

Margaret Bell, Ph.D.

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Education

- PhD in Neuroscience, 2012. Michigan State University
 - Dissertation: Adolescent Development of Behavioral and Neural Responses to Social Stimuli with Dr. Cheryl Sisk.
- B.A. in Biology (Specialization in Neuroscience), 2006. Boston University

Academic Appointments

- Assistant Professor, DePaul University, Departments of Biological Sciences and Health Sciences.
 - September 2016 to present.
- Postdoctoral Fellow, University of Texas at Austin College of Pharmacy, Austin, TX.
 - June 2012 to June 2016 with Dr. Andrea Gore.

Teaching Experience

- BIO 250, Cell Biology, Fall 2016 and 2017, Spring 2020, DePaul University. Lead instructor for course covering the basics of cellular biology and lab instructor. Created presentation materials and facilitated in-class learning. Migrated to remote learning with integrative learning experiences including research proposals.
- HLTH 202, Health Research Literacy, Spring 2020, DePaul University. Instructor for course orienting students to reading scientific literature regarding observational and experimental studies of health. Structured course to include more introductory statistics and curated papers to focus on effects of inequality and chronic health conditions.
- BIO 191, Introduction to Biology 1 Lab, Winter 2019 and 2020, DePaul University. Instructor for two laboratory sections where students explored concepts surrounding macromolecules, enzyme activity, and cell division and reproduction.
- HLTH 380, Special Topics: Physiology of Poverty, Winter 2018 and 2019, DePaul University. Instructor for course seeking to understand the physiological mechanisms by which low socioeconomic status affects health. Created all new course material including scientific textbooks, popular science books, and primary literature for an interactive lecture and discussion format.
- BIO 386/486, Introduction to Endocrinology, Spring 2017-2019, DePaul University. Instructor for course covering endocrinology at a molecular, cellular, and physiological level. Created all course material for interactive lecture and seminar format.
- HLTH 301, Integrated Human Anatomy and Physiology A, Winter 2017, DePaul University. Instructor for course covering skeletal, muscular, neural, and endocrine systems. Created presentation materials and revised lab exercises.

- Zoology 402, Neurobiology, Fall 2011, Michigan State University. Instructor for course covering a wide range of neuroscience topics. Revised course syllabus, facilitated in-class learning, and restructured problem-based learning and assessment tools.
- Writing Group Facilitator, Spring 2011, Michigan State University. Led weekly writing group for Neuroscience graduate students as they worked on their initial first-author publication or grant. Also meet with Michigan State Writing Center staff to discuss progress of writing group and identify new ways to enhance the students' confidence in their writing and encourage productive feedback from students.
- Zoology 402, Neurobiology, Spring 2009, Michigan State University. Assisted with in-class problem-based learning and performed an assessment on the efficacy of problem-based peer instruction compared to traditional lecture-based instruction.
- Psychology 341K, Neuroplasticity and Behavior, Fall 2015, University of Texas at Austin. Guest lectured on endocrine disrupting chemicals and neuroplasticity.
- Pharmacology 253C, Function and Anatomy of Human Systems II, Spring 2014 and 2015, University of Texas at Austin. Guest lectured on sexual differentiation and reproduction.
- Biology 359K, Animal Sexuality, Spring 2014 and 2015, University of Texas at Austin. Guest lectured on endocrine disrupting chemicals and sexual differentiation.
- Psychology 209, Brain and Behavior, Spring 2007, Michigan State University. Guest lectured on neural development and led discussion sections on ethical implications of neuroscience topics.

