

Caitlin M. Taylor

Postdoctoral Fellow, Neuroscience and women's health
University of California, Santa Barbara

847-727-0424
cmtaylor@ucsb.edu

EDUCATION

- 2010–2016 **Ph.D. Neuroscience**
Georgetown University, Washington, DC
Advisor: *Guinevere Eden, D.Phil.*
- 2003–2007 **B.S. Psychology, B.A. French**
Indiana University, Bloomington, IN
Academic Honors: Phi Beta Kappa, Psi Chi, High Distinction
- 2006–2007
Université Paris Diderot, Paris, France
Academic Programs International/UMass Amherst Academic Year Study Abroad

RESEARCH EXPERIENCE

- 2017–Present **Postdoctoral Fellow**, University of California, Santa Barbara
Hormone-Based Medication Use its Impact on Brain Morphology and Function
Department of Psychological and Brain Sciences
- 2010–2016 **Graduate Researcher**, Georgetown University
Experience-Dependent Modulation of the Neural Substrates of Visual Motion Processing
Department of Pediatrics
- 2007–2010 **Research Assistant**, Rehabilitation Institute of Chicago
Center for Rehabilitation Outcomes Research
- 2007–2010 **Research Assistant**, Loyola University Chicago
Chicago Healthy Adolescents Transition Study

FUNDING

- 2019–2020 Harvey L. Karp Discovery Award, \$47,000 one-year research award
- 2018–2020 UCSB SAGE Center for the Study of the Mind Junior Fellow, \$20,000 two-year fellowship
- 2016 Georgetown Career Development Initiative Training Award – \$400
- 2016 Georgetown Medical Center Graduate Student Organization Course Grant – \$900

AWARDS, SCHOLARSHIPS, AND RECOGNITION

- 2020 Young Investigator Award, Women's Brain Health Conference
- 2020 Organization for the Study of Sex Differences, Travel Award
- 2018 Florence P. Haseltine Award for outstanding poster presentation by a new investigator
- 2010–2012 Georgetown University Merit Scholarship
- 2006–2007 Dean D. and Jo Ann Aulick Award for Academic Excellence
- 2006 Phi Beta Kappa
- 2006 Psi Chi
- 2003–2007 Indiana University Faculty Award for Academic Achievement
- 2003–2007 Indiana University Dean's List
- 2003–2007 Indiana University Hutton Honors College

PUBLICATIONS & MANUSCRIPTS

Taylor CM, Pritschet L, Jacobs EG. The scientific body of knowledge - whose body does it serve? A spotlight on oral contraceptives and women's health factors in neuroimaging. *Frontiers in Neuroendocrinology*, 100874.

Mueller JM, Pritschet L, Santander T, **Taylor CM**, Grafton ST, Jacobs EG. Distinct phases of network reorganization over the course of one reproductive cycle. *Network Neuroscience, in press*

Taylor CM, Pritschet L, Olsen RK, Layher E, Santander T, Grafton S, Jacobs EG. (2020) Progesterone shapes medial temporal lobe volume across the human menstrual cycle. *NeuroImage*, 220, 117125.

Pritschet L, Santander T, **Taylor CM**, Layher E, Yu S, Miller MB, Grafton ST, Jacobs EG. (2020) Functional reorganization of brain networks across the human menstrual cycle. *NeuroImage*, 220, 117091.

Taylor, CM, Pritschet, L, Yu, S, & Jacobs, EG. (2019). Applying a women's health lens to the study of the aging brain. *Frontiers in human neuroscience*, 13, 224.

Taylor, CM, Olulade, O, Luetje, M, & Eden, G. (2018). An fMRI study of coherent visual motion processing in children and adults. *NeuroImage*, 173, 223–239.

Ullrich L, Dumanis S, Evans T, Jeannotte A, Leonard C, **Taylor C**, Rozzi S, Gale K, Kanwal J, Wolfe B, Forcelli P. (2014). From student to steward: The Interdisciplinary Program in Neuroscience at Georgetown University as a case study in professional development during doctoral training. *Med Educ Online*; 19:10.3402

CONFERENCE PRESENTATIONS

Taylor C. Progesterone Shapes Medial Temporal Lobe Volume Across a Human Menstrual Cycle. Oral presentation given at the Women's Brain Health: Young Investigator Symposium, virtual from Vancouver, BC, May 2020.

Taylor C, Pritschet L, Layher E, Santander T, Grafton S, Jacobs E. Human hippocampal subfield volume variability across one complete reproductive cycle. Poster presented at the Organization for Human Brain Mapping, Rome, Italy, Jun 2019.

