SFB 874

“Integration and Representation of Sensory Processes”

Wednesday, September 7th

Arcadeon – Haus der Wissenschaft und Weiterbildung in Hagen

9:00		Opening by the speaker, SFB update	
		Subsequently for all projects: 15 min presentation / plus 5 min discussion time	
9:15	**A1**	**Tegenthoff**	How does visual perceptual learning interact with plastic changes and excitability in human visual cortex?
9:35	**A2**	**Eysel / Jancke**	Stability and plasticity of activity and specificity maps in early visual cortex
9:55	**A5**	**Dinse**	Cortical and behavioural correlates of training-based and passive stimulation induced tactile learning: bottom-up vs. top-down modulation
10:15	**Coffee break**		
11:15	**A8**	**Schmidt-Wilcke**	Investigation of cortical plasticity that underlies the transition between perceptual and semantic learning in the human brain
11:35	**A9**	**Krieger**	Investigation of cortico-subcortical dynamics in sensorimotor integration
11:55	**B1**	**Manahan-Vaughan**	How do sensory systems interact with the hippocampus in the formation of hippocampal synaptic plasticity and spatial memory?
12:15	**B2**	**Cheng**	Theory of the interplay between sensory cortices and hippocampus in memory formation and retrieval
12:35	**B3**	**Wiskott /** Manahan-Vaughan	Sensory integration of place and head-direction cells in a virtual environment
12:55	**Lunch break**		
14:30	**B4**	**Wolf**	Memories of a stressful episode: A special role for olfactory cues?
14:50	**B5**	**Pusch (Güntürkün)**	The Emergence of Perceptual Categories at Forebrain Level
15:10	**B8**	**Suchan**	Integration of sensory and memory processing in the human medial temporal lobe
15:30	**B9**	**Sauvage**	Medial temporal lobe structures underlying sensory information processing during memory retrieval
15:50	**Coffee break**		
16:40	**B10**	**Herlitze /** Manahan-Vaughan	Cerebellar-Hippocampal regulation of sensory information processing and cognition
17:00	**B11**	**Axmacher**	Shaping of object representations by cognitive and emotional factors
17:20		**Pleger**	Predictive coding for tactile detection and tactile learning
17:40		**Masseck**	How does Serotonin regulate information processing within the Hippocampus?
18:00		**Klaes**	Advanced Cortical Neuroprosthesis for Tetraplegic Patients