

Joanne Berger-Sweeney
President
Trinity College (CT)

EDUCATION

1979	Wellesley College , Wellesley, MA. Psychobiology	B.A.
1981	University of California, Berkeley , CA. Environmental Health Sciences	M.P.H.
1989	Johns Hopkins School of Public Health , Baltimore, MD. Neurotoxicology Advisor: Dr. Joseph Coyle	Ph. D.
1989-91	National Institute of Health (INSERM) , Paris, France Neurophysiology Advisor: Dr. Yvon Lamour	Postdoctoral

Professional Education

American Council of Education (ACE) Women's Leadership Forum, 2012
ACE Spectrum Executive Leadership Forum, 2013
New President's Seminar, Harvard School of Education, 2014
Yale Higher Ed Leadership Summit, 2018

ADMINISTRATIVE EXPERIENCE

2014-	TRINITY COLLEGE President Chief Executive Officer of the College, reporting to the Board of Trustees. Responsible for: allocating academic, human, financial, and physical resources for the School; leading team of leaders including Vice President (VP) Academic Affairs, VP Finance, VP Enrollment Management, VP Campus Life, VP Advancement, and VP Information and Library Services; developing implementation plan for the strategic vision of the College; engage faculty and staff in shared governance; developing and advancing fundraising initiatives; developing and maintaining visibility of the college beyond its borders; engaging Board of Trustees in governance of College. Major accomplishments: developed collaboratively working goals and strategic vision for the College; reorganized the senior leadership team of the College; oversaw the College's most successful annual fund drive; developed a communications plan to re-engage alumni; and launched several initiatives to improve campus and academic life, while maintaining a balanced budget. Fundraised more than \$70MM in first three years to support annual fund and strategic initiatives.	HARTFORD, CT
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Trinity College Profile (from 2017-18)

2,221 undergraduate students
61 graduate students
218 full-time faculty members
9/1 student/faculty ratio
41 majors, 28 minors
420 full-time staff
21,000 alumni/alumnae
\$137MM annual budget

2010-14

TUFTS UNIVERSITY

MEDFORD, MA

Dean of the School of Arts and Sciences

Responsible as chief officer for the School: allocate academic, human, financial, and physical resources for the School; lead team of leaders including two deans of academic affairs, executive administrative dean, dean of the graduate school, dean of undergraduate admissions, dean of undergraduate and graduate students, director of communications, athletics, and senior development officer; develop implementation plan for the strategic vision of the School; engage faculty and staff in shared governance; develop and advance fundraising initiatives; develop initiatives with deans of other schools at Tufts; report to University provost. **Major**

accomplishments: developed collaboratively guiding principles for A&S [<http://as.tufts.edu/about/statementprinciples.htm>]; increased faculty diversity more than two-fold; initiated interdisciplinary cluster hiring program for faculty; revised School's work/life balance policies; initiated a summer bridge program for students transitioning from underserved high schools to Tufts' first year; launched several undergraduate and graduate academic programs and a Center for the Study of Race and Democracy; merged public and community health program with the School of Medicine; hired four outstanding deans; re-organized Athletics, the Office of Graduate Studies, and the Student Divisions after external reviews; helped reach annual fundraising goals for financial aid and facilities for the School; the School has run an operating budget surplus each year.

Tufts University School of Arts and Sciences Profile (from 2012-13)

4,269 undergraduate students
941 graduate students
385 full-time faculty members
9/1 student/faculty ratio
27 academic departments; 3 graduate (only) departments
22 interdisciplinary programs and centers
486 full time staff
51,004 alumni/alumnae
\$311MM annual budget for Arts Sciences and Engineering
(the two Schools share student services and undergraduate admissions)
\$16MM sponsored research activity

2004-10

WELLESLEY COLLEGE

WELLESLEY, MA

Associate Dean of the College

Responsible for: supervising one-third of academic departments and programs; faculty development and retention; faculty benefits; Child Study Center; Office of Sponsored Research; Ombudsperson; Office of Religious and Spiritual Life (07-08); and served as Interim Chair of Spanish department; member of tenure and promotion and budget advisory committees and Presidential cabinet; reported to Dean of the College/Provost. **Major accomplishments:** revised system of evaluation and promotion for non-tenure track faculty; increased faculty diversity almost two-fold; helped revise college legislation for hiring faculty in interdisciplinary programs; re-organized Child Study Center to increase revenue generation and sustain the academic mission.

