

Stanford



Biafra Ahanonu

Ph.D. Student in Biology, admitted Autumn 2012

Bio

HONORS AND AWARDS

- Gates Millennium Scholarship, Bill & Melinda Gates Foundation / UNCF (2008)
- Graduate Research Fellowship, National Science Foundation (NSF) (2012)
- Gilliam Fellowships for Advanced Study, Howard Hughes Medical Institute (2015)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Stanford Human Subjects Institutional Review Board (2015 - present)
- President, Stanford Biosciences Student Association (2016 - 2017)
- CGAP Graduate Student Representative, Stanford Biosciences Committee on Graduate Admissions and Policy (2014 - 2017)

EDUCATION AND CERTIFICATIONS

- B.S., Massachusetts Institute of Technology, Biology & Brain and Cognitive Sciences (2012)

STANFORD ADVISORS

- Mark Schnitzer, Doctoral (Program)

LINKS

- Personal website: <http://bahanonu.com>
- Cheong Lab (Intern): <http://www.tll.org.sg/group-leaders/ian-cheong/>
- Tsai Lab (Undergrad): <http://web.mit.edu/lhtsai/>
- Jasanoff Lab (Undergrad): <http://web.mit.edu/jasanofflab/>
- Jayaraman Lab (Intern): <http://www.janelia.org/lab/jayaraman-lab>
- Louis Lab (Intern): <http://janelia.org/people/alumni/matthieu-louis>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Basic understanding of the mechanisms underlying autophagy, chaperones, and protein quality control in the nervous system as a route to more effective therapies for neurodegenerative diseases (Alzheimer's, Frontotemporal Dementia, Huntington's, etc.).

Publications

PUBLICATIONS

- **Diametric neural ensemble dynamics in parkinsonian and dyskinetic states.** *Nature*
Parker, J. G., Marshall, J. D., Ahanonu, B., Wu, Y. W., Kim, T. H., Grewe, B. F., Zhang, Y., Li, J. Z., Ding, J. B., Ehlers, M. D., Schnitzer, M. J.
2018
- **Neuronal Representation of Social Information in the Medial Amygdala of Awake Behaving Mice** *CELL*
Li, Y., Mathis, A., Grewe, B. F., Osterhout, J. A., Ahanonu, B., Schnitzer, M. J., Murthy, V. N., Dulac, C.
2017; 171 (5): 1176-+
- **SIRT1 collaborates with ATM and HDAC1 to maintain genomic stability in neurons** *NATURE NEUROSCIENCE*
Dobbin, M. M., Madabhushi, R., Pan, L., Chen, Y., Kim, D., Gao, J., Ahanonu, B., Pao, P., Qiu, Y., Zhao, Y., Tsai, L.
2013; 16 (8): 1008-U54
- **On the Technology Prospects and Investment Opportunities for Scalable Neuroscience** *arXiv*
Dean, T., Ahanonu, B., et al
2013; 1307 (7302)