

## **Preliminary program: SPP Workshop**

### **Title: Analysis and Modulation of Brain Networks**

**Time:** 23.-25. October 2015

**Venue:** University Medical Center Hamburg-Eppendorf (UKE)  
Hamburg, Germany  
N55 (Campus Lehre), room 310/11 on the UKE-Campus

**Organizers:** Andreas K. Engel, Christoph S. Herrmann, Guido Nolte, Christian Gerloff, Ileana Hanganu-Opatz, Sina A. Trautmann-Lengsfeld

**Funded by:** SPP1665 (<http://www.spp1665.de/>) and SFB936 (<http://www.sfb936.net/>)

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### **Thursday, October 22<sup>nd</sup>, 2015**

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Starting 19:00 h      Arrival

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### **Friday, October 23<sup>rd</sup>, 2015**

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09.00 – 10.00 h	Lecture 1: Intrinsic Coupling modes in humans / animals	Andreas K. Engel
10.00 – 10.30 h	<i>Coffee break</i>	
10.30 – 11.30 h	Lecture 2: tACS in humans	Christoph S. Herrmann
11.30 – 12.30 h	Lecture 3: tACS and plasticity in humans / animals	Lisa Marshall
12.30 – 13.30 h	<i>Lunch</i>	
13.30 – 14.15 h	Introduction tutorial 1: tACS	Johannes Voskuhl
14.15 – 15.45 h	Hands-on session 2– part 1 (on human MEG and tACS-data, artifact correction)	Tuomas Mutanen
15.45 – 16.15 h	<i>Coffee break</i>	
16.15 – 17.45 h	Hands-on session 2– part 2 (on human tACSdata, MEG, beamformer)	Philipp Ruhnau
17.45 – 18.15 h	Wrap-up of the day	

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### **Saturday, October 24<sup>th</sup>, 2015**

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09.00 – 10.00 h	Lecture 4: CTC, bottom-up/top-down coupling	P. Fries
10.00 – 10.30 h	<i>Coffee break</i>	
10.30 – 11.30 h	Lecture 5: MEG and coupling	M. Wibral
11.30 – 12.30 h	Time for discussion	

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12.30 – 13.30 h	<i>Lunch</i>	
13.30 – 14.15 h	Introduction tutorial 2: coupling analyses incl. CFC	G. Nolte
14.15 – 15.45 h	Hands-on session 1– part 1 (simulated data, CFC)	G. Nolte, A. Ewald (pending)
15.45 – 16.15 h	<i>Coffee break</i>	
16.15 – 17.45 h	Hands-on session 1– part 2 (simulated data, CFC)	G. Nolte, A. Ewald
17.45 – 18.15 h	Wrap-up of the day	N.N.
19:30	Get together	All participants and speakers

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### **Sunday, October 25<sup>th</sup>, 2015**

09.00 – 09.45 h	Lecture 6: optogenetics	Peter Hegemann
09.45 – 10.30 h	Hands-on session 2– part 1 (animal data)	Joachim Ahlbeck
10.30 – 11.00 h	<i>Coffee break</i>	
11.00 – 12.30 h	Hands-on session 2– part 2 (animal data)	N.N.
12.30 – 13.15 h	Wrap-up of the weekend	N.N.

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