

CURRICULUM VITAE

Date of birth: February 3, 1993
Place of birth: Klaipėda, Lithuania
Citizenship: Lithuanian
Current residence: Copenhagen, Denmark

EDUCATION

- 2016/09/01 – 2018/06/26 **Master of Neurobiology**, *Magnum Cum laude*, Vilnius University, Lithuania
- Master's thesis: "*Application of fNIRS for Diagnosing Major Depressive Disorder and Evaluating Treatment Effectiveness of Transcranial Magnetic Stimulation*".
 - GPA = 3.92
- 2012/09/01 - 2016/06/23 **Bachelor of Biophysics**, Vilnius University, Lithuania
- Bachelor's thesis: "*Design and Application of Optoelectrical NIRS System for Measuring Cytochrome c Oxidase Redox State During Frontal Lobe Activity of the Brain*".
 - GPA = 3.36
- 2012/07 **High School Degree** (Klaipėda Žemyna Gymnasium, Klaipėda, Lithuania).

PROFESSIONAL EXPERIENCE/RESEARCH

- 2021/12/01-
Present **PhD student at Danish Research Centre for Magnetic Resonance**
Precision-BCT depression and ADAPT-PD Parkinson's research projects at Danish Research Centre for Magnetic Resonance, Hvidovre Hospital, Denmark
- 2020/12/01 –
2021-11-30 **Research Assistant at Danish Research Centre for Magnetic Resonance**
Precision-BCT depression research project at Danish Research Centre for Magnetic Resonance, Hvidovre Hospital, Denmark
- 2018/09/03 –
2019/02/02 **Erasmus+ internship**
Department of Psychiatry and Medical Psychology, Ghent University, Belgium
- Project topic: "*Resting state frontocingular functional connectivity and iTBS response to stress in healthy volunteers*".
 - fMRI data preprocessing and analysis, resting state functional connectivity correlation analysis, fMRI safety courses.
- 2017/02/01 –
2017/09/01 **Erasmus+ internship**
Department of Experimental Psychology, Ghent University, Belgium
- Project topic: "*The link between brain asymmetries and handedness in spatial processing: fNIRS study*".
 - Literature research, preparation of experiment protocol, fNIRS study of 47 participants, data analysis, statistical analysis, writing an article. Attendance of various seminars, weekly group meetings.
- 2015/07 ➤ Practical work in Vilnius University Hospital, Santaros clinic: EEG and ERP, experiments using transcranial Doppler device, ultrasonography on the carotid arteries and peripheral nervous system.

PUBLICATIONS/CONFERENCES

- 2020 ➤ Individual resting state frontocingular functional connectivity predicts the iTBS response to stress in healthy female volunteers by De Wandel, Linde; Pulpulos, Matias; Labanauskas, Vytautas; De Witte, Sara; Vanderhasselt, Marie-Anne; Baeken, Chris. **Accepted for publication in Human Brain Mapping on 2020/08/17**. Article ID: HBM25193; Article DOI: 10.1002/hbm.25193

- “Application of fNIRS for Diagnosing Major Depressive Disorder and Evaluating Treatment Effectiveness of Transcranial Magnetic Stimulation” fNIRS2018 conference in Tokyo.
- 2018 ➤ **9th Lithuanian Neuroscience Conference.** Two poster presentations:
 “Application of fNIRS for Diagnosing Major Depressive Disorder and Evaluating Treatment Effectiveness of Transcranial Magnetic Stimulation” **The winner of the 3rd place in Best Poster Awards.**
 “Lateralization of Parietal Lobes for the Processing of Categorical and Coordinate Spatial Relations in Left and Right Handers: a fNIRS Study”
 The summaries were published in MEDICINA Vol 53, Sup. 2.
- 2017 ➤ **NIRS conference in Lille, France** (presented by the first author)
 Gerrits, R., Labanauskas, V., Vingerhoets, G. & Siugzdaite, R. (2017). *Neural Asymmetry for Processing Categorical and Coordinate Spatial Relations: Can fNIRS Shed a New Light on an Old Question?* 2fNIRS. Lille, 12-13 Oct. 2017
- 2016 ➤ **Virtual instruments in biomedicine 2016.**
 “Investigation of Human Brain Frontal Lobe Activity Using fNIRS Cytochrome c Oxidase Approach”. V.Labanauskas, A. Daktariunas, S. Venclove. Virtual Instruments in Biomedicine, 2016. Klaipėda, international scientific – practical conference, 35-39

SKILLS

Computing

- Python and MatLab (fNIRS and fMRI data pre processing, data analysis; behavioral data analysis);
- Presentation (Neurobehavioral systems), E-Prime, PEBL;

Neuroimaging data analysis and statistics

- Data pre-processing tools: Homer2; CONN; SPM; BrainStorm; EEGLab;
- Statistic tools: SPSS Statistics;

Neuroscience

- Neuroanatomy, physiology, brain functions, anatomical and biological brain changes in mental pathologies; some experience with neuro/electrophysiology.
- Worked with fNIRS, fMRI, MRI, EEG, ERPs and Transcranial Magnetic Stimulation.
- Research projects (protocol preparations, pilot studies, running experiments, data analysis) and article writing;

Other

- fNIR400, COBI Studio program fNIR Soft and NIRScout products; ImageJ image processing; Origin (OriginLab) and Microsoft Office Suite;
- Course of laboratory animals (2017/09-2018/01); licensed to work with laboratory animals in the EU; 2018-01-25 No. 389.

LANGUAGES

- Lithuanian (native);
- English (highly skilled in both spoken and written English; Bachelor 1st year (2012) English course evaluation – B2; Erasmus + OLS evaluations – C1);
- German, Dutch, Danish and Russian (basics);

REFERENCES

- Prof. Hartwig R. Siebner, Head of Research, Danish Research Centre for Magnetic Resonance (DRCMR), Funktions- og Billeddiagnostisk Enhed (FBE), Amager og Hvidovre Hospital, Region Hovedstaden, Denmark
Hartwig.Roman.Siebner@regionh.dk; <https://www.researchgate.net/profile/Hartwig-Siebner-2>
- Prof. M.D. Chris Baeken, psychiatrist and researcher in the department of Psychiatry and Medical Psychology, Ghent University, Belgium.
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- Post doc Matias Pulpulos, FWO researcher in Ghent University
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- Prof. Osvaldas Rukšėnas, Department of Neurobiology and Biophysics, Bioscience Institute, Vilnius University.
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- Dr. Kastytis Dapšys, Department of Electrophysiological Research and Treatment Methods, Republican Vilnius Psychiatric Hospital.
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