Wellesley College Profile (from 2009-10)

2,324 undergraduate students

259 full-time faculty members

8/1 student/faculty ratio

28 academic departments

21 interdisciplinary programs

2004-06
1992-96

WELLESLEY COLLEGE

WELLESLEY, MA

Director and co-Director, Neuroscience (formerly Psychobiology) Program

Helped build the neuroscience program into the largest science major and best-endowed interdisciplinary program at Wellesley College. Helped lead faculty through the evolution of a program that combined simply psychology and biology to a modern-day multidisciplinary neuroscience

program with faculty from biology, psychology, chemistry, physics, and computer science.

TEACHING AND RESEARCH/SCIENCE EXPERIENCE

- 2014- **Professor of Neuroscience**, Trinity College, Hartford, CT.
- 2010-14 **Professor of Biology, Adjunct Professor of Psychology, Professor (secondary) of Public Health and Community Medicine**, Tufts University, Medford/Boston, MA.
- 2003-10 **Professor**, Department of Biological Sciences, Wellesley College, Wellesley, MA.
- 1997-03 **Associate Professor**, Department of Biological Sciences, Wellesley College, Wellesley, MA.
- 1995-04 **Lecturer**, Department of Psychiatry, Harvard Medical School.

- 1991-97 **Assistant Professor**, Department of Biological Sciences, Wellesley College, Wellesley, MA.
- 1982-84 **Environmental Scientist**, Engineering Science Inc, Berkeley, CA.
- 1981 **Project Team Member**, Hazardous Waste Management Group, California Department of Health, Berkeley, CA.

BOARD MEMBERSHIP

- 2017 **Co-chair**, CT State Higher Education & Entrepreneurship Working Group. State of Connecticut.
- 2016-present **Trustee**, Board of Trustees, Cold Spring Harbor Laboratories, Cold Spring Harbor, NY
- 2015-present **Member** (Governor's appointee), Capital Regional Development Authority, Hartford, CT
- 2015-present **Member**, Board of Directors, Hartford Healthcare, Hartford, CT
- 2014-present **Member**, Board of Directors, Hartford Consortium for Higher Education, Hartford, CT
- 2014-present **Member**, Board of Directors MetroHartford Alliance, Hartford, CT
- 2014-15 **Member**, Board of Directors, Hartford Hospital, Hartford, CT
- 2011-2014 **Trustee and Chair of Academic Affairs Committee**, Framingham State University, Framingham, MA.
- 2011-14/17 **Member**, Board of Directors, AFS-USA International Exchange Program (2011 - 2014)

HONORS AND AWARDS

- 2018 **Member**, American Academy of Arts and Sciences
- 2017 **Posse Star**, Posse Foundation
- 2016 **Lifetime Achievement Award**, CT NAACP
- 2015 **Women Leading STEM Award**, CT Girl Scouts
- 2015 **Alumni Achievement Award**, Johns Hopkins University
- 2012 **Fellow**, American Association for the Advancement of Science (AAAS)
- 2011 **Honorary Member**, Phi Beta Kappa
- 2010 **Honoree**, ScienceMakers (part of The HistoryMakers series), selected as one of the five most influential African American biomedical scientists in America

- 2006- **Member**, Dana Alliance Foundation, an invitation only nonprofit organization committed to advancing public awareness about the progress of brain research
- 2006 **Lifetime Mentoring Achievement Award**, Society for Neuroscience
- 2004-10 **Allene Lummis Russell Professor of Neuroscience** (endowed), Wellesley College
- 2004 **Fellow**, Faculty for Undergraduate Neuroscience (FUN)
- 2003 **Educator Award**, FUN
- 2002 **Fellow**, International Behavioral Neuroscience Society (IBNS)
- 2001 **Class of 1966 Associate Professor** (endowed), Wellesley College
- 1994 **Member**, Project Kaleidoscope (PKAL) Faculty for the 21st Century, Inaugural Class '94
- 1994 **New England Black Scholars Award**
- 1994 **Fogarty Senior International Fellowship** to Switzerland
- 1994 National Science Foundation (NSF) **Young Investigator Award**
- 1992 **Member**, Sigma Xi, Honorary Scientific Society
- 1989-91 **NATO and IBRO Post-doctoral Fellowship** Awards

