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Neurobiology Laboratory  
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## **CURRENT TITLE**

2019-present	Senior Investigator, Developmental Neurobiology Group, National Institutes of Health, NIEHS
2009-2019	Tenure Track Investigator, Developmental Neurobiology Group, National Institutes of Health, NIEHS

## **EDUCATION and TRAINING**

1993	B.S., Microbiology, Florida Atlantic University
1997-2002	Ph.D., Anatomy and Neurobiology University of Tennessee Health Science Center, EmSEblcr ISLAAL!

1997-1999	Neuroscience Predoctoral Fellowship, Center for Neuroscience University of Tennessee Health Science Center
2000	Society for Neuroscience Chapters Travel Award
2000-2002	Neuroscience Predoctoral Fellowship, Center for Neuroscience University of Tennessee Health Science Center
2006-2008	Charles H. Hood Foundation Fellowship
2008-2009	William Randolph Hearst Fellowship

## PROFESSIONAL ACTIVITIES

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### Membership to Professional Organizations

1997-present	Society for Neuroscience
2009-2011	Society for Serotonin Research
2011-present	Catecholamine Society
2014-present	Triangle Chapter, Society for Neuroscience
2019	International Behavioural and Neural Genetics Society

### Ad Hoc Reviewer

*Nature Neuroscience*  
*Molecular Psychiatry*  
*Biological Psychiatry*  
*Journal of Clinical Investigation*  
*Brain Research*  
*Brain Structure & Function*  
*PLoS One*  
*The Anatomical Record*  
*Journal of Neuroscience*

### Extramural Service

2011	Panelist, UNC Chapel Hill Career Development Symposium
2011	Panelist, Duke University Managing a Lab Symposium
2014-present	Member, Outreach Committee, Triangle Chapter, Society for Neuroscience
2014-present	Member, Executive Committee, Triangle Chapter, Society for Neuroscience
2014	Organizer, Town Hall Meeting with Congressman David Price (D-NC), Triangle Chapter, Society for Neuroscience
2014	Chair, Developmental Neurobiology Social, Society for Neuroscience Annual Meeting, Washington, DC
2014-2016	President-Elect, Triangle Chapter, Society for Neuroscience
2015	Organizer, Triangle Chapter, Society for Neuroscience, Annual Spring Conference

2016	Organizer, Triangle Chapter, Society for Neuroscience, Annual Spring Conference
2016-present	President, Triangle Chapter, Society for Neuroscience
2017	Organizer, Triangle Chapter, Society for Neuroscience, Annual Spring Conference
2017	Chair, Developmental Neurobiology Social, Society for Neuroscience Annual Meeting, Washington, DC
2018	Organizer, Triangle Chapter, Society for Neuroscience, Annual Spring Conference
2019	Panelist, Professional Development Workshop, International Behavioural and Neural Genetics Society, 21 <sup>st</sup> Annual Meeting, Edinburgh, Scotland

### **Intramural Service**

2010	Panelist, NIEHS Trainee Grant Writing Workshop
2010	Member, NIH Earl Stadtman Investigator Search Committee, Neurobiology
2010-present	Member, NIEHS Women of Science Group
2011	Panelist, NIEHS Summer Internship Program, Career Options in the Biomedical Sciences
2011	Speaker, NIEHS Summer Internship Program, The Environment and the Developing Brain
2012	Member, NIEHS Animal Program Director Search Committee
2012-2017	Organizer, NIEHS Neurobiology Laboratory Seminar Series
2013	Member, NIEHS Staff Scientist Search Committee, Mammalian Genome Group
2013	Chair, NTP Staff Scientist Search Committee, Neurodevelopmental Toxicologist
2013-2017	Member, NIEHS Radiation Safety Committee
2014	Participant, NIEHS Supervisory Leadership Development Program
2016	Member, NIEHS Deputy Chief of the Comparative Medicine Branch Search Committee
2016	Member, NIEHS Neurobehavioral Core Manager Search Committee
2017	Member, NIEHS Reproductive and Developmental Biology Laboratory TTI Search Committee
2018	Member, NIEHS Neurobiology Laboratory TTI Search Committee
2019	Member, NIEHS Renovation Lab user Group
2019	Co-Chair, Stadtman Search Neurodevelopment Committee

