

Armen C. Arevian
Curriculum Vitae

Personal Information

Date of Birth: 11 February 1979 (Long Beach, California)
Citizenship: USA
Address: Department of Biological Sciences
Carnegie Mellon University
4400 Fifth Avenue
Pittsburgh, PA 15213
aca4@pitt.edu / mobile: 412-780-8921

Education

2002 – Present Medical Student
Medical Scientist Training Program, School of Medicine
University of Pittsburgh, Pittsburgh, Pennsylvania, USA

2004 – 2008 Ph.D. Neuroscience
University of Pittsburgh, Pittsburgh, Pennsylvania, USA
Center for Neuroscience and Medical Scientist Training Program (MSTP)
Center for the Neural Basis of Cognition
Advisor: Dr. Nathaniel N. Urban

1997 – 2001 B.A. Cell and Molecular Biology, Neurobiology Emphasis
University of California at Berkeley, Berkeley, California, USA

Fellowships and Academic Honors

Graduate:

2006 – 2010 NIH F30 NRSA Predoctoral Fellowship (NIDCD F30 DC008274)
2006 – 2009 Achievement Rewards for College Scientists Award (3 year, \$15,000 award)
2005 – 2006 National Science Foundation, IGERT Fellowship (NSF DGE-9987588)

Undergraduate:

2001 Graduated with Honors in Molecular and Cell Biology, Neurobiology
2001 President's Undergraduate Fellowship
2001 Dean's List

MSTP Elected Positions

2005-2006 Representative, Neurobiology Interviewing Committee
Description: Responsible for screening and interviewing MSTP applicants with a primary research interest in neurobiology.

2005-2006 Chairperson, Alumni Relations Committee
Description: Responsible for maintaining relations with MSTP alumni and organizing events to involve them with current MSTP students.

2004-2005 Chairperson, Retreat Committee
Description: In charge of organizing the annual MSTP research symposia and retreat for 2005.

2003-2005 Representative, Technology Committee
Description: Represented the MSTP on the University of Pittsburgh, School of Medicine Technology Committee.

2004-2005 Chairperson, Public Relations Committee
Description: Responsible for various communications-related tasks including managing the student MSTP website and developing promotional material such as flyers and brochures for the MSTP.

Teaching and Mentoring Experience

2005-2006 MSTP Peer Mentor
Description: Mentor incoming MSTP students for their first two years in the program.

Publications

Arevian AC, Kapoor V, Urban NN. (2008) Activity-dependent gating of lateral inhibition in the mouse olfactory bulb. *Nature Neuroscience*. Jan;11(1):80-7.

Arevian, A.C., Ermentrout, G.B., Urban, N.N. (2007). "Novel computational role for lateral inhibition in the olfactory bulb and its applications to other sensory systems" 37th Annual Meeting of the Society for Neuroscience, San Diego, CA (Abstract)

Arevian, A.C., Urban, N.N. (2006). "Activity-Dependent Gating of Lateral Inhibition by Correlated Mitral Cell Activity in the Mouse Main Olfactory Bulb," 36th Annual Meeting of the Society for Neuroscience, Atlanta, GA (Abstract)

Arevian, A.C., Urban, N.N. (2005). "Activity-Dependent Remapping of Lateral Inhibition by Correlated Mitral Cell Activity in the Mouse Main Olfactory Bulb," 35th Annual Meeting of the Society for Neuroscience, Washington, D.C. (Abstract)

Arevian, A.C., Poo, M.M. (2001). "Postsynaptic Calcium and Spike Timing-Dependent Synaptic Plasticity: A Computational Approach," University of California, Berkeley, Department of Molecular and Cell Biology Honors Research Symposia, Berkeley, CA. (Poster)

Other Experience

2009-Present Founder, Open Science Initiative, www.openscienceinitiative.org
I started this nonprofit to encourage innovation within the scientific community. One of the primary mechanisms of encouraging innovation is by the creation of a prize-based funding mechanism. The nonprofit will make available several prizes related to scientific research. Individuals in the academic community who successfully accomplish the objectives outlined in the prize definition will then be awarded the prize. This is a novel method for funding scientific research as the prevailing mechanism continues to be based on grants issued by a handful of agencies such as the NIH and NSF. Hopefully this method of funding research will lead to additional innovations in the scientific community not currently being addressed by the existing grant-based funding mechanisms.

Other Awards

2009 Named "Pittsburgh 40 Under 40", www.40under40pittsburgh.org
Each year, 40 people in the Pittsburgh region are highlighted for their engagement in and efforts of improving the community. I was selected this year primarily for working to improve the mechanisms available for scientific funding and collaborative research through starting the Open Science Initiative as well as for working with the ARCS foundation to help build support for the scientific community in the region.