PROFESSIONAL ACTIVITIES

- 2014-present **Member**, Committee on Committees, Society for Neuroscience (SfN)
- 2010-2014 **Co-chair, Committee on Professional Development**, SfN
- 2007- 2010 **Treasurer**, SfN
- 2002- 2006 **Councilor**, SfN
- 2003 **Guest editor** (with L. Ricceri and C.F. Hohmann), "The Developing Cholinergic System" *Neurosci. Biobehav. Rev.*
- 2001- 2004 **Member**, National Institutes of Health (NIH) Study Section (ICFN-7)
- 2001- 2004 **US Councilor**, International Behavioral Neuroscience Society (IBNS)
- 2000- 2002 **Member**, Beckman Scholars Executive Committee
- 1999-2006 **Director**, Minority Neuroscience Fellowship Program for Predoctoral and Postdoctoral Fellows, SfN
- 1998-2001 **Member**, Behavioral Neuroscience Review Panel, National Science Foundation (NSF)
- 1997-2004 **Member**, Editorial Board, Behavioral Neuroscience
- 1994-2003 **Member**, Neuroscience Advisory Committee, American Psychological Association, Minority Fellowship Program/Diversity in Neuroscience Program
- 1986- **Member**, SfN

STRATEGIC INITIATIVES (PARTIAL LIST)

Institutional Strategic Planning: Led the development of [Summit, a strategic plan for the future of Trinity College](#) (approved by Board of Trustees October 2017)

Academic Initiatives

- Stimulated creation of Trinity College's entry into EdX for delivery of online

- education. First year, TrinityX courses registered more than 20,000 students
- Developed faculty cluster hiring in environmental studies; race and ethnicity; food, science and society; and the digital humanities
 - Increased tenure stream faculty of color; 14 out of 38 new hires
 - Created faculty-led working groups to assess curricular needs in online learning, digital humanities, and film and media studies
 - Launched new academic programs in Africana, Asian-American studies, Cognitive Science (with the School of Engineering), and Chemical Physics
 - Helped launch a new assessment strategy for all academic departments and programs in preparation for accreditation visit
 - Merged Community Health program in A&S with Public Health and Community Medicine at the Medical School
 - Initiating a comprehensive review of the undergraduate curriculum

Faculty Development and Governance

- Executed the first faculty retreat to discuss interdisciplinary research and teaching
- Revised the Faculty Handbook (with the Dean of the School of Engineering), creating more family-friendly leave policies
- Revised policies and compensation structure for part-time faculty
- Charged tenure and promotion committee to create policies for tenure and promotion in interdisciplinary fields
- Created deans sabbatical leave program for associate professors

Setting Priorities and Divisional Reorganizations

- Developed a capital plan for the school with input from multiple constituencies
- Initiated a review and reorganization of the student divisions
- Integrated graduate and undergraduate student services offices
- Initiated a review, re-organization, and implementation plan for the Athletics department
- Initiating new communication strategies for the School, including use of social media, improved websites and portals for incoming students
- Creating business plans to grow two revenue-generating online masters' programs

Student Experiences

- Oversaw development of Bantam Network, a first-year mentoring program (designed by students for students) to integrate new students into the community
- Initiated development of Campaign for Community to define campus community aspirations and guidelines
- Initiated a six-week summer transition program for undergraduate students from underserved high schools prior to matriculation (BLAST)
- Supported English as a Second Language (ESL) training for graduate teaching assistants
- Created a cross-cultural student program for intercultural and social identities

Diversity and International Initiatives

- Created Dean's Graduate Fellowships for Diversity in the Humanities and Sciences
- Created a Center for the Study of Race and Democracy
- Initiated a faculty working group to create a curricular umbrella program to

- examine race, cultures and diasporas
- Supporting the creation of a Confucius Institute (funded by the Chinese Government) at Tufts