### **Invited Oral Presentations**

07/2008	Second EPBAR Serotonin Satellite Meeting, Oxford, England
04/2012	University of North Carolina, Chapel Hill, Neuroscience Seminar Series

05/2012	Cornell University, Department of Molecular Medicine Seminar Series
01/2013	Winter Conference on Brain Research, Breckenridge, CO
03/2013	Drexel College of Medicine, Anatomy and Neurobiology Seminar Series
11/2013	Duke University, Integrated Toxicology and Environmental Health Program Seminar Series
12/2013	National Institute on Drug Abuse, IRP Seminar Series
05/2014	University of British Columbia, Brain Research Center Seminar Series
06/2014	Plenary Lecture, Second Neural Circuit Colloquium, Montpellier, France
10/2014	Duke University, Department of Cell Biology Seminar Series
11/2014	44 <sup>th</sup> Annual Society for Neuroscience Meeting, Minisymposium, Noradrenergic Function and Dysfunction: New Insight from Selective Genetic Targeting of Locus Coeruleus, Washington, DC
05/2015	Wake Forest School of Medicine and the Western North Carolina Chapter of the Society for Neuroscience Seminar Series
06/2015	National Institute on Drug Abuse, IRP Seminar Series
08/2015	Gordon Research Conference: Frontiers in Catecholamine Function from Synapses to Disease, Newry, ME
01/2016	Winter Conference on Brain Research, Breckenridge, CO
06/2016	Monitoring Molecules in Neuroscience 16 <sup>th</sup> International Conference, Gothenburg, Sweden
12/2016	North Carolina State University, Biological Sciences Seminar Series
05/2017	Keynote speaker, Celebration of Women in Science Research Symposium, Duke University
02/2019	Washington University Hope Center for Neurological Diseases Seminar Series
03/2019	Emory University, Department of Pharmacology and Molecular & Systems Pharmacology Seminar Series
04/2019	Iowa State University, Department of Biomedical Sciences Seminar Series
05/2019	Simons Initiative for the Developing Brain Symposium, University of Edinburgh, Edinburgh, Scotland
05/2019	International Behavioural and Neural Genetics Society, 21 <sup>st</sup> Annual Meeting, Edinburgh, Scotland
06/2019	Rowan University, Cell Biology Seminar Series
08/2019	Gordon Research Conference. Complexity and Diversity in Catecholamine Neurobiology: From Molecule to Circuits to Behavior, Newry, ME
10/2019	50 <sup>th</sup> Annual Society for Neuroscience Meeting, Minisymposium, Redefining Neuromodulation of Behavior: Impact of a Modular Locus Coeruleus Architecture, Chicago, IL
01/2020	Winter Conference on Brain Research, Big Sky, MT

02/2020	NCSU-Center for Human Health and the Environment Meeting, Raleigh, NC
03/2020	Alcohol and the Nervous System Gordon Research Conference, Galveston, TX
04/2020	Yale School of Medicine, Department of Psychiatry Seminar Series
06/2020	St. Jude Children's Research Hospital, Department of Developmental Neurobiology Seminar Series

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**Current**

06/2014-present	Natale Sciolino, Ph.D., Postdoctoral Fellow
02/2015-present	Irina Evsyukova, Ph.D., Research Fellow
10/2018-present	Leslie Wilson, Ph.D., Postdoctoral Fellow
03/2019-present	Catherine Mason, Postbaccalaureate IRTA
06/2019-present	Naudia Gay, Undergrad. Saint Augustine's University, Raleigh, NC

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06/2017-08/2017	Keandra Jenkins, Undergraduate student UNC-Chapel Hill, NIEHS Scholars Connect
06/2017-04/2018	Janiece Morgan, Undergraduate student Duke University, NIEHS Scholars Connect Current position: applying to medical school
06/2018-04/2019	Yasmine Hossamy, Undergrad. NC State University, NIEHS Scholars Connect. Current position: Undergrad. NC State
07/2017-06/2019	Jeanne Powell, PostBac IRTA Current position: Emory Ph.D. program in Psychology, Neuroscience and Animal Behavior; Recipient of George W. Woodruff Fellowship

