Ellen applied for a tenure-track faculty position as a post-doc. At that point, she emphasized her two NRSA fellowships, and she placed her publications at the end of the CV, just prior to her references, as is expected in the life sciences.

It is rare for a PhD in the experimental sciences to successfully land a tenure-track faculty position immediately out of graduate school. A postdoc is almost always necessary. When Ellen had applied for her postdoctoral position, she included more detail about her graduate research.

ELLEN R. JOSEPH

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Los Angeles, CA 90669
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3400 West Chester Blvd.
Apartment 109
Los Angeles, CA 90620
(813) 321-1234

CURRENT POSITION

University of California, Los Angeles — Los Angeles, CA
Postdoctoral Fellow — 2013-Present

EDUCATION

Columbia University — New York, NY
PhD, Neuroscience — 2013
Dissertation: Development of synaptic plasticity in *Aplysia californica*

Dartmouth College — Hanover, NH
BS, *magna cum laude*, Biology. Phi Beta Kappa — 2005

GRANTS AND AWARDS

Ruth L. Kirschstein Post-Doctoral National Research Service Award — 2014-2016
National Institute of Deafness and Other Communication Disorders, National Institutes of Health

Department of Neuroscience, Emerging Faculty Award — 2013
Columbia University

Ruth L. Kirschstein Pre-Doctoral National Research Service Award — 2010-2013
National Institute of Mental Health, National Institutes of Health

University Excellence in Teaching Award — 2010, 2012
Columbia University

RESEARCH EXPERIENCE

University of California, Los Angeles — Los Angeles, CA
Postdoctoral Fellow; Advisor: Young X. Shen — 2013-Present
Developmental regulation of NMDA receptor-mediated synaptic transmission in zebra finch brain

- Developed single cell PCR method to study developmental changes in NMDA receptors, correlated with developmental stages of song learning
- Analyzed developmental changes in juvenile song using customized LabView software.
- Altered development of song with behavioral and circadian manipulations

Columbia University — New York, NY
Graduate Researcher; Advisor: Thomas J. Schmidt — 2006-2013
Serotonergic modulation of synaptic transmission in developing and adult *Aplysia*

- Used *in vitro* single cell neurophysiological recording and stimulation to study developmental emergence of two serotonin-mediated forms of synaptic plasticity

Identifying information has been changed.

Marine Biological Laboratory Woods Hole, MA
Participant, Neural Systems and Behavior course Summer 2008

Columbia University New York, NY
Graduate Research Assistant; Advisor: Emily Chester 2005-2006
Expression of Lupus antigens in fetal rat brain

- Characterized developmental changes in expression of numerous lupus antigens using immunocytochemistry and flourescence microscopy

TEACHING EXPERIENCE

University of California, Los Angeles Los Angeles, CA
Written and Oral Communication Advisor Spring 2014-Present
Guest Lecturer and Consultant, Seminar in Animal Communication Spring 2014

Columbia College New York, NY
Guest Lecturer, Introductory Psychology Summer 2011, 2012
Head Teaching Assistant, Cellular Basis of Behavior Spring 2012
Teaching Assistant, Cellular Basis of Behavior Spring 2010
Teaching Assistant, Neurobiology Fall 2010

Dartmouth College Hanover, NH
Teaching Assistant, Special Topics in Psychology Spring 2004
Teaching Assistant, Introductory Biology Fall 2003, Fall 2004

RELATED PROFESSIONAL EXPERIENCE

Columbia Graduate Women in Science (CGWS), Columbia University New York, NY
Co-Founder and President 2011-2013

- Organized and led student representatives from 25 natural science departments to promote issues of concern to women scientists at Columbia
- Co-chaired Invited Speakers committee. Managed 3 public symposia featuring nationally-renowned women scientists

PROFESSIONAL ASSOCIATIONS

Society for Neuroscience
International Association of Electrophysiologists
New York Academy of Sciences

CONFERENCE PRESENTATIONS

Joseph, E.R. and Shen, Y.X. Synaptic maturation is input-specific and occurs in two phases in nucleus RA of the zebra finch. Society for Neuroscience Abstracts. Poster presentation to be delivered at the Society for Neuroscience meeting, San Diego, CA., November, 2015.

