

Halen S. Baker

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Halensbaker@gmail.com (058) 687-7083

EDUCATION

BOSTON UNIVERSITY ; Boston, MA Bachelor of Arts in Neuroscience	January 2015
BOSTON UNIVERSITY- LONDON ; London, England Humanities Program (Ethical and Cultural studies)	Summer 2011
HEBREW UNIVERSITY ; Jerusalem, Israel Master of Science in Medical Neurobiology	Current

EXPERIENCE

Tel Aviv Center for Brain Functions, TASMC/TAU; Tel Aviv, IL April 2015- Jan. 2018
Research Manager

- Administered Transcranial Magnetic Stimulation, Transcranial Direct Current Stimulation and auditory and visual neurofeedback as treatment to patients with chronic pain in the Non-invasive Neuromodulation Clinic at Ichilov Hospital
- Actively involved as a researcher on current fMRI research on emotions and ADHD using EEG, Transcranial Direct Current Stimulation and deep Transcranial Magnetic Stimulation (publication in preparation)
- Selected and orchestrated grant proposals to fund approximately 40 lab researchers
- Oversaw administrative duties for multi-national research projects
- Planned and executed an international conference on the field of neurofeedback held at Tel Aviv University
- Successfully collaborated with industry partners to develop medical products

Psychiatry Neuroimaging Laboratory, Harvard Medical School; Boston, MA May 2013- Sept. 2014
Research Assistant

- Conducted lab research on white matter differences in controls and patients with Velo-Cardio-Facial Syndrome using Diffusion Tensor Imaging techniques
- Performed tractography on the Slicer 4 system to identify variances in myelination
- Successfully collaborated with a principal investigator to develop a reliable protocol
- Utilized a statistical program (SPSS) to interpret and aggregate data
- Performed neuro-psychiatric testing on individuals with brain trauma
- Executed administrative duties for the laboratory

RESEARCH PRESENTATIONS

- Harvard Medical School's Mysell Conference: Boston, MA, USA (2014)
- 10th Annual International Imaging Genetics Conference: Irvine, CA, USA (2014)
- Talk 2UR Brain: Advances in Neurofeedback Research and Practice: Tel Aviv, IL (2015)
- Current Advances in Brain Stimulation and Neurofeedback: Tel Aviv, IL (2016)
- NYC Neuromodulation 2017: New York, NY, USA (2017)
- Israel Society for Biological Psychiatry Annual Meeting: Kfar Blum, IL (2017)
- Conference on Cognitive Improvement: Ramat Gan, IL (2017)
- Organization for Human Brain Mapping Annual Meeting: Vancouver, CA (2017)
- Israeli Society for Neuroscience Annual Meeting: Eilat, IL (2019)