The Picower Institute
for learning and memory

Earl K. Miller, Ph.D.
Picower Professor of Neuroscience
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

October 16, 2019

To Whom It May Concern:

As part of our collaboration, I am happy to share data from my published monkey electrophysiology studies with Professor Love. My single-unit recording data should complement other proposed analyses involving MEG and fMRI data. Already, Professor Love's lab is working with data from DOI: 10.1126/science.aab0551. I hope these extensive, high-quality datasets help answer foundational questions concerning learning, decision, and attentional processes.

Sincerely,

Picower Professor of Neuroscience
The Picower Institute for Learning and Memory
Department of Brain and Cognitive Sciences
Massachusetts Institute of Technology

Massachusetts Institute of Technology
77 Massachusetts Ave, Cambridge, MA 02139
617-252-1584 fax: 617-258-7978 ekmiller@mit.edu www.ekmiller.org

DEPARTMENT OF HEALTH & HUMAN SERVICES

MAX PLANCK INSTITUTE FOR HUMAN COGNITIVE AND BRAIN SCIENCES
DEPARTMENT OF NEUROLOGY

Dr. Chris Baker
Laboratory of Brain and Cognition
National Institute of Mental Health
10 Center Drive
Building 10 RM4C216
Bethesda, MD 20814, USA
bakerchris@mail.nih.gov

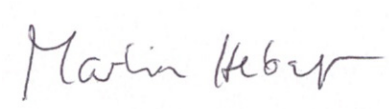
Dr. Martin Hebart
Vision and Computational Cognition Group
Max Planck Institute for Human Cognitive and Brain Sciences
Stephanstraße 1a
04103 Leipzig, Germany
hebart@cbs.mpg.de

To Whom It May Concern:

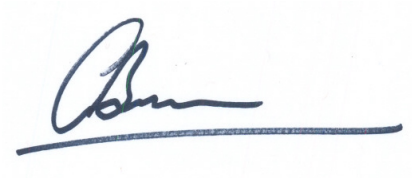
We are happy to make a unique large-scale neuroimaging dataset available to Prof. Bradley Love's laboratory, by December 1st 2020 at the latest. In early 2019, we compiled the THINGS database of naturalistic object images containing 26,107 images of 1,854 object concepts (doi.org/10.1101/545954). More recently, we have completed data collection for a study using a large number of images from THINGS. In this effort, we collected task fMRI and MEG recordings from a total of 7 participants (3 fMRI, 4 MEG) who completed 12-14 sessions each, amounting to neuroimaging data of roughly 10,000 unique images in fMRI and 23,000 unique images in MEG.

This extensive, high-quality dataset should be useful to researchers interested in how the brain processes visual and semantic information when viewing naturalistic object images. We hope our dataset will help advance the research proposed by Prof. Love.

Sincerely,



Dr. Martin N. Hebart
Group Leader, Vision and Computational Cognition Group
Max Planck Institute of Human Cognitive and Brain Sciences



Dr. Chris I. Baker
Chief, Section on Learning and Plasticity
National Institute of Mental Health (USA)

Professor Frederic Dick
Birkbeck/UCL Centre for NeuroImaging
Malet Street Bloomsbury
London WC1E 7HX
f.dick@bbk.acu.uk, f.dick@ucl.ac.uk

17 October, 2019

Re: MRI for Wellcome Investigator Award, Professor Bradley Love, PI

Dear Brad,

Thank you for filling me in on your exciting research plans for the Wellcome "Mechanisms of goal-directed attention and knowledge organisation" proposal. This project fits very well into the portfolio of research supported by the Birkbeck/UCL Centre for NeuroImaging (BUCNI), and will benefit from a number of technical and MR physics innovations that have been rolled out at BUCNI in the last year.

BUCNI is very happy to support the two long-term imaging studies you propose, and can commit to providing 130 hours of scanning per study at a rate of £580/hr. We will also provide ample pilot scanning hours, as well as full technical and physics support for the duration of the project.

My best wishes for the success of your proposal, and we look forward to working with you on this research.

With best regards,

Frederic Dick

Director, Birkbeck/UCL Centre for NeuroImaging

Professor of Auditory Cognitive Neuroscience
Department of Psychological Sciences, Birkbeck College &
Department of Experimental Psychology, UCL