Boards and External Relations

- Selected (with the governance committee over two years) 16 new trustees of 34-member board at Trinity, and with the board chair, restructured board committees
- Created and executed strategic board retreats at Trinity
- Selected (with the nominating committee) nine members of the 18-member A&S board of advisors at Tufts
- Re-invigorated the board of advisors program by creating subcommittees and increasing the advisors' meeting frequency from two to three times each year
- Created an orientation for new advisors
- Chaired the Academic Affairs Committee and served as a member of the Executive Committee of the Board of Trustees for Framingham State University
- Chaired the strategic planning initiative to re-envision the AFS-USA Board of Directors in the next five years

INSTITUTIONAL SERVICE (ABBREVIATED)

Tufts University

- University-wide Steering Committee for Strategic Planning
- University-wide Steering Committee for Tufts Effectiveness in Administrative Management (TEAM)
- Vice Chair, University-wide Council on Diversity

Wellesley College

- Dean of Students Search Committee (appointed)
- Committee on Faculty Appointments (reappointment/tenure/promotion, elected)
- Board of Appeals (elected)
- Presidential Advisory Committee (elected)
- Curriculum Committee (appointed)
- Board of Appeals (elected)
- Steering Committee on the Multicultural Requirement
- Chair, Committee on Lecture Policy
- Presidential Search Committee (elected)

COMMUNITY AND CIVIC SERVICE (ABBREVIATED)

Community Service Member, Greater Hartford Links Chapter. Links, Inc. (2016 – present)

Volunteer, B-SAFE summer program for Boston inner city children (2006-14)

Chair, Academic Affairs Committee, Board of Trustees, Framingham State University, Framingham, MA (2012-14)

Chair, Nominating Committee for Class Officers, Wellesley College (2013)
Sunday School Teacher, every grade, St. Paul's Episcopal Church, Natick, MA
(2000-2010)
Regular **Guest Speaker**, K-12 school programs on science day in every
town in which I have lived
Guest Judge, Brain Awareness Week, Baltimore, MD and Boston, MA

MEDIA EXPERIENCE (ABBREVIATED)

Featured "Trinity College President Discusses Entrepreneurship and Innovation,"
Innovation Destination Hartford. May 1, 2018. [<https://www.innovationhartford.com/trinity-college-president-discusses-entrepreneurship-and-innovation/>]

Authored "Safeguarding Academic Freedom and a College Community," *Inside Higher Ed*. January 23, 2018. [<https://www.insidehighered.com/views/2018/01/23/president-cites-lessons-learned-controversy-concerning-academic-freedom-opinion>]

Authored "An Exciting New Story for Hartford," *The New York Times*. June 22, 2017. [<https://www.nytimes.com/2017/06/22/opinion/an-exciting-new-story-for-hartford.html>]

Featured "How refusing to listen to other voices can harm us all," *PBS NewsHour* "In My Humble Opinion." May 5, 2017. [<https://www.pbs.org/newshour/show/refusing-listen-voices-can-harm-us>]

Featured "Reining in Growth," *Inside Higher Ed*. December 1, 2016. [<https://www.insidehighered.com/news/2016/12/01/trinity-college-connecticut-sells-building-and-changes-enrollment-strategy>].

Featured "Setting the Tone for Inclusion on Campus," *Chronicle of Higher Education*. November 4, 2016. [<http://www.chronicle.com/article/Video-Setting-the-Tone-for/238304>].

Featured "Trinity College President Talks Race, Relevancy of Liberal Arts," *USNews & World Report*. December 24, 2015.

Featured "Trinity President Berger-Sweeney after a year: Right time, right place," *Hartford Courant Magazine*. August 23, 2015. [<http://www.courant.com/hartford-magazine/education/hc-hm-trinity-college-president-20150829-story.html>]

Featured “Diversity in higher education flatlines,” WGBH, Boston. May 6, 2014. [<http://blogs.wgbh.org/on-campus/2014/5/6/diversity-higher-ed-leadership-flatlines/>]

Featured “Dean, neuroscientist, mentor: The many hats of Joanne Berger-Sweeney,” AAAS Member Central. July 26, 2013. [<http://membercentral.aaas.org/blogs/member-spotlight/dean-neuroscientist-mentor-many-hats-joanne-berger-sweeney>]

