November 12, 2021

Letter of Cooperation

I am writing to convey my enthusiastic commitment to the research described in our proposal entitled “**Social communication in complex environments**”. I am excited to collaborate on the proposed research with Dr. Talmo Pereira, from the Salk Institute.

Dr. Pereira has recently developed tools for tracking individual body parts of multiple animals that are engaged in social interactions. These tools have already been implemented in multiple studies, including a recent study in which I collaborated with Dr. Pereira as part of my post-doctoral research at the Princeton Neuroscience Institute. Currently, the Pereira Laboratory is further developing these tools, to allow the tracking of more individuals for extended periods with fewer identity flips.

These tools are critical to my future work, in which I aim to determine the neural basis of social communication in complex environments, in settings that include multiple individuals and non-homogenous backgrounds.

Together, the experiments outlined in our proposal, along with the computational approaches for tracking and analyzing these multidimensional and complex datasets, will advance our understanding of how social communication is modulated by social and non-social environmental factors.

The intensive collaboration that Dr. Pereira and I propose will be critical to progress on these topics, combining the novel experimental settings that will be built in the Deutsch Laboratory with the advanced computational tools developed at the Pereia Laboratory.

I am greatly looking forward to conducting exciting collaborative science with Dr. Pereira, with the generous support of the United States–Israel Binational Science Foundation.

Sincerely,



David Deutsch, Ph.D

Sagol Department of Neurobiology

University of Haifa, Israel