

Armen C. Arevian, MD, PhD  
*Curriculum Vitae*

**Contact Information**

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**Current Positions**

2014 – Present Director  
Innovation Lab @ Semel Institute and Resnick Neuropsychiatric Hospital  
University of California, Los Angeles  
<http://arevian.bol.ucla.edu/innovation>

2014 – Present Director  
Psychiatric Consultation and Liaison Service  
UCLA Santa Monica Hospital

2011 – Present Junior Investigator  
Center for Health Services and Society  
University of California, Los Angeles  
<http://hss.semel.ucla.edu>

2009 – Present Founder  
Open Science Initiative  
<http://openscienceinitiative.org>

2006 – Present President, Co-Founder  
Insight Health Systems, Inc.  
<http://insighthealthsystems.com>

**Education**

2002 – 2010 M.D.  
Medical Scientist Training Program, School of Medicine  
University of Pittsburgh, Pittsburgh, Pennsylvania, USA  
Carnegie Mellon University, 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

**Funding and Academic Honors**

Residency:  
2014 – Present Homeland Security Emergency Alert Evaluation (\$950,000, Dr Glik PI)  
2013 – Present UCLA Center for Autism Research & Treatment Pilot Competitions (\$30,000)  
2013 – Present NIMH supplement for MD/PhD research during residency (R33 MH097007)

2013 – 2014 UCLA CART Technology Award (\$25,000)  
 2012 – 2013 NIMH supplement for MD/PhD research during residency (R01 MH093676)  
 2013 – 2013 American Psychiatric Association Research Colloquium Award (\$1,000)  
 2013 – 2013 CTSI Catalyst Grant for “Pathways to Clinical Forecasting Participatory Symposium”  
 2012 – 2013 APA Research Colloquium for Junior Investigators Award  
 2012 – 2013 NIMH supplement for MD/PhD research during residency (P30 MH082760)  
 2012 – 2013 Center for Embedded Network Sensing, UCLA (\$10,000 research award)

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

**Academic Positions**

2013 - 2014 Chief Resident of Translational Research, Dept. of Psychiatry, UCLA  
 Description: Coordinating efforts for translational research including coordination with UCLA CTSI and mentorship of resident translational research

2011 – 2013 Representative, Executive Oversight Committee for CareConnect Implementation  
 Description: Sole resident representative to hospital leadership guiding implementation of hospital-wide implementation of Electronic Medical Record system

2010 – 2012 Representative, Residency Oversight Committee, UCLA  
 Description: Two residents in the Department of Psychiatry serve on the ROC to represent the residents. The ROC is a committee of senior leadership in the department and works towards making long term changes and improvements to the residency program.

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.

## Publications

Arevian, A.C., Wells, K. (2014) "Chorus Participatory Mobile Framework: Lowering financial and technical barriers of mobile intervention development." NIMH Mental Health Services Research Conference, Washington D.C.

Arevian, A.C., Wells, K. (2013). "My Coach Connect: personalized, automated assessment of clinical acuity from speech content", Annual Meeting of the American Psychiatric Association, Research Colloquium for Junior Investigators, San Francisco, CA.

Arevian, A.C., Hughes, K. (2013). "TXT Elvis Pretzley to play! Helping families start conversations about health while eating out through a combination of traditional paper-based and SMS games" 4th Annual Design Principles and Practices Conference, Chiba, Japan

Urban NN, Arevian AC. (2009) Computing with dendrodendritic synapses in the olfactory bulb. *Ann NY Acad Sci. Jul*;1170:264-9.

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](http://www.openscienceinitiative.org)  
I started this 501(c)3 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 as well as facilitating collaboration between scientists who normally would not interact. 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.

2006-Present President, Insight Health Systems, Inc., [www.insighthealthsystems.com](http://www.insighthealthsystems.com)  
Since 1999, I have been involved in software development with the aim of employing new technologies to solve problems in efficient and creative ways. The projects I have completed are varied and include creating a medical management application that tracks over 30,000 mental health patients in a variety of care settings, a palm pilot program for a UPMC research study, modern web applications, mobile/tablet apps, a text messaging game addressing childhood obesity and others. I am very interested in systems-level issues, especially in healthcare, and enjoy using technology to come up with creative solutions to problems.