Mentoring Experience, *indicates an underrepresented minority student

- Primary mentor of DePaul University undergraduate students:
 - Kameron Kaplan, volunteer Winter 2020 to present
 - Matt Lee, volunteer, Fall 2019 to present
 - Isiah Henry*, volunteer, Fall 2019 to present
 - Briiana Plourde*, volunteer, Fall 2019 to present
 - Yasmeen Lowe*, volunteer, Fall 2019 to present
 - Internship/experiential learning, Spring 2020
 - Ava Devaney, Research Assistant, Spring 2019 to present
 - Received USRP for Summer 2020
 - Kristina Bell, volunteer, Spring 2019 to present
 - Independent study in Winter 2020
 - Haley Fuller, volunteer, Fall 2018 to Spring 2019
 - Alyssa Guzman*, volunteer, Fall 2018 to Summer 2019
 - Debbie Liberman, Research Assistant Winter 2018 to present
 - Received URAP for Summer 2018 – Spring 2019
 - Simone Rhodes, Masters student Fall 2020 to present
 - Completed her honors senior thesis on microglial sex differences in Spring 2020
 - Received USRP for Summer 2018, URAP for Summer 2019 – Spring 2020
 - Undergraduate Research Assistant Winter 2018 to Spring 2020
 - Kathleen Fortune Fall 2018 to present
 - Received URAP for Summer – Fall 2020

- Katherine Walker, Masters student Fall 2018 to present
 - Completed an independent study (BIO 399) on microglia immunohistochemistry in Fall 2017
 - Undergraduate research assistant, Winter 2016 to Summer 2018
- Mariam Saleh*, URAP recipient Winter 2017 – 2018
- Hilvin Molina*, volunteer Fall 2017 – Summer 2018
- Oumou Barry*, volunteer Fall 2017 – Fall 2018
- Graduate Student Thesis Committees for DePaul University Masters students:
 - Zlata Bogin Spring 2020 – present
“tbd”
 - Maria Jazmin Rios* Spring 2018 – present
“Spatial and Temporal Patterns of Brown Rat Populations Related to Free-Roaming Cat Populations”
 - Sara Alharabi* Spring 2017 – Fall 2019
“The Impact of Temperature on the Early Stages of the Development of the Body Axis in the Model Species *Astyanax mexicanus* (Teleostei: Characidae)”
 - Shawna Yu,” Spring 2017 – present
Effect of Vitamin A Enrichment on Ovary Development in Mice that Overexpress the Inhibin Gene”
 - Rebecca Wilson Spring 2017 – Fall 2018
“Sex differences in response to repeat subconcussive events”
- DePaul Psychology Dissertation Reader for Mark Zinn, The Central Autonomic Network in Myalgic Encephalomyelitis Syndrome / Chronic Fatigue Syndrome (ME/CFS), Summer 2019
- DePaul Undergraduate Honors Thesis Reader for Jane Bradley, “Obstetric Violence in the United States: the Systemic Mistreatment of Women during Childbirth”, Spring 2017.
- Informal mentor of graduate students at UT Austin:
 - Alexandra Garcia*, Michael Reilly*, Viktoria Topper, Michelle Naugle, Krittika Krishnan. 2012-2016.
 - Moderated a weekly lab writing group for graduate students and other postdoctoral fellows to encourage progress on publications, grants, and dissertations.
- Primary mentor of Franklin University Summer Research Students at UT Austin
 - Karla Rodriguez*, Jun – Aug 2013: Presented poster on her data, is an author on a respective publication.
 - Ariel Dryden, Jun – Aug 2014: Presented poster on her data, is an author on a respective publication
- Primary mentor of undergraduates at UT Austin
 - Bethany Hart, Dec 2012 – Dec 2014: Presented two posters of her data and is second author on respective publication.
 - Spurthi Tarugu, Sept 2013 – May 2015
 - Tejaswi Marri, Sept 2014 – May 2015
 - Haben Tesfamariam*, Aug 2012 – Aug 2013
- Primary mentor of high school student at MSU:

- Joshua Paasawe*, Jun 2011-Aug 2011. Presented a poster of his data and is currently a student at Rochester University.
- Shared mentoring of undergraduates at MSU: Dana Gradl, Allison Melkonian, Joshua Olszewicz, Bradley Lawrence, Elise Craig, Shannon O’Conner, Susie Sonnenshine, Nicole Griep, Ashley Pratt, Robyn Weston, Genevieve Trombly, Jennifer La, Christine Azizkhan