Pritschet L, Santander T, Layher E, **Taylor C**, Yu S, Miller M, Grafton S, Jacobs E. Estradiol shapes resting state functional connectivity strength over a complete reproductive cycle" Poster presented at the Organization for Human Brain Mapping, Rome, Italy, Jun 2019.

Taylor C, Jacobs E. Impact of oral hormonal contraceptives on the CNS: Developing a population neuroimaging study. Poster presented at Society for Neuroscience, San Diego, CA, Nov 2018.

Taylor C, Jacobs E. Determining the impact of oral hormonal contraceptives on the central nervous system: a large-scale population neuroimaging study. Poster presented at Organization for Study of Sex Differences, Atlanta, GA, May 2018.

Taylor C, Flowers D, Napoliello E, VanMeter J, Eden G. Anatomical-behavioral relationships for reading and reading-related skills in children and adults. Poster presented at Organization for Human Brain Mapping, Honolulu, HI, June 2015.

Taylor C, Olulade O, Luetje M, Eden G. An fMRI study of visual motion processing in area V5/MT in typical readers. Poster presented at Society for Neuroscience, Washington, DC, Nov 2014.

Forcelli F, Queenan B, **Taylor C**, Leonard C, Ullrich L. Collaborative student-faculty curricular design and teaching: Summer course and boot camp. Poster presented at Society for Neuroscience, San Diego, CA, Nov 2013.

Kinney C, Rozzi S, **Taylor C**. Hot Topics in Health Science: Improving scientific communication through public seminars. Poster presented at Society for Neuroscience, New Orleans, LA, Oct 2012.

TEACHING EXPERIENCE

University of California, Santa Barbara

Instructor of Record

Summer 2019, 2020 Introduction to Cognitive Psychology (PSY-108)

Georgetown University

Course Co-Director

2011–2016 Experiences in Neuroscience (NSCI-984)

Lectures (Summer):

2014 *Intro and History of Neuroscience; Limbic System; Comparative Anatomy*
2013 *Intro and History of Neuroscience; Sensation; Limbic Anatomy*
2012 *Visceral Systems; Summer Course Review*
2011 *CNS Anatomy Recap*

2012–2014 Neuroscience Recitation (NSCI-511)

Lectures (Fall–Spring):

2013–14 *Auditory and vestibular systems; Sensation; Motor systems; Neural dynamics, repair & regeneration; Regulatory systems; Attention & executive function; Learning & Memory; Cognition*
2012–13 *Regulation of motor function: basal ganglia & cerebellum; Behavior; Neural development, injury, and repair*

Graduate Teaching Fellow

Fall 2011 Social and Affective Neuroscience (PSYC–235; Director: *Dr. A. Marsh*)

Lecture:

Fall 2011 *Sex Differences in the Brain*

Pedagogical Training

2012–2016 *Apprenticeship in Teaching Program*
Center for New Designs in Learning & Scholarship, Georgetown University

2014 *Scientists Teaching Science: 2hr workshop and 9-week online course*
National Institutes of Health

INVITED LECTURES

Feb 2019 *'The Birth Control Pill: What is it and what does it do to the brain?'*
Behavioral Endocrinology (PSY-137; Director: *Dr. E. Jacobs*)
University of California, Santa Barbara

Feb 2019 Special Topics – Hormones & Cognition (PSY-163; Director: *Dr. E. Jacobs*)
University of California, Santa Barbara

May 2018 Behavioral Endocrinology (PSY-137; Director: *Dr. E. Jacobs*)
University of California, Santa Barbara

Apr 2018 SBCC NeuroClub (Director: *Dr. L. Tolentino*)
Santa Barbara Community College

Feb 2018 *'Effects of Oral Contraceptives on Brain Structure'*
Contemporary Issues in Biopsychology (PSY-163; Director: *Dr. E. Jacobs*)
University of California, Santa Barbara

MENTORING

Elisabeth Rindner	Mentoring for senior honors thesis (present) Currently an undergraduate at UCSB
Annjelika Slate	Mentored on research methods, data collection and analysis (2019–2020) Currently an undergraduate at UCSB
Margaret Hayes	Mentored on data collection, analysis, and senior thesis (2018–2020) Currently the Brain Imaging Center Administrative Assistant at UCSB
Julia Woods	Mentored on data collection and study design (2018–2019) Currently a medical student at University of Wisconsin – Madison
Courtney Kenyon	Mentored on fMRI design and analysis (2018–2019) Currently an undergraduate at UCSB
Audrey Murphy	Mentored on study design and data analysis (2018–2019) Currently a high school senior at Laguna Blanca High School

