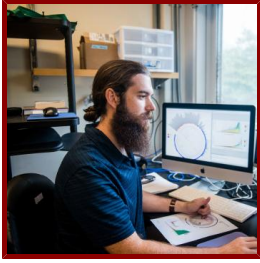# Stanford

Matthew James McCoy

Postdoctoral Scholar, Pathology

Bio

HONORS AND AWARDS

- Interdisciplinary Scholar, Stanford Wu Tsai Neurosciences Institute (2021)
- Whitman Fellow, Marine Biological Laboratory in Woods Hole (2019)
- Grass Fellow in Neuroscience, Marine Biological Laboratory in Woods Hole (2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, MBL Society (2019 - present)

PROFESSIONAL EDUCATION

- Bachelor of Arts, University of Utah (2011)
- Doctor of Philosophy, Washington University (2018)

STANFORD ADVISORS

- Andrew Fire, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **MiR-124 synergism with ELAVL3 enhances target gene expression to promote neuronal maturity.** *Proceedings of the National Academy of Sciences of the United States of America*
  Lu, Y. L., Liu, Y., McCoy, M. J., Yoo, A. S.
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- **An Extensive Meta-Metagenomic Search Identifies SARS-CoV-2-Homologous Sequences in Pangolin Lung Viromes.** *mSphere*
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- **Deconstructing Stepwise Fate Conversion of Human Fibroblasts to Neurons by MicroRNAs.** *Cell stem cell*
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- **Intron and gene size expansion during nervous system evolution.** *BMC genomics*
  McCoy, M. J., Fire, A. Z.
  2020; 21 (1): 360

- **LONGO: an R package for interactive gene length dependent analysis for neuronal identity**
  McCoy, M. J., Paul, A. J., Victor, M. B., Richner, M., Gabel, H. W., Gong, H., Yoo, A. S., Ahn, T.

- **MicroRNAs Induce a Permissive Chromatin Environment that Enables Neuronal Subtype-Specific Reprogramming of Adult Human Fibroblasts** *CELL STEM CELL*
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