Featured Biography “The HistoryMakers/EducationMakers, ScienceMakers” April 23, 2013. [<http://www.thehistorymakers.com/biography/joanne-berger-sweeney>]

Featured “A&S dean announces new program to encompass a number of majors, including Africana studies,” by Martha Shanahan and Brent Yarnell. *The Tufts Daily*. September 14, 2011. [<http://www.tuftsdaily.com/a-s-dean-announces-new-program-to-encompass-a-number-of-majors-including-africana-studies-1.2627460#.UWwaWo6AQTM>]

Featured “A Taste of Tufts: Joanne Berger-Sweeney,” by Victoria Rathsmill. *The Tufts Daily*. February 6, 2012. [<http://www.tuftsdaily.com/a-taste-of-tufts-joanne-berger-sweeney-1.2695589#.UWwZoI6AQTM>]

Cover Feature “Tufts University Moving to Expand Black Studies Program,” by Kenneth J. Cooper. *Diverse Issues in Higher Education*. May 2, 2012.

Featured “Tufts University to offer Africana studies major,” by Akilah Johnson. *Boston Globe*. May 30, 2012. [<http://www.bostonglobe.com/metro/2012/02/26/new-tufts-center-study-race-democracy/NkSpo60CbZUAwN1P2E8QDO/story.html>]

Featured Interview “A Career in Academic Administration: Joanne Berger-Sweeney,” for Society for Neuroscience [<http://www.youtube.com/watch?v=L0Yw9Fz-EVk>]. November 2012.

Featured Interview “Women and Diversity in Neuroscience” for Society for Neuroscience [<http://www.youtube.com/watch?v=q3vs1g1gEE&feature=youtu.be>]. November 2012.

LANGUAGE FLUENCY AND INTERNATIONAL EXPERIENCE

- French, good
- German, fair
- Have lived and worked in Malaysia, France, Switzerland, and Scotland

RESEARCH INTERESTS

- The cholinergic neurotransmitter system in learning and memory
- The neurobiology of autism spectrum disorders
- Mouse behavior
- The neurochemistry and pharmacology in cognitive and social behaviors
- The neural development of cerebral cortex

PATENTS

- 1998 U. S. Patent # 08/729348 with Dr. R. Neve. Transgenic non-human mammal expressing Flag-APP-CP100 fusion protein, an animal model of Alzheimer's disease.
- 2015 U.S. Patent Application # 61801768 with Dr. B. Davis. Treatment of Rett syndrome, an autism spectrum disorder.

EXTERNALLY FUNDED GRANTS (SINCE 2000)

- 1999-01 NSF/RUI Grant. "Spatial processing and the development of the hippocampus." \$150,000.
- 2000-06 NIMH (T32) Training Grant (with Society for Neuroscience). "Increasing Diversity in Neuroscience Research" \$2,400,000. Training grant for underrepresented minority predoctoral and postdoctoral fellows in neuroscience.
- 2001-04 NINDS (2 R44 NS34591-02). "A Specific Tool for Targeting Neurodegeneration" (PI: D. Lappi), subcontract to Wellesley College \$375,000.
- 2001-04 International Rett Syndrome Association. "Behavioral, Neurochemistry and Pharmacology in MECP2 Mice" \$90,000.
- 2001-04 NSF Major Research Instrumentation Grant. "Acquisition of a Magnetic Resonance Imaging Accessory for a Bruker 400 MHz NMR Spectrometer" \$184,623. (PI: N. Kolodny).
- 2005-10 NIMH (2-R01 MH51290-09A2). "Glutamate and Psychosis" (PI: J. T. Coyle), subcontract to Wellesley College \$360,000.
- 2009-10 Sigma-Tau Pharmaceuticals. "Acetyl-L-Carnitine treatment in a mouse model of Rett syndrome." \$95,000.
- 2010-13 NIH (ARRA - C06 RR030411), "Tufts Collaborative Cluster in Genome Structure and Developmental Patterning" \$638,930.

- 2013-14 NSF (DGE-1325256) "Graduate Research Fellowship Program at Tufts University." \$540,892.
- 2013-15 Synaptec Inc. "A galantamine analogue treatment in a mouse model of Rett syndrome." \$104,000.