ACADEMIC SERVICE

2019–Present	UCSB Unit Chair UAW Local 5810 UC Postdoctoral Union, University of California, Santa Barbara
2020	Organizer – <i>Why Study the Individual</i> , 3-day workshop to discuss the role of densely-sampling the individual in modern neuroscience SAGE Center for the Study of the Mind, University of California, Santa Barbara
2019	Organizer – <i>Kavli Brain Lunches</i> , bi-weekly lunches to promote communication and collaboration between brain researchers on the UCSB campus SAGE Center for the Study of the Mind, University of California, Santa Barbara
Jan 2019	Organizer, Emcee – <i>Kavli BRAIN Showcase</i> , a half-day symposium highlighting brain-related research from departments across UCSB University of California, Santa Barbara
2017–2019	UCSB Elections Committee Representative UAW Local 5810 UC Postdoctoral Union, University of California, Santa Barbara
2014–2016	Creator, editor, contributor – IPN Newsletter , neuroscience.georgetown.edu/newsletter.html Interdisciplinary Program in Neuroscience, Georgetown University
2013–2016	Grant Reviewer – Student Research Grants Program Medical Center Graduate Student Organization, Georgetown University
2012–2016	IPN Webmaster Interdisciplinary Program in Neuroscience, Georgetown University
2013–2014	IPN Student Government President Interdisciplinary Program in Neuroscience, Georgetown University
2011–2012	IPN Admissions Committee Interdisciplinary Program in Neuroscience, Georgetown University
2010–2012	IPN Curriculum Committee Interdisciplinary Program in Neuroscience, Georgetown University

PUBLIC ENGAGEMENT

2017–Present	Founder, Director
2011–2013	500 Women Scientists – Santa Barbara Pod, Santa Barbara, CA Hot Topics in Health Science Public Seminar Series, MLK Jr. Public Library, Washington, DC
	Organizer, Moderator
Apr 2019	Women in STEM Speed-Mentoring Event
Apr 2018	Women in STEM Career Development Workshop
Oct 2017	Women in STEM Speed-Mentoring Event 500 Women Scientists – Santa Barbara Pod
	Science Advocate
Mar 2016	Capitol Hill Day, Society for Neuroscience, Washington, DC
	Science Outreach
2017–Present	Brainiacs Elementary School Visits, University of California, Santa Barbara
May 2018	Laguna Blanca School MRI Visit
Oct 2017	Knox School MRI Visit Leader
Feb, May 2017	Curie-osity Project/Girls Inc. Lab Tour Guide Covered by NPR: https://tinyurl.com/npr-curie-osity
Mar 2012–2015	Motor Reflexes Station Leader, Brain Awareness Week Medical Center Graduate Student Organization, Georgetown University
	Invited Speaker
Apr 2018	<i>'Estrogen and the Brain: A dynamic relationship across the lifespan,'</i> Science Pub Museum of Natural History, Santa Barbara, CA
Jan, Mar 2018	<i>'Happiness and the Brain,'</i> Synthesis Unit Anacapa School, Santa Barbara, CA
	Science Fair/Brain Bee Judge
Mar 2017, 2019	Santa Barbara County Science Fair, Santa Barbara, CA
Feb 2013–2016	Key Elementary School Science Fair, Washington, DC
Mar 2012–2015	Brain Bee, Brain Awareness Week, AAAS, Washington, DC
	Workshop Leader
Oct 2017	<i>'A User's Guide to the Brain,'</i> I Heart STEM Conference UCSB Women's Center, University of California, Santa Barbara
May 2017	<i>'Making Up Your Mind,'</i> Tech Savvy STEM Conference American Association of University Women & UCSB Women's Center, UCSB

PROFESSIONAL SOCIETIES

2016–Present	Organization for the Study of Sex Differences
2015–Present	Association for Women in Science
2014–Present	American Association for the Advancement of Science
2011–Present	Society for Neuroscience
2013, 2015	Organization for Human Brain Mapping
2012	Cognitive Neuroscience Society

OTHER SKILLS

Software: Microsoft Office Suite, MATLAB, SPM, CONN Toolbox, R Studio, ITK-Snap, html, drupal

Hardware: Windows and Apple OS X platforms

Languages: English – native language, French – conversational