

ALLEN Developing Mouse Brain Atlas

ACKNOWLEDGEMENTS

The Allen Institute for Brain Science gratefully acknowledges the following contributors for their expertise and generous support for the Allen Developing Mouse Brain Atlas.

FUNDING

We wish to thank the Allen Institute founders, Paul G. Allen and Jody Allen, for their vision, encouragement and support.

ACKNOWLEDGEMENT OF COLLABORATORS

The Allen Institute for Brain Science gratefully acknowledges the following contributors for their expertise and support for the Allen Developing Mouse Brain Atlas.

Richard Baldock, Ph.D., Medical Research Council Human Genetics Unit, UK, for discussions about creating a developmental gene expression database.

Duncan Davidson, Ph.D., Medical Research Council Human Genetics Unit, UK, for discussions about creating a developmental gene expression database.

Gregor Eichele, Ph.D., Max Planck Institute, Germany, for serving on the project advisory council and for providing unpublished information about developmentally expressed genes, functionally interesting gene categories, and protocols for embryonic and postnatal ISH.

Kathryn Fischbach, Ph.D., University of Texas at San Antonio, for providing tissue for an aging pilot.

Lars Geffers, Ph.D., Max Planck Institute, Germany, for providing advice and protocols for embryonic ISH.

Daniel Goldowitz, Ph.D., for providing unpublished information regarding developmental gene expression.

Katy Gollahon, Ph.D., University of Washington, for contributing tissue for an aging pilot.

Josh Huang, Ph.D., Cold Spring Harbor Laboratories, for serving on the project advisory council and advising on the overall project.

Alexandra Joyner, Ph.D., Memorial Sloan-Kettering Cancer Center, for serving on the project advisory council, providing protocols and expertise on genelists and the cerebellum.

Joshua Kaminker, Ph.D., Genentech, for supplying lists of genes from developmentally relevant functional categories.

Jason Long, Ph.D., Genentech (formerly at University of California, San Francisco), for providing advice on protocols for Nissl and ISH.

Salvador Martinez, Ph.D., Neurosciences Institute, Miguel Hernandez University and CSIC, Alicante Spain, for leading a team to manually annotate gene expression from the ISH data. The team included Ana Isabel Pombero Garcia, Raquel Garcia Lopez, and Almudena Martinez Ferre.

Luis Puelles, M.D., Ph.D., University of Murcia, Spain, for serving on the project advisory council, providing neuroanatomical expertise, and for building a novel anatomic ontology and drawing reference atlases across mouse brain development.

Peter Rabinovitch, M.D., Ph.D., University of Washington, for advising on the aging pilot and contributing tissue.

Arlan Richardson, Ph.D., University of Texas Health Science Center at San Antonio, for advising on tissue procurement for an aging pilot.

Jane Roskams, Ph.D., University of British Columbia, for providing advice on the usability and impact of the project, additional consultants to consider, and overall marketability and impact of the atlas.

John L.R. Rubenstein, M.D., Ph.D., University of California, San Francisco, for chairing the project advisory council and giving advice on genes, protocols, and overall scope of the project, and for detailed analysis of the data with members of the Rubenstein lab: Olga Golonzhka, Gabriel McKinsey, Kartik Pattabiraman, and Shanni Silberberg.

Roy Sillitoe, Ph.D., Memorial Sloan-Kettering Cancer Center, for advising on embryonic Nissl protocols.

Joseph S. Takahashi, Ph.D., Northwestern University, for serving on the project advisory council and advising on microarrays and related databases.

Marc Tessier-Lavigne, Ph.D., Genentech, for serving on the project advisory council and providing genelists for important functional categories.

Christina Thaller, Ph.D., Baylor College of Medicine, for advice on ISH protocols.

Phyllis Wise, Ph.D., University of Washington, for serving on the project advisory council and providing input about the relevance of gender and aging to development.