Stanford

William Allen

Assistant Professor of Developmental Biology

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Developmental Biology
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

HONORS AND AWARDS

- Career Award at the Scientific Interface, Burroughs-Wellcome Fund (2022-2027)
- Science & SciLifeLab Prize for Young Scientists, Science & SciLifeLab (2020)
- Nemko Prize in Cellular or Molecular Neuroscience, Society for Neuroscience (2019)
- Harold M. Weintraub Graduate Student Award, Fred Hutchinson Cancer Research Center (2019)
- Junior Fellowship, Harvard Society of Fellows (2019-2024)
- Goldwater Scholarship, Goldwater Scholarship (2011-2012)
- Churchill Scholarship, Winston Churchill Foundation of America (2012-2013)
- Graduate Research Fellowship, National Science Foundation (2013-2016)
- Hertz Fellowship, Fannie & John Hertz Foundation (2014-2018)

PROFESSIONAL EDUCATION

- Junior Fellow, Harvard Society of Fellows (2024)
- Ph.D., Stanford University , Neurosciences (2019)
- M.Phil., University of Cambridge , Computational Biology (2013)
- Sc.B., Brown University , Applied Mathematics-Biology (2012)

Teaching

COURSES

2026-27

- Neurogenetics Core: NEPR 213 (Win)

2025-26

- Neuroscience Molecular Core: NEPR 204 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Ying Hu, Stewart Kim, Sophia Mirda, Achuthan Raja Venkatesh

Postdoctoral Faculty Sponsor

Changwan Chen, Andy Katznelson

Doctoral Dissertation Advisor (AC)

Sapeeda Barati, Ashlie Barillas, Thomas Lau, Shae Mclaughlin

Doctoral Dissertation Co-Advisor (AC)

Oswaldo Martinez

Publications

PUBLICATIONS

- **Alteration of genic 5-hydroxymethylcytosine patterning in olfactory neurons correlates with changes in gene expression and cell identity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Colquitt, B. M., Allen, W. E., Barnea, G., Lomvardas, S.
  2013; 110 (36): 14682-14687

- **An epigenetic trap stabilizes singular olfactory receptor expression.** *Cell*
  Lyons, D. B., Allen, W. E., Goh, T., Tsai, L., Barnea, G., Lomvardas, S.
  2013; 154 (2): 325-36

- **An Epigenetic Signature for Monoallelic Olfactory Receptor Expression** *CELL*
  Magklara, A., Yen, A., Colquitt, B. M., Clowney, E. J., Allen, W., Markenscoff-Papadimitriou, E., Evans, Z. A., Kheradpour, P., Mountoufaris, G., Carey, C., Barnea, G., Kellis, M., Lomvardas, et al
  2011; 145 (4): 555-570