:50					
10:50 - 10:55					
10:55 - 11:00					
11:00 - 11:05	**Introductory Lecture I "In vivo Studies of Use-Dependent Changes in Brain Tissue Property"** Bogdan Draganski, Lausanne	**Aging under the Free Energy Principle.** Rosalyn Moran, Bristol	**Optical Imaging of Oxygen Delivery and Consumption : Novel Physiological Insights and Guiding Interpretation of BOLD fMRI.** David Boas, Boston	**Host genetics and microbiota influence stress circuitry and behaviour.** Jane Foster, Hamilton	*best poster presentation I*
11:05 - 11:10					
11:10 - 11:15					
11:15 - 11:20					
11:20 - 11:25					*best poster presentation II*
11:25 - 11:30					
11:30 - 11:35					
11:35 - 11:40					
11:40 - 11:45					
11:45 - 11:50					**Highlights, Looking into the Future and Farewell** Bertrand Tavtian, Paris
11:50 - 11:55		**MRI-guided robotic arm (MgRA) for stepwise optogenetic activation of the rat thalamic nuclei.** Chen Yi, Tübingen	**Large-scale brain recording with functional optoacoustic neuro-tomography of calcium indicators.** Daniel Razansky, Munich	**Astrocyte-Shed Exosomes Regulate the Leukocyte Response to Inflammatory Brain Lesions.** Alex Dickens, Turku	
11:55 - 12:00					
12:00 - 12:05					
12:05 - 12:10					
12:10 - 12:15	time buffer		time buffer		
12:15 - 12:20					
12:20 - 12:25	LUNCH		LUNCH		
12:25 - 12:30					
12:30 - 13:00					
13:00 - 16:15	BREAK		BREAK		
16:15 - 16:20	**Introductory Lecture II *"Imaging Calcium in Neurons"*** Arthur Konnerth, Munich	**The central role of astrocytes in neuroenergetics : relevance for brain imaging.** Pierre Magistretti, Lausanne	**Cells, structures and systems represented in the Allen Brain Atlases: Maximizing information output with integrated frameworks.** Amy Bernard, Seattle	**Functional brain network alterations in amyloidosis mice models.** Annemie van der Linden, Antwerp	
16:20 - 16:25					
16:25 - 16:30					
16:30 - 16:35					
16:35 - 16:40					
16:40 - 16:45					
16:45 - 16:50					
16:50 - 16:55					
16:55 - 17:00					
17:00 - 17:05		poster session I poster # 01-11	poster session II poster # 12-20	**The neurovascular fingerprint of BOLD bSSFP: the impact of vessel size, orientation and intravascular contribution.** Klaus Scheffler, Tübingen	
17:05 - 17:10					
17:10 - 17:15					
17:15 - 17:20					
17:20 - 17:25				coffee break	
17:25 - 17:30					
17:30 - 17:35					
17:35 - 17:40					
17:40 - 17:45					
17:45 - 17:50				**Investigating temporal differences of neuroinflammation imaging biomarkers in the cuprizone model of demyelination.** Bastian Zinnhardt, Münster	
17:50 - 17:55					
17:55 - 18:00					
18:00 - 18:05					
18:05 - 18:10					
18:10 - 18:15	**Introductory Lecture II "Imaging Calcium in Neurons"** Arthur Konnerth, Munich	**Brain connectivity deficit in an intra-uterine growth restriction model revealed via Ultrafast Doppler functional connectivity imaging can be mitigated by an ocytocin agonist.** Charlie Demené, Paris	**Toward full 3D functional ultrasound imaging of neuronal activity in awake rodents.** Claire Rabut, Paris	**Imaging alpha-synuclein aggregation, spreading and neurotoxicity in rodent models for Parkinson's disease.** Veerle Baekelandt, Leuven	
18:15 - 18:20					
18:20 - 18:25					
18:25 - 18:30					
18:30 - 18:35					
18:35 - 18:40		**Monosynaptic axonal connectivity strength does not explain resting-state functional connectivity in the rat brain.** Milou Straathof, Utrecht	**In vivo cell fate imaging: generating the timeline of neural differentiation.** Stefanie Vogel, Cologne		
18:40 - 18:45					
18:45 - 18:50					
18:50 - 18:55					
18:55 - 19:00		**Predicting psychotic symptoms in 22q11.2 deletion syndrome based on resting-state BOLD variability features extracted by PLS correlation.** Daniela Zöller, Lausanne	**High throughput three-dimensional imaging of myelin fibers in the whole mouse brain.** Marlene Wiart, Lyon		
19:00 - 19:05	*Reception by the Ecole de Physique*				
19:05 - 19:10					
19:10 - 19:15					
19:15 - 19:30					
19:30	Dinner		Dinner		
20:30-21:30			**Evening Lecture - Andreas Jacobs** 5 years of cooperation - success story of **INMiND**		