

## Simulation Lab Neuroscience – BFSD

Opening Event, 14-15 January 2013, Forschungszentrum Jülich, JSC (Bldg. 16.4)

### Program

#### Day 1 – 14/1/2013

Time	Venue	Talk/Event	Speaker
12:30 – 13:30	Foyer	<i>Registration/ Lunch buffet</i> <b>Session Chair: Th. Lippert</b>	
13:30 – 13:45	Rotunda	Welcome	S. Schmidt (BoD, FZ Jülich)
13:45 – 14:15	Rotunda	Towards a realistic model of the human brain – how to meet the challenge?	K. Amunts (Director, INM-1)
14:15 – 14:30	Rotunda	Computational Neuroscience – the legacy of Helmholtz and Bernstein	A. Herz (Speaker, Bernstein Project Committee)
14:30 – 14:45	Rotunda	The Bernstein Network: A large-scale initiative to boost computational approaches to brain function	S. Cardoso de Oliveira (Head, Bernstein Coordination Site)
14:45 – 15:00	Rotunda	The Bernstein Network Computational Neuroscience	<i>Tba</i> (BMBF)
15:00 – 15:30	Foyer	<i>Coffee break</i> <b>Session Chair: K. Amunts</b>	
15:30 – 16:00	Rotunda	Simulation Laboratories	Th. Lippert (Director, JSC & JARA-HPC)
16:00 – 16:30	Rotunda	Simulation Lab Neuroscience – BFSD	A. Morrison (Head, SLNS)
16:30 – 17:15	Rotunda	Brain mapping: The shotgun marriage of neuroscience and computer science	A. Evans (McGill University)
17:15 – 18:00	Machine room	Guided tour	N. Attig, K. Wolkersdorfer (JSC)
18:00 – 20:30	GRS, Foyer	<i>Reception</i>	

## Day 2 – 15/1/2013

<b>Time</b>	<b>Venue</b>	<b>Talk/Event</b>	<b>Speaker</b>
		<b><i>Session chair: A. Morrison</i></b>	
09:00 – 09:45	Rotunda	Supercomputer simulations of detailed and abstract neural network models	A. Lansner (KTH Stockholm)
09:45 – 10:30	Rotunda	Achievements and challenges of brain inspired computing	K. Meier (University of Heidelberg)
10:30 – 11:00	Foyer	<i>Coffee break</i>	
11:00 – 11:45	Rotunda	Why brain architecture matters for simulating brain dynamics and function	C. Hilgetag (Jacobs University Bremen)
11:45 – 12:30	Rotunda	Brain visualization - recent developments and future challenges	T. Kuhlen (RWTH Aachen University)
12:30 – 12:40	Rotunda	Closing remarks	Th. Lippert (Director, JSC & JARA-HPC)
12:40 – 13:30	Foyer	<i>Lunch buffet</i>	

Tba = To be announced.