

Matthew D. MacManes, PhD

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Professional Preparation

- 1996 - 1999 **Associate of Science.** Broome Community College. Binghamton, NY. Major: Nursing
- 2002 - 2005 **Bachelor of Science.** The University of Michigan - Ann Arbor. Major: Natural Resources
Minor: Ecology and Evolutionary Biology
- 2005 - 2011 **Doctor of Philosophy.** The University of California - Berkeley. Integrative Biology.
- 2011 - 2013 **Postdoctoral Training.** The University of California, Berkeley. California Institute for Quantitative Biosciences

Appointments

- 2013 - current **Assistant Professor** The University of New Hampshire. Department of Molecular, Cellular & Biomedical Sciences.
- 2013 - current **Faculty Member** Hubbard Center for Genome Studies
- 2011 - 2013 **NIH NRSA Postdoctoral Fellow** UC Berkeley & California Institute for Quantitative Biosciences

Five publications related to the proposed project

- 2014 **M. D. MacManes** On optimal trimming of high-throughput sequence data. *Frontiers in Genetics*. 5:13. <http://dx.doi.org/10.3389/fgene.2014.00013>.
- 2013 Haas, B., A. Papanicolaou, ... , **M. D. MacManes** , ... , N. Friedman, A. Regev. *De novo* transcript sequence reconstruction from RNA-Seq: reference generation and analysis with Trinity. *Nature Protocols*. 8, 1494 - 1512 <http://dx.doi.org/10.1038/nprot.2013.084>.
- 2013 **M. D. MacManes** and M.B. Eisen. Improving transcriptome assembly through error correction of high-throughput sequence reads. *PeerJ*. 1:e113 <http://dx.doi.org/10.7717/peerj.113>.
- 2013 Korf, I., K. Bradham, **M. D. MacManes** and 89 others. Assemblathon 2: genome assembly in three vertebrate species. *GigaScience*. 2:10 <http://dx.doi.org/10.1186/2047-217X-2-10>.
- 2012 **M. D. MacManes** and Eileen A. Lacey. The social brain: Transcriptome assembly and characterization of the hippocampus from a social subterranean rodent, the tuco-tuco (*Ctenomys sociabilis*). *PLOS ONE*. 7(9): e45524 <http://dx.plos.org/10.1371/journal.pone.0045524>.