#### **Former Summer Students/Volunteers**

06/2012-08/2013	Forrest Ashworth, Student, NC School of Science and Mathematics Placement: Undergraduate student UNC-Chapel Hill
05/2015-07/2016	Daniel Malawsky, Student, Univ. of North Carolina School of the Arts Current position: Morehead-Cain Scholar, UNC-Chapel Hill; Churchill Scholarship, University of Cambridge
05/2015-07/2015	Ying Chen (Bailey) Lien, Undergraduate student, Udall Scholar, University of Pittsburg Current position: Medical student, Lewis Katz School of Medicine, Temple University
06/2016-08/2017	Sofia Pauca, Student, Mount Tabor High School, Winston-Salem, NC Current position: Undergraduate student, Princeton University
06/2016-06/2017	Cindy Yang, Student, Glenbrook South High School, Glenview, Illinois Current position: Undergraduate student, MIT
05/2017-07/2017	Jonathan Scher, Undergraduate student, University of Michigan-Ann Arbor
05/2018-12/2018	Hannah Yoder, Student, Research Triangle High School, Durham, NC Current position: Undergraduate student, Wake Forest University
05/2019-current	Casey Baird, Undergraduate student, NCSU

#### **Trainee Awards/Honors**

2012	Catecholamine Society Travel Award to Jacqueline de Marchena
2012	Irwin J. Kopin Travel Fellowship to Sabrina Robertson
2012	NC International Science Challenge to Forrest Ashworth
2012	2013 NIH Fellows Award for Research Excellence (FARE) to Jacqueline de Marchena Powell
2013	NIEHS Summer Internship Program, Best Poster Presentation to Forrest Ashworth
2013	NIEHS Science Day, Best Oral Presentation to Sabrina Robertson
2013	<a href="#">Research Featured in NIEHS Environmental Factor, September</a> Robertson, Plummer <i>et al</i> , <i>Nature Neuroscience</i>

2013	Intramural Paper of the Month, NIEHS Environmental Factor, October Robertson, Plummer <i>et al</i> , <i>Nature Neuroscience</i>
2013	<a href="#"><u>NIEHS Paper of the Year</u></a> . Robertson, Plummer <i>et al</i> , <i>Nature Neuroscience</i>
2013	<a href="#"><u>Research highlighted on NIH Intramural Research Program Accomplishments website</u></a> . Robertson, Plummer <i>et al</i> , <i>Nature Neuroscience</i>
2013	2014 NIH Fellows Award for Research Excellence (FARE) to Sabrina Robertson
2015	NIEHS Summer Internship Program, Best Poster Presentation to Bailey Lien
2015	<a href="#"><u>Research Featured in The Jackson Laboratory News and Insights, December</u></a> . Plummer <i>et al</i> , <i>Development</i> .
2016	Intramural Paper of the Month, NIEHS Environmental Factor, February Plummer <i>et al</i> , <i>Development</i>
2016	2017 NIH Fellows Award for Research Excellence (FARE) to Yu-Wei Chen
2016	<a href="#"><u>Research Featured in NIEHS Environmental Factor, July</u></a> Sciolino, Plummer <i>et al</i> , <i>Cell Reports</i>
2016	<a href="#"><u>Research featured in NIH Catalyst, a publication from NIH Office of the Director highlighting Intramural research, July-August</u></a> Sciolino, Plummer <i>et al</i> ., <i>Cell Reports</i>
2016	Intramural Paper of the Month, NIEHS Environmental Factor, September Sciolino, Plummer <i>et al</i> , <i>Cell Reports</i>
2017	NIEHS Summer Internship Program, Best Poster Presentation to Sofia Pauca
2017	NIEHS Scholars Connect Program, Best Poster Presentation to Janiece Morgan
2018	Society for the Study of Ingestive Behavior, New Investigator Travel Award to Natale Sciolino
2018	Society for Neuroscience-Triangle Chapter, Best Poster Presentation Travel Award to Natale Sciolino
2018	2019 NIH Fellows Award for Research Excellence (FARE) to Natale Sciolino
2018	NIEHS Scholars Connect Program, Best Poster Presentation to Yasmine Hossamy
2018	<a href="#"><u>Research Featured in NIEHS Environmental Factor, September</u></a> Chen <i>et al</i> , <i>Molecular Psychiatry</i>
2018	Intramural Paper of the Month, NIEHS Environmental Factor, October Chen <i>et al</i> , <i>Molecular Psychiatry</i>
2018	NIEHS Science Day, Best Poster Presentation to Irina Evsyukova
2018	<a href="#"><u>NIEHS Paper of the Year</u></a> . Chen <i>et al</i> , <i>Molecular Psychiatry</i>
2019	K99/R00 (NIDDK) to Natale Sciolino, Defining locus coeruleus-norepinephrine circuits in feeding