SELECTED PUBLICATIONS

Books and Chapters (Selected from 11):

- 1996 Paul, C.A., B. Beltz, and J. Berger-Sweeney. "Discovering Neurons: A Compilation of Classic and Novel Laboratory Exercises in Neuroscience." New York: Cold Spring Harbor Laboratory Press. PMID: 20679372
- 2003 Berger-Sweeney, J. and C. F. Hohmann. "Dysplasias" in the Corsini Concise Encyclopedia of Psychology and Behavioral Science. (Eds. W. E. Craighead & C. B. Nemeroff). John Wiley & Sons, Inc.
- 2008 Berger-Sweeney, J., L. Schaevitz, and K.M. Frick. "Neurochemical systems involved in learning and memory" in Neurobiological Foundation of Mental Illness, 3rd edition. (Eds. D.S. Charney, B.S. Bunney & E.J. Nessler). New York: Oxford University Press.

Peer-reviewed Original Research and Reviews (Selected from 65):

* denotes undergraduate student

- 1989 Sweeney JE, Puttfarcken PS, Coyle JT. Galanthamine, an acetylcholinesterase inhibitor: a time course of the effects on performance and neurochemical parameters in mice. *Pharmacol Biochem Behav.* 34:129-37. PMID: 2626444
- 1992 Han, S., JE. Sweeney, E. Bachman*, E. Schweiger, G. Forloni, J. Coyle, and M. Jouille. Chemical and pharmacological characterization of galanthamine, an AChE inhibitor, and its derivatives. A potential application for Alzheimer's Disease? *Eur. J. Med. Chem.* 27:673-687.
- 1992 Sweeney, JE., Y. Lamour, and M. Bassant. Arousal-dependent properties of medial septal neurons in the unanesthetized rat. *Neuroscience* 48:353-362. PMID: 1603324
- 1994 Berger-Sweeney, J., S. Heckers, M-M. Mesulam, R. Wiley, D. Lappi, and M. Sharma*. Differential effects on spatial navigation of immunotoxin-induced cholinergic lesions of medial septal area and nucleus basalis magnocellularis. *J. Neurosci.* 14:4507-4519. PMID: 8027790
- 1994 Bachman*, E.S., J. Berger-Sweeney, J.T. Coyle, and C.F. Hohmann. Developmental regulation of adult cortical morphology and behavior: An

- animal model for mental retardation. *Intl. J. Develop. Neurosci.* 12:239-253. PMID: 7976481
- 1999 Berger-Sweeney, J., D.L. McPhie, J.A. Arters, J. Greenan, M.L. Oster-Granite, and R.L. Neve. Impairment in spatial learning accompanied by neurodegeneration in mice transgenic for the carboxyl-terminus of the amyloid precursor protein. *Molec. Brain Res.* 66:150-162. PMID: 10095087
- 2001 Berger-Sweeney, J., N.A. Stearns, S.L. Murg*, L.R. Floerke-Nashner*, D.A. Lappi, and M. G. Baxter. Selective immunolesions of cholinergic neurons in mice: Effects on neuroanatomy, neurochemistry, and behavior. *J. Neurosci.* 21:8164-8173. PMID: 11588189
- 2002 Frick, K.M., L.A. Burlingame*, S.S. Delaney*, and J. Berger-Sweeney. Sex differences in neurochemical markers that correlate with behavior in aging mice. *Neurobiol. Aging* 23:145-158. PMID: 11755029
- 2004 Tsai, G., M. Martina, R. Bergeron, J. Berger-Sweeney, K.S. Dunham, and J. T. Coyle. Gene knockout of glycine transporter 1: characterization of the behavioral phenotype. *Proc. Natl. Acad. Sci. (USA)* 101:8485-90. PMID: 15159536
- 2007 Stearns, N.A., L.R. Schaevitz, H. Bowling*, N. Nag, U.V. Berger, and J. Berger-Sweeney. Behavioral and anatomical abnormalities in *Mecp2* mutant mice: A model for Rett Syndrome. *Neuroscience* 146:907-921. PMID: 17383101
- 2007 Nag, N. and J. Berger-Sweeney. Postnatal dietary choline supplementation alters behavior in a mouse model of Rett Syndrome. *Neurobiol. Disease* 26:473-480. PMID: 17395475
- 2009 Ward, B.C., N.H. Kolodny, N. Nag, and J. Berger-Sweeney. Neurochemical changes in a mouse model of Rett Syndrome: Changes over time and in response to perinatal choline nutritional supplementation. *J Neurochem.*, 108:361-371. PMID: 19012748
- 2011 Berger-Sweeney, J. 2011. Cognitive deficits in Rett syndrome: What we know and what we need to know to treat them. *Neurobiol. Learn. Mem.*, 96:637-46. PMID: 21624480
- 2012 Schaevitz, LR, J. Picker, J. Rana*, N. Kolodny, B. Shane*, J. Berger-Sweeney, J. Coyle. 2011. Glutamate carboxypeptidase II and folate deficiencies result in reciprocal protection against cognitive and social deficits in mice: Implications for neurodevelopmental disorders. *Dev. Neurobiol.* 72:891-905. PMID: 22076974
- 2012 Schaevitz L.R., R. Nicolai, C.M. Lopez*, S. D'Iddio, E. Iannoni, J.E. Berger-Sweeney. Acetyl-L-carnitine improves behavior and dendritic morphology in a mouse model of Rett syndrome. *PLoS One.* 7:e51586 PMID: 23227269

