



Forschungskooperation „Niedersachsen – Israel“ / Ausschreibung Bio- und Lebenswissenschaften, Medizin 2018/2019

	Antragsteller/Mitantragsteller Institution	Projekttitle	Budget (EUR)
1	Prof. Dr. Silvio Rizzoli, Universitätsmedizin Göttingen Prof. Dr. Inna Slutsky, Tel Aviv University	The role of mitochondrial and ER Ca ²⁺ stores in the homeostasis of hippocampal circuits and its failures in Alzheimer's disease	300.000
2	Prof. Dr. Teresa Carlomagno, Universität Hannover Prof. Serge Ankri, Technion-Israel Institute of Technology	Molecular and Structural Characterization of Entamoeba histolytica tRNA-guanine transglycosylase. An integrated study using structural biology and physiology	300.000
3	Prof. Dr. Nils Brose, Max-Planck-Institut für experimentelle Medizin, Göttingen Dr. Camin Dean, Ph.D., European Neuroscience Institute, Göttingen Prof. Noam Ziv, Ph.D., Technion-Israel Institute of Technology	The cell biology of forgetting: Spontaneous synaptic remodeling and its relationship to memory retention and decay	300.000
4	Prof. Dr. Jacob Piehler, Universität Osnabrück Prof. Dr. Gideon Schreiber The Weizmann Institute of Science	Spatiotemporal regulation of differential type I Interferon signaling in a multicellular context	300.000
5	Prof. Dr. André Fiala, Universität Göttingen Oren Schuldiner, Ph.D., The Weizmann Institute of Science	Development, remodeling and plasticity of a brain circuit - The Drosophila mushroom body as a comprehensive study case	300.000

6	Prof. Dr. Andrea Antal, Universitätsmedizin Göttingen Prof. Michal Lavidor, Ph.D., Bar Ilan University	Means to improve cognition in healthy elderly and patients with mild cognitive impairment - from training to non-invasive brain stimulation	300.000
7	Prof. Dr. Denise Hilfiker-Kleiner, Ph.D., Dr. Melanie Ricke-Hoch Medizinische Hochschule Hannover Prof. Ofer Binah, Ph.D., Prof. Eyal Gottlieb, Ph.D. Technion-Israel Institute of Technology	Genetic forms of peripartum heart failure: an iPSC-based approach to identify underlying pathomechanisms and development of corresponding preclinical mouse models	300.000
8	Prof. Dr. Blanche Schwappach, Universitätsmedizin Göttingen Prof. Jeffrey Gerst, The Weizmann Institute of Science	Coatomer biogenesis: Role of mRNA trafficking and localization in COPI subunit assembly and complex formation	300.000
9	Prof. Dr. Michael Hensel, Universität Osnabrück Prof. Dr. Guntram Grassl, Medizinische Hochschule Hannover Prof. Dr. Ohad Gal-Mor, Sheba Medical Center at Tel-Hashomer (Tel Aviv University)	New strategies to prevent host cells infection by Salmonella enterica using bioactive non-antibiotic compounds	290.500
10	Dr. Andre Wegner, Technische Universität Braunschweig Dr. Yoav Shaul, Ph.D., Hebrew-University-Hadassah Medical School	Nucleotide biosynthesis remodeling as a hallmark of tumor aggressiveness	299.700
11	Prof. Dr. André Fleißner, Technische Universität Braunschweig Prof. Dr. Oded Yarden, The Hebrew University of Jerusalem	Go Your Own Way: The role of mRNA localization in the directed growth of filamentous fungi	300.000

12	Dr. Sven Dennerlein, Prof. Dr. Peter Rehling Universitätsmedizin Göttingen Prof. Dr. Michael Glickman, Technion-Israel Institute of Technology	Role of UPS in the assembly of functional OXPHOS complexes	300.000
13	Dr. Jens Boy, Dr. Leopold Sauheiti, Prof. Dr. Georg Guggenberger, Universität Hannover Dr. Gil Eshel, Ph.D., Agricultural Research Organization, Rishon LeZion Prof. Dr. Yosef Steinberger, D. Phil Bar Ilan University	Functional complexity of organisms determines long-term pedogenesis	300.000
14	Prof. Dr. Immo Prinz, Medizinische Hochschule Hannover Prof. Dr. Avi-Hai Hovav, Hebrew-University-Hadassah Medical School	Exploring the mutual regulation of gamma-delta T cells and the oral microbiota.	300.000
15	Prof. Dr. André Fischer, Universität Göttingen Prof. Dr. Kobi Rosenblum, University of Haifa	The role of m6A RNA-methylation in linking histone-modifications and mRNA translation in brain disease and cognitive function	293.000