2019	Research selected to be highlighted on Chen et al, <i>Molecular Psychiatry</i>
2019	NIH Postbac Poster Day, Outstanding poster to Jeanne Powell
2019	NIEHS Scholars Connect Program, Best Poster Presentation to Naudia Gay
2019	2020 NIH Fellows Award for Research Excellence (FARE) to Irina Evsyukova

### Thesis/mentoring committees

2015-present	Esteban Oyarzabal, laboratory of Ian Shih, University of North Carolina, Chapel Hill
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### BIBLIOGRAPHY

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<https://www.ncbi.nlm.nih.gov/labs/bibliography/patricia.jensen.1/bibliography/public/>

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Yang H, **Jensen P**, Goldowitz D. The community effect and Purkinje cell migration in the cerebellar cortex: Analysis of scrambler chimeric mice. *Journal of Neuroscience* (2002) 22: 464-470. PMID: 11784791.

**Jensen P**, Zohngbi H, Goldowitz D. Dissection of the cellular and molecular events that position cerebellar purkinje cells: a study of the math1 null-mutant mouse. *Journal of Neuroscience* (2002) 22:8110-8116. PMID: 12223565.

Lee Y, Miller HL, **Jensen P**, Hernan R, Connelly M, Wetmore C, Zindy F, Roussel MF, Curran T, Gilbertson RJ, McKinnon PJ. A molecular fingerprint for medulloblastoma. *Cancer Research* (2003) 63:5428-5437. PMID: 14500378.

**Jensen P**, Smeyne R, Goldowitz D. Analysis of cerebellar development in math1 null embryos and chimeras. *Journal of Neuroscience* (2004) 24:2202-2211. PMID: 14999071.

**\*Jensen P**, \*Magdaleno S, Lehman KM, Rice DS, Lavallie ER, Collins-Racie L, McCoy JM, Curran. A neurogenomics approach to gene expression analysis in the developing brain. *Molecular Brain Research* (2004) 132:116-127. **\*Equal contribution**. PMID: 15582152.

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\*Magdaleno S, **\*Jensen P**, Seal A, Lehman K, Asbury A, Cheung T, Cornelius T, Batten DM, Eden C, Norland S, Rice DS, Dossooye N, Shakya S, Mehta P, Curran T. The brain gene map (BGEM): A database containing in situ hybridization data of gene expression in the developing and adult mouse nervous system. *PLoS Biology* (2006) Apr;4(4):e86. **\*Equal contribution**. PMID: 16602821 PMCID: PMC1413568.



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\***Jensen P**, \*Farago AF, Awatramani RB, Scott MM, Deneris ES, Dymecki SM. Redefining the serotonergic system by genetic lineage. *Nature Neuroscience* (2008) 11:417-19. \***Equal contribution** PMID:18344997; PMCID: PMC289716.

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**Jensen P** and Dymecki SM. Essentials of recombinase-based genetic fate mapping in mice. *Methods in Molecular Biology* (2014) 1092:437-54. PMID: 24318835; PMCID: PMC4035813.

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Whissell P, Bang J, Khan I, Xie Y, Parfitt G, Grenon M, Plummer NW, **Jensen P**, Bonin R, and Kim JC. Selective activation of cholecystokinin-expressing GABA (CCK-GABA) neurons enhances memory and cognition. *eNeuro* (2019) PMID:30834305; PMCID: PMC6397954.

Chandler DJ, **Jensen PJ**, McCall JG, Pickering AE, Schwarz LA, Totah NK. Redefining noradrenergic neuromodulation of behavior: impacts of a modular locus coeruleus architecture. *Journal of Neuroscience* (In press). **All authors contributed equally**