Joseph, E.R. and Shen, Y.X. Developmental regulation of NMDA receptor-mediated synaptic currents in nucleus RA of the zebra finch. Society for Neuroscience Abstracts. 25:191. Poster presentation delivered at the Society for Neuroscience meeting, Atlanta, GA, November, 2014.

Joseph, E.R. and Schmidt, T.J. Synaptic facilitation is independent of spike duration in sensory neurons of juvenile *Aplysia*. Society for Neuroscience Abstracts. 25:695. Poster presentation delivered at the Society for Neuroscience meeting, Washington, D.C., November, 2012.

Identifying information has been changed.

Joseph, E.R. and Schmidt, T.J. Serotonergic facilitation of synaptic transmission in juvenile *Aplysia*. Society for Neuroscience Abstracts. 23:814. Oral presentation delivered at the Society for Neuroscience meeting, New Orleans, LA, November, 2011.

Joseph, E.R., Kline, N.J., and Schmidt, T.J. Temporal dissociation of 5HT-induced spike broadening and excitability in *Aplysia* sensory neurons. Society for Neuroscience Abstracts. 21:941. Oral presentation delivered at the Society for Neuroscience meeting, St. Louis, MO, November, 2009.

Joseph, E.R. and Schmidt, T.J. Teaching neuroscience through a laboratory experience: you can't start too young. Society for Neuroscience Abstracts. 20:518. Poster presentation delivered at the Society for Neuroscience meeting, Orlando, FL, November 2008.

REVIEW ARTICLES

Joseph, E.R., LeBlanc, R., Kline, N.J., Bliss, E.A., and Schmidt, T.J. (2011). Central actions of serotonin across the life span of *Aplysia*: Implications for development and learning. In H. Koike, Y. Kidokoro, K. Takahashi, and T. Kanaseki (Eds.), Basic Neuroscience in Invertebrates (pp. 249-265). Tokyo: Japan Scientific Societies Press.

Kline, N.J., Bliss, E.A., **Joseph, E.R**., and Schmidt, T.J. (2011). Differential modulatory actions of serotonin in *Aplysia* sensory neurons: Implications for development and learning. Seminars in Neuroscience. 9:21-33.

PEER-REVIEWED PUBLICATIONS

Joseph, E.R. and Shen, Y.X. (2015). Two-stage, input-specific synaptic maturation in a nucleus essential for vocal production in the zebra finch. Journal of Neuroscience. 22:9107-9116.

Joseph, E.R. and Schmidt, T.J. (2014). Developmental dissociation of serotonin-induced spike broadening and synaptic facilitation in *Aplysia* sensory neurons. Journal of Neuroscience. 21:334-346.

Joseph, E.R., Chang, A.R., Kline, N.J., and Schmidt, T.J. (2012). Pharmacological and kinetic characterization of two functional classes of serotonergic modulation in *Aplysia* sensory neurons. Journal of Neurophysiology. 78:855-866.

Smythe, M.I., Vaidya, A.F., **Joseph, E.R.,** Belema, J.F., and Denny, K.M. (2005). Fetal expression of renin, angiotensinogen, and atriopeptin genes in chick heart. Journal of Clinical and Experimental Hypertension. A15: 617-629.

REFERENCES

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Identifying information has been changed.

Keisha used this CV to help her successfully land a staff scientist position at a biotech company. There are not many differences from her academic CV, except that she includes a list of skills and techniques (which is also appropriate for an academic postdoctoral application). While her thesis work was basic science, she includes references to clinically relevant work in her earlier research experiences. References are not included when applying to industry.