- 2012 Katz D.M., J.E. Berger-Sweeney, J.H. Eubanks, M.J. Justice, J.L. Neul, L. Pozo-Miller. M. Blue, D. Christian, J.N. Crawley, M. Giustetto, J. Guy, C.J. Howell, M. Kron, S.B. Nelson, R.C. Samaco, L.R. Schaevitz, C. St Hillaire-Clarke, J. L. Young, H.Y. Zoghbi, L.A. Mamounas. Preclinical research in Rett syndrome: setting the foundation for translational success. *Dis Model Mech.* 5:733-45. PMID: 23115203
- 2012 Schaevitz, L.R. and J. Berger-Sweeney. Gene-environment interactions and epigenetic pathways in autism: The importance of one-carbon metabolism. *J Inst Laboratory Animal Res.* 53:322-40. PMID: 23744970
- 2013 Schaevitz, L.R., N.B. Gomez*, D.P. Zhen*, and J.E. Berger-Sweeney. MeCP2 R168X male and female mutant mice exhibit Rett-like behavioral deficits. *Genes Brain Behav.* doi: 10.1111/gbb.12070. PMID: 24283265
- 2014 Ricceri, L., J. Berger-Sweeney, L. R. Schaevitz. One-carbon metabolism in neurodevelopmental disorders: using broad-based nutraceuticals to treat cognitive deficits in complex spectrum disorders. *Neurosci Biobehav. Rev.*, doi: 10.1016/j.neubiorev.2014.04.007. PMID: 24769289

SELECTED INVITED TALKS

- 1999 “Brave New Genes: How genetic engineering will change our lives in the 21st Century.” Public Lecture, Trinidad and Tobago
- 2002 “A tale of time and sex: The role of the cholinergic basal forebrain in cognition across the lifespan.” Yale University, New Haven CT
- 2007 “Gene-environment interactions in Rett Syndrome.” Puerto Rico Neuroscience Society Plenary Lecture.
- 2008 “Perinatal choline supplementation in a mouse model of Rett Syndrome.” The Wellcome Trust Centre for Cellular Biology, University of Edinburgh
- 2009 “Nutrition and Rett syndrome: Using a micronutrient to treat a genetic disorder.” Keynote address for the Annual Psi Chi Induction Ceremony. The University of Albany, Albany NY
- 2010 “Treating Rett syndrome: focusing on the cholinergic system in a mouse model” Grand Rounds, Tufts University Medical Center, Boston, MA
- 2011 “Comprehensive review of cognitive, anxiety, and social deficits in mouse models of Rett syndrome” NIH-sponsored workshop on Setting Priorities for Therapy Development in Rett syndrome, Washington DC
- 2012 “The One-carbon metabolic cycle and dysfunctional neural circuits in mouse

