CURRICULUM VITEA:

PERSONAL INFORMATION

Family name, First name: Marmor levine, Odeya
ORCID identifier: 0000-0002-0290-5888
Date of birth: 06/12/1983

EDUCATION

- 10/2011-02/2019: The Hebrew University of Jerusalem, Israel, Medical Neurobiology, Prof. Hagai Bergman.
- 10/2005 –03/2008 - The Hebrew University of Jerusalem, Israel, MSc.Med student Prof. Hagai Bergman
- 10/2002 -11/2005 - The Hebrew University of Jerusalem, Israel, BSc.Med student

AWARDS

- Dean's list, Medical Sciences, Hebrew University of Jerusalem, 2001

TEACHING ACTIVITIES

- 10/2011-10/2018-The Hebrew University of Jerusalem, Israel, teaching assistant, physiology for medical students
- 10/2005-10/2006 - The Hebrew University of Jerusalem, Israel, teaching assistant neuroanatomy for medical students

CLINICAL EXPERIENCE

- 11/2013 -09/2018 - Tel Hashomer Medical center, part time position, Electrophysiology in Deep Brain Stimulation (DBS) surgeries
- 11/2012-11/2015 - Tel Aviv Sourasky Medical Center, part time position, Intraoperative Electro-physiological monitoring
- 12/2007-10/2011 - Tel Aviv Sourasky Medical Center, Israel, full time position, Intraoperative Electro-physiological monitoring.

COMMUNITY SERVICE

- 09/2001-09/2002- National service, special education.

MATERNITY LEAVE

- 07/2018 - 11/2018 - Maternity leave
- 07/2016 - 01/2017 - Maternity leave
- 09/2013 - 03/2014 - Maternity leave
- 01/2011 - 05/2011 - Maternity leave
- 07/2007 - 12/2007 - Maternity leave

PEER REVIEWED PAPERS

- ***Marmor O****, Rapple P, Valsky D, Bick A, Arkadir D, Tamir I, Bergman H, Israel Z, Eitan R* (2018). Movement context modulates neuronal activity in motor and limbic-associative domains of the human subthalamic nucleus. ***BioRxiv*** BIORXIV/**2018/392936** *(allowed for resubmission to Neurobiology of disease)*
- *Rappel P*, **Marmor O****, *Bick A, Arkadir D, Linetsky E, Catrioto A, Tamir I, Freedman S, Mevorach T, Bergman H , Israel Z, Eitan, R.* (2018). Subthalamic Theta Activity: A Novel Human Subcortical Biomarker for Obsessive Compulsive Disorder. ***Trans Psychiatry*** 8(1):118. *with equal contribution

- ***Marmor O**, Valsky D, Joshua M, Bick AS, Arkadir D, Tamir I, Bergman H, Israel Z, Eitan R (2017).* Local vs. volume conductance activity of field potentials in the human subthalamic nucleus. ***J Neurophysiol***. 117(6):2140-2151
- *Shamir RR, Duchin Y, Kim J, Patriat R, **Marmor O**, Bergman H, Vitek JL, Sapiro G, Bick A, Eliahou R, Eitan R, Israel Z, Harel N*. (2018) Recordings Validate the Clinical Visualization of Subthalamic-Nucleus Based on 7T Magnetic Resonance Imaging and Machine Learning for Deep Brain Stimulation Surgery. Neurosurgery. doi: 10.1093/neuros/nyy212
- *Tamir I, **Marmor-Levin O**, Eitan R, Bergman H, Israel Z* (2017). Posterolateral Trajectories Favor a Longer Motor Domain in Subthalamic Nucleus Deep Brain Stimulation for Parkinson Disease. ***World Neurosurg.*** 106:450-461
- *Valsky D, **Marmor-Levin O**, Deffains M, Eitan R, Blackwell KT, Bergman H, Israel Z* (2017)Stop! border ahead: Automatic detection of subthalamic exit during deep brain stimulation surgery. ***Mov Disord.*** 32(1):70-79
- *Castrioto A, **Marmor O**, Deffains M, Willner D, Linetsky E, Bergman H, Israel Z, Eitan R, Arkadir D (2016). Anesthesia reduces discharge rates in the human pallidum without changing the discharge rate ratio between pallidal segments.* ***Eur J Neurosci.*** 44(11):2909-2913
- *Ramirez de Noriega F, Eitan R, **Marmor O**, Lavi A, Linetzky E, Bergman H, Israel Z (2015). Constant Current versus Constant Voltage Subthalamic Nucleus Deep Brain Stimulation in Parkinson's Disease.* ***Stereotact Funct Neurosurg.*** 93(2):114-121
- *Adler A, Joshua M, Rivlin-Etzion M, Mitelman R, **Marmor O**, Prut Y, Bergman H.*(2010) Neurons in both pallidal segments change their firing properties similarly prior to closure of the eyes. ***Neurophysiol.*** 103(1):346-59
- *Rivlin-Etzion M, **Marmor O**, Saban G, Rosin B, Haber SN, Vaadia E, Prut Y, Bergman H.(2008)* Low-pass filter properties of basal ganglia cortical muscle loops in the normal and MPTP primate model of parkinsonism. ***J Neurosci.*** 28(3):633-49
- *Joshua M1, Elias S, **Levine O**, Bergman H.(2007)* Quantifying the isolation quality of extracellularly recorded action potentials*.* ***J Neurosci Methods.*** 163(2):267-82
- *Rivlin-Etzion M, **Marmor O**, Heimer G, Raz A, Nini A, Bergman H*. (2006) Basal ganglia oscillations and pathophysiology of movement disorders. ***Curr Opin Neurobiol.*** 6(6):629-37

ABSTRACTS IN SCIENTIFIC MEETINGS

- IBAGS 2013

SCIENTIFIC CONFERENCES

- IBAGS 2013
- INA 2016- international neuropsychiatric association.
- International workshop on the computational properties of basal ganglia neurons
- Passwell meeting 2018- Weizmann.

SEMINARS

- Marmor O. (2018). "Movement context modulates neuronal activity at motor and limbic-associative domains of the human subthalamic nucleus in Parkinson's disease patients". Medical Neurobiology Department, Hebrew University**.** November 1.

PATENT APPLICATION

- FOR:700X, Tripolar Electrode, collaboration with Alpha Omega Company.