Keisha V. Thomas

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EDUCATION

Harvard University, Division of Medical Sciences — Boston, MA
- Ph.D. in Biochemistry and Molecular Pharmacology, — Expected March 2015
- National Science Foundation Honorable Mention 2010

Swarthmore College, Swarthmore, PA
- B.A., Biology 2003

RESEARCH EXPERIENCE

Harvard University Medical School — Boston, MA
Graduate Student with Dr. Elias T. Johannson — 2010-present
Genetic and genomic studies of ubiquitin-proteasome system activities in S. cerevisiae
- Examined potential transcriptional effects of the proteasome using microarray analysis to provide a genome-wide picture of chromatin binding and gene regulation.
- Executed genetic screen for suppressor of a mutant in the proteasome adaptor complex Cdc48Npl4Ufd1.
- Characterized one of the isolated suppressors to reveal a function in sporulation, using biochemistry, cell biology and transcriptional profiling.

Yale University Medical School — New Haven, CT
Research Assistant with Dr. Bing Wong — 2007-2009
- Examined transcriptional regulation of the bile acid transporter Ntcp using reporter assays in cultured hepatocytes.
- Managed laboratory functions including organization, ordering and scheduling equipment use.
- Trained new students and employees.

University of California San Francisco — San Francisco, CA
Research Assistant with Dr. Shona V. Ramapura — Summer 2006
- Analyzed encapsidation of HIV RNA using cell-free extract.

Université de Paris, Station Zoologique — Villefranche sur mer, France
Intern with Dr. Magali Canivet — 2005
- Used micromanipulation and microscopy to investigate early developmental stages of tunicate embryos.

Yale University Medical School — New Haven, CT
Howard Hughes Intern with Dr. Jane P. Angelique — Summer 2002
- Established method of PCR screening for NOD mice used in diabetes research.

SKILLS and TECHNIQUES
- Isolation of RNA and analysis by transcriptional profiling and Northern blot
- Chromatin immunoprecipitation and analysis on microarrays and by quantitative PCR
- Fluorescence microscopy
- Statistical analysis of microarray data
- Immunoprecipitation of complexes for identification by Mass Spectrometry
- Genetic screening and manipulations in budding yeast
- Mammalian cell culture

Identifying information has been changed.

LEADERSHIP EXPERIENCE

Harvard University Medical School Boston, MA
Editor, Biological and Biomedical Sciences Program Bulletin 2012-Present
- Participated in planning content; solicited, wrote and edited articles relevant to student life.

Mentor, Mentoring for Science program 2010, 2013
- Guided eighth-grade students to understanding of scientific method through molecular biology experiments and case-based learning.

Swarthmore College Swarthmore, PA
Teaching Assistant Embryology 2006
- Assisted in preparation and execution of laboratory section.
- Prepared and presented 2 class lectures.

ABSTRACTS

K.V. Thomas, J.M. O'Reilly, S. Kopp, and E.T. Johannson. The Proteasome and its Transcription Factor Substrate Have Overlapping Specificity in Gene Regulation. Abstracts of the Gordon Symposium on Ubiquitin and Signaling, 2012. Abstract 106.

K.V. Thomas, S. Gerling, and E.T. Johannson. The Npl4/Ufd1/Cdc48 Complex and Regulation of Membrane Composition. Abstracts of the American Society for Biochemistry and Molecular Biology, 2009. Abstract and Presentation 1615.

PUBLICATIONS

K.V. Thomas, A.L. Marcus, S. Gerling, L. Sing, and E.T. Johannson. The Yeast Arr4 Forms a Complex with Functions in Sporulation. In preparation.

K.V. Thomas, C.R. White, J.M. O'Reilly, S. Kopp, and E.T. Johannson. Genomic Localization of the Proteasome Demonstrates Multiple Levels of Gene Regulation. Under review.

A.L. Marcus, K.V. Thomas, S.P. Georgios, and E.T. Johannson. A subset of membrane-associated proteins is ubiquitinated in response to mutations in the endoplasmic reticulum degradation machinery. Proceedings of the National Academy of Sciences USA 2010; 98(16):12861-66.

L.A. Pittson, K.V. Thomas, D.S. Kerry, M.H. Slater, D.J. Elliot, and B. Wong. Interleukin-1ß Suppresses Retinoid Transactivation of Two Hepatic Transporter Genes Involved in Bile Formation. Journal of Chemical Biology 2008; 275(12): 8835-8843.

Identifying information has been changed.