

## AGENDA

### **Multimodal approaches in experimental psychology and clinical neuroscience and psychiatry: bringing together research groups from Bavaria and São Paulo**

**(FAPESP/BAYLAT GRANT 2017/50223-7)**

#### **Coordinators**

**Prof. Dr. Andre Russowsky Brunoni (São Paulo)**

**Prof. Dr. Frank Padberg (Munich)**

The workshops dates are:

- 20.11.2018 to 23.11.2018 (São Paulo). The lectures and discussion will focus on “*Clinical Avenues*”
- 27.03.2019 to 31.03.2019 (München/Erlangen). The broad topic will be “*Probing the Brain*”

## **SÃO PAULO PROGRAM**

### **20.11.2018 – Tuesday – Day 1**

Arrival of the Bavarian group in São Paulo. Informal dinner at local restaurant.

### **21.11.2018 – Wednesday – Day 2 @ Institute of Psychiatry, HC-FMUSP, São Paulo**

**8h30-8h45:** Opening session and welcome address.

**8h45-10h: Keynote lectures of Prof. Andre Brunoni, Prof. Frank Padberg and Prof. Wagner Gattaz**

- Transcranial direct current stimulation for depression: what should we expect? (**ARB**);
- From Kraepelin to biomarkers: classic and novel trends of psychiatric diagnoses (**WG**);
- Developing stepped care therapies: Where brain stimulation meets clinical needs (**FP**)

**10h-10h15:** Coffee break.

**10h15-12h:** Lectures of faculty from USP and São Paulo state researchers (to be defined)

**12h-13h30:** Lunch at Medical School.

**13h-16h:** Lectures of faculty from USP and São Paulo state researcher (to be defined)

**16h-16h15:** Coffee break.

**16h15-17h30:** Discussion of research opportunities in São Paulo (funding possibilities and perspectives) – directors from FAPESP and USP exchange programs will be invited.

**19h30: Speed networking and dinner:** speed networking is a derivative of the speed dating format and involves multiple interactions between early researchers, PhD students, coordinators and mentors in a short period of time.

**22.11.2018 – Thursday – Day 3 @ Institute of Psychology, University of São Paulo, São Paulo**

**10h-12h:** Visit to the Vision Lab at the Institute of Psychology, University of São Paulo.

**12h-13h30: Lunch**

**13h30-15h: Keynote lectures of Prof. Dora Ventura, Prof. Paul Sauseng and Prof Jan Kremers**

- A force task to assess the impact on the visual, motor and cognitive development of babies exposed to the Zika virus (**DV**);
- Phase synchronization of oscillatory brain activity as a marker of normal and abnormal cognition (**PS**);
- Clinical psychophysics and electrophysiology as tools for early diagnosis of neurological diseases that impact the visual system (**JK**);

**15h-15h15:** Coffee break.

**15h15-17h15:** *Data blitz section III* – 10 8-min presentations + 4-min Q&A of the Bavarian researchers

**19h30: Dinner.**

**23.11.2018 – Friday – Day 4 @ Institute of Psychiatry, HC-FMUSP, São Paulo**

**10h-11h30:** visit to the research facilities of Non-Invasive Brain Stimulation and Electroconvulsive therapy services, and the Laboratory of Neurosciences (LIM-27).

**11h30-13h30:** Workshop/breakout sessions. Students will be organized in 4 to 6 groups according to research affinity. Moderators for each group will be mentors / coordinators or senior researchers. Snacks will be provided.

**13h30-15h:** presentation and discussion of workshop results, outline of next steps, definition of joint grant programs and definition of joint projects. Timeline for future milestones.

**15h-16h:** Closing remarks and planning for the 2<sup>nd</sup> workshop in Bavaria.

**Night:** Departure of the Bavarian group to Germany.

# MÜNCHEN/ERLANGEN PROGRAM

## 27.3.2019 – Wednesday – Day 1

Arrival of the São Paulo group in Munich. Informal dinner at local restaurant.

## 28.3.2019 – Wednesday – Day 1 @ Dept. of Psychiatry and Psychotherapy, LMU Munich, Munich

**8h30-8h45:** Opening session and welcome address.

**8h45-10h: Keynote lectures of Prof. Andre Brunoni, Prof. Frank Padberg and Prof. Wagner Gattaz**

- Neuroimaging predictors of brain stimulation in mood disorders (**ARB**);
- The Brazilian Institute of “Biological Markers in Psychiatry”: discovering predictors of response for an individualized treatment (**WG**);
- Translational research on non-invasive brain stimulation: lessons from the German Center of Brain Stimulation (**FP**)

**10h-10h15:** Coffee break.

**10h15-12h:** Lectures of faculty from LMU and Bavarian state researchers (to be defined)

**12h-13h30:** Lunch.

**13h-15h:** Lectures of faculty from LMU and Bavarian state researcher (to be defined)

**15h-16h:** *Data Blitz sections 1 – 5* 8-min presentations + 4-min Q&A of the São Paulo state researchers

**16h-19h:** Departure to Erlangen.

**20h:** Dinner in Erlangen.

## 29.3.2019 – Thursday – Day 2 @ Department of Ophthalmology, FAU Nuremberg-Erlangen, Erlangen

**9h – 10h:** Discussion of research opportunities in Erlangen (funding possibilities and perspectives) – directors from BAYLAT, FAO AND LMU exchange programs will be invited.

**10h-11h15: Keynote lectures of Prof. Dora Ventura, Prof. Paul Sauseng and Prof Jan Kremers**

- EEG-phase dependent neurostimulation: a tool for probing cognitive control? (**PS**);
- What does the pupil tell you about the brain? Probing the brain through the pupil. (**DV**);

- Using electroretinography to diagnose eye and brain disorders (**JK**).

**11h15-11h50:** Visit to the research facilities of Prof. Jan Kremers.

**12h-13h30:** Lunch at Local Restaurant.

**13h-15h:** Lectures of faculty from LMU and Bavarian state researchers (to be defined)

**15h-16h:** *Data Blitz sections I* – 5 8-min presentations + 4-min Q&A of the São Paulo state researchers

**16h-19h:** Departure to Munich.

**20h:** Dinner in Munich.

**30.3.2019 – Friday – Day 3 @ Dept. of Psychiatry and Psychotherapy, LMU Munich, Munich**

**9h-11h:** 100 years neuroscience research in psychiatry: visit to Emil Kraepelin's hospital, Alois Alzheimer's lab and the current research facilities of the Dept. of Psychiatry and Psychotherapy, LMU.

**11h30-13h30:** Workshop/breakout sessions. Students will be organized in 4 to 6 groups according to research affinity. Moderators for each group will be mentors / coordinators or senior researchers. Snacks will be provided.

**13h30-15h:** presentation and discussion of workshop results.

**15h-16h:** Closing remarks.

**Night:** Departure of the São Paulo group to Brazil.