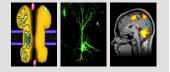
IGSN / SFB 874 CONFERENCE



SENSORY ENCODING AND THE EMERGENCE OF MEMORY

26th - 27th of April 2022

Veranstaltungszentrum, Ruhr Universität Bochum

Programme

April 26 th	14:00	Welcome - opening of the conference Denise Manahan-Vaughan Director IGSN / Speaker SFB 874
Session 1	14:10	Factors influencing brain function: evolutionary, attention and stress perspectives
	14:15	Jens Prüssner Neuropsychology, University of Konstanz, Konstanz, Germany
		Factors determining the stress response in humans and its contribution to health and disease
	14:50	Simon Hanslmayr Centre for Cognitive Neuroimaging (CCNi), College of Medical, Veterinary and Life Sciences, University of Glasgow, UK The utility of neural synchronization and synaptic plasticity for human episodic memory formation
	15:25	Coffee break / Brainstorming Session (1)
	16:15	Jan Theeuwes Institute Brain and Behavior Amsterdam (iBBA), Vrije Universiteit, Amsterdam, The Netherlands What to expect when you are not expecting it: How implicit regularities drive attentional selection
	16:50	Individual meetings with RUB scientists



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April	27 th	-	Morning
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Session 2	9:15	Microcircuit control of sensory information processing and behavior
	9:20	Sage Boettcher Department of Experimental Psychology, University of Oxford, UK Memory in action: Action plans are encoded early into working memory
	9:55	David Burr Department of Neuroscience, Psychology, Pharmacology and Child Health, University of Florence, Italy Predictive perception: serial dependence, optimality and neural oscillations
	10:30	Coffee break / Poster Session / Brainstorming Session (2)
	11:25	Jennifer Raymond Department of Neurobiology, School of Medicine, Stanford University, USA

Learning and meta-learning rules in the cerebellum

12:00 Lunch break





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April 27 th - Afternoon				
Session 3	13:10	Neuromodulation of sensory processing and cognition		
	13:15	Daniel Senkowski Clinical Neuropsychology, Department of Psychiatry and Psychotherapy, Charité – Universitätsmedizin; Berlin, Germany Neural signatures of crossmodal illusions and multisensory integration		
	13:50	Coffee break / Brainstorming Session (3)		
	14:40	Oxana Eschenko Department Computational Neuroscience, Max Planck Institute for Biological Cybernetics, Tübingen, Germany The locus coeruleus saliency signaling affects sensory perception by increasing arousal		
	15:15	Friedhelm Hummel Clinical Neuroengineering, Brain Mind Institute, Institute of Technology EPFL, Geneva, Switzerland Non-invasive brain stimulation to enhance motor skill acquisition in healthy older and stroke patients		

16:00 **FAREWELL** – end of conference



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