

## **Allen Brain Observatory**

## **ACKNOWLEDGEMENTS**

The Allen Institute for Brain Science gratefully acknowledges the following contributors for their expertise and assistance with the creation of the Allen Brain Observatory.

## **FUNDING**

We wish to thank the Allen Institute founder, Paul G. Allen, for his vision, encouragement and support.

Early pilot studies were supported by grants from the National Eye Institute and the National Institutes of Health by Award Numbers R01 EY10115 and R01 EY18742 awarded to PI: R. Clay Reid.

The Falconwood Foundation provided a generous donation towards the Allen Brain Observatory in 2017-2018.

## **COLLABORATORS AND OTHER CONTRIBUTORS**

**Mark Andermann, Ph.D.,** Beth Israel Deaconess Medical Center, Harvard Medical School, for providing advice on surgical techniques.

**Silvia Arber, Ph.D.,** Friedrich Miescher Institute for Biomedical Research, for providing the Pvalb-IRES-Cre mice via the Jackson Laboratory.

**The Berkeley Segmentation Dataset and Benchmark:** Martin, D., Fowlkes, C., Tal, D., Malik, J. (2001) A database of human segmented natural images and its application to evaluating segmentation algorithms and measuring ecological statistics. *Proc. 8th Intl. Conf. Computer Vision*, 2:416-423.

**Matteo Carandini, Ph.D.,** University College London, for providing information and feedback on transgenic line phenotypes.

**Charles Gerfen, Ph.D.**, National Institutes of Health, National Institutes of Mental Health, for providing the Rbp4-Cre\_KL100 mice, Ntsr1-Cre\_GN220 mice, and Tlx3-Cre\_PL56 mice via the MMRRC facility at University of California, Davis and GENSAT.

**Glenn Goldey**, Beth Israel Deaconess Medical Center, Harvard Medical School, for providing advice on surgical techniques.

**Kenneth Harris, Ph.D.,** University College London, for providing information and feedback on transgenic line phenotypes.

**Nathaniel Heintz, Ph.D.,** HHMI, The Rockefeller University, for providing the Rbp4-Cre\_KL100 mice, Ntsr1-Cre\_GN220 mice, and Tlx3-Cre\_PL56 mice via the MMRRC facility at University of California, Davis and GENSAT.

**Z. Josh Huang, Ph.D.,** Cold Spring Harbor Laboratory, for providing the Sst-IRES-Cre and Vip-IRES-Cre mice via the Jackson Laboratory and NIH Neuroscience Blueprint Cre Driver Network, and for providing Fezf2-CreER mice.

The Jackson Laboratory, for providing various transgenic mouse lines (http://jaxmice.jax.org).

**Sean Jewell**, University of Washington, for the event extraction algorithm.

**Kevin Jones, Ph.D.**, University of Colorado, Boulder, for providing the Emx1-IRES-Cre mice via The Jackson Laboratory.

**Douglas Kim, Ph.D.**, Janelia Farm Research Campus, Howard Hughes Medical Institute, for providing GCaMP6s and GCaMP6f.

**Bradford Lowell, M.D., Ph.D.**, Beth Israel Deaconess Medical Center, Harvard Medical School, for providing the Nr5a1-Cre mice via The Jackson Laboratory.

Mark Mayford, Ph.D., The Scripps Research Institute, for providing the Camk2a-tTA mice via The Jackson Laboratory.

**McGill Calibrated Colour Image Database:** Olmos, A., Kingdom, F.A.A. (2004) A biologically inspired algorithm for the recovery of shading and reflectance images. *Perception*, 33: 1463-1473.

**Ulrich Mueller, Ph.D.,** The Scripps Research Institute, for providing Cux2-CreERT2, mice via the MMRRC facility at University of California, Davis and NIH Neuroscience Blueprint Cre Driver Network.

Mutant Mouse Regional Resource Centers (MMRRC) Facility at University of California, Davis and University of Missouri, for providing various Cre mice as listed above (http://www.mmrrc.org/).

**Nicholas A. Steinmetz, Ph.D.**, University College London, for providing information and feedback on transgenic line phenotypes.

**Van Hateren's Natural Image Database:** Van Hateren, J.H, van der Schaaf, A. (1998) Independent component filters of natural images compared with simple cells in primary visual cortex. *Proc. R. Soc. London B*, 265:359-366.

Daniela Witten, Ph.D, University of Washington, for the event extraction algorithm.

**Zugsmith, A. (Producer), & Welles, O. (Director).** (1958) *Touch of evil* [Motion picture]. United States: Universal-International.

We would also like to acknowledge the involvement of students and faculty of the **Summer Workshop on the Dynamic Brain**, for contributions to early-stage data analysis and constructive feedback on experimental design, and Amazon Web Services (AWS) Public Dataset Program for facilitating access to open data.