- models of autism” Keystone Symposium on Synapses and Circuits. Steamboat, CO
- 2012 “Genetic and epigenetic interactions in autism: from basic science to public policy” IBNS symposium, Kona, HI
- 2012 “Studying Rett syndrome at Tufts: Focusing on treatments in a mouse model” Parent’s Weekend Symposium, Tufts University, Medford, MA
- 2015 “Jake Pruitt and the Fierce Urgency of Now” Commencement Speech, Greenwich Academy, Greenwich CT
- 2016 “Of Mice and Men and Girls and Autism” 23rd Annual Research Symposium, Morgan State University, Baltimore, MD
- 2017 “Diversity & Inclusion in Academia and the Public Good” Yale Center for Teaching & Learning: Diversity & Education Series. Yale University, New Haven, CT
- 2018 “Dream Big, Be Bold, and Take Others Along for the Ride” Keynote, REACH Prep Academy, Stamford, CT

STUDENTS AND FELLOWS TRAINED

25 Undergraduate theses students and 15 minority mentees (years worked in laboratory; final degree; current or last known positions listed)

Thesis/Independent Study

Elizabeth Buffalo (92) PhD. Associate Professor of Neurology, Emory University
Kafi Meadows (92-93) PhD. Research Fellow, Beth Israel
Joanne Jenkins (92-93) M.D.
Maitreyi Sharma (92-93) M.D.
Jennifer Mills (93-94) M.D.
Amy Enders (93-94) Head of Public Relations, Neurogen
Amy Arnold (93-94) M.P.H. Clinical Researcher, Pfizer Pharm.
Darleen Gabeau (93-94) M.D./PhD; Assist. Professor, Einstein Med. College
Danielle Jones (95-96) M.D.
Megan Libbey (95-96) Ph.D., Program Officer, N.I.H.
Katrina Van Dellen (96/97) Ph.D., Harvard Univ.
Suzanne Henry (97-98) Ph.D. Neuroscience. Rabbinical studies and Bioethics
Dorothy Jones (98), Ph.D., U. Michigan, postdoctoral fellow AAAS
Kyra Lit (99) M.B.A., Georgetown. Program Officer Millennium Challenge Corp.
Jill White (00) M.S., Neuroscience, Univ. Chicago.
Pascale Belizaire (00) J.D., Baton Rouge, LA
Shani Delaney (01) M.D., U.C.S.F.

Binta Beard (02) Ph.D., Harvard School of Public Health
Lauren Brownlee (03) Elementary Teacher
Shoshana Maxwell (05) M.P.H., Oregon State University. Project Manager,
Biomed Research Partnership
Miriam Gay-Antaki (06-07) graduate student, University of Arizona
Marie Andree Lopez (07) Research technician
Loren Saulsbury (06- present)
Laurie Burlingame (98-99) J.D.; M.S. Neuroscience
Laura Schaevitz (99-00) Ph.D. Stanford; postdoctoral fellow, Tufts University
Andra Dingman (00-01) M.D. Staff research associate, U.C.S.F.
Yolanda Huang (02-03) M.D./Ph.D. U.N.C., Chapel Hill
Elizabeth Storer (03-04) Ph.D. Tufts University; postdoctoral fellow University of Iowa
Kathryn Swann (04-05) M.D., Obstetrics, San Antonio.
Heather Bowling (05-06) Ph.D. student, New York University
Hillary Chu (06-09) Research Technician, Children's Hospital, Boston
Jennifer Moriuchi (06-09) Ph.D. student/Emory University
Natalie Chen (07-08) Research Technician, N.I.H.
Carla Lopez (08 – 11) M.D./Ph.D. student, Yale Medical School
Nicholas Gomez (10- 13), Research Fellow, Harvard Medical School
Daniel Zhen (10- 14), M.D. student, Tufts Medical School
Alexandra Marzolf (11- 13), Tufts undergraduate thesis student

Postdoctoral/Research Fellows (total of 4)

Karyn M. Frick (96 – 00) Professor of Psychology, U Wisconsin, Milwaukee, WI
Nupur Nag (04 – 08) Research Scientist, University of Melbourne, Melbourne Australia
Bonnie Ward (05 – 08) Adjunct Professor of Psychology, Otterbein University, Westerville,
OH
Laura Schaevitz (07 – 2014) Global Head of Research and Development, Mouser, Milpitas,
CA