Fellowships and Grants

- URC Competitive Course Release Grant, DePaul University
 - Project Title: Grant writing to support research on effects of an environmental contaminant on microglial cell function, *ex vivo* and *in vivo*.
 - PI, Fall 2020. In conjunction with participation in GWSW training, Summer 2020
- URC Summer Research Grant, DePaul University
 - Project Title: Effects of PCBs on microglial responses to immune challenge
 - PI, July 2020 – Aug 2020, \$4,000 for student worker and some reagents
- URC Competitive Research Grant, DePaul University
 - Project Title: Microglial mechanisms of PCB effects on adolescent affect and alcohol responses
 - PI, Jan 2020 – June 2021, \$3,500
- URC Competitive Research Grant, DePaul University
 - Project Title: Effects of an environmental contaminant on neuroimmune cells in vitro
 - PI, July 2019 – Dec 2020, \$3,500
- URC Competitive Research Leave Grant, DePaul University
 - Project Title: Effects of polychlorinated biphenyls on dopaminergic reward
 - PI, Fall 2019
- Faculty Summer Research Grant, DePaul University
 - Project Title: Effects of an environmental contaminant (PCBs) on neuroimmune cells in vitro
 - PI, July 2019 – Dec 2020, \$6,670
- Provost Collaborative Research Fellow Program Award, DePaul University
 - Project Title: Neuroendocrine and Psychological Mechanisms for Explaining the Impact of Social Support on Anxiety Symptoms
 - Co-PI with Jocelyn Carter, January 2019, \$20,000
- URC Competitive Research Grant, DePaul University
 - Project Title: Effects of an environmental contaminant on neuroimmune dopamine receptors.
 - PI, July 2018 – Dec 2019, for \$3,500 over 18 months
- QIC Competitive Instructional Grant, DePaul University
 - Project Title: Using a tablet to enhance student engagement in standard lecture classrooms
 - PI, Submitted March 15, 2018, not awarded
- Whitehall Foundation Neurobiology Research Grant
 - Project Title: Microglia in adolescent reward seeking

- PI, Submitted Letter of Intent January 2018. Not invited to submit application for full 3-year grant, \$75,000/year.
- Faculty Summer Research Grant, DePaul University
 - Project Title: Effects of an environmental contaminant (PCBs) on immune reactions in the brain
 - PI, June 2017 – Dec 2018, \$5,263
- URC Competitive Research Grant, DePaul University
 - Project Title: Effects of interacting environmental stressors on the midbrain dopaminergic system
 - PI, Dec 2016 – June 2018, \$3,500 over 18 months
- Ruth L. Kirschstein National Research Service Award, F32 ES 023291
 - Project Title: Prenatal and pubertal two hit PCB exposure on social behavior & neural correlates
 - PI, June 2014 – May 2015, National Institute of Environmental Health Sciences.
- Postdoctoral Fellowship on Toxicology Training Grant (T32 ES 724720)
 - June 2012-May 2014, University of Texas at Austin.
- Dissertation Completion Fellowship
 - Jan 2012 – May, 2012, Michigan State University Graduate School.
- Predoctoral Fellowship on Neuroscience Training Grant (T32 MH 070343),
 - Jan 2011 – Dec 2011, Michigan State University Neuroscience Program.
- Predoctoral Fellowship, Neuroscience Training Grant (T32 NS 044928)
 - Sept 2006 - May 2008, Michigan State University Neuroscience Program.
- Undergraduate Summer Fellowship,
 - June – August 2005, Karmanos Cancer Institute

Publications in refereed journals, *denotes undergraduate students

1. Deborah Liberman, Katherine Walker, Andrea C Gore, **Margaret R Bell**. 2020. Sex-specific effects of developmental exposure to polychlorinated biphenyls on neuroimmune and dopaminergic endpoints in adolescent rats. *Neurotoxicology and Teratology*, doi: 10.1016/j.ntt.2020.106880. *Special issue on sex differences in developmental toxicology*.
2. **Margaret R Bell**, Ariel Dryden*, Ryan G Will, Andrea C Gore. 2018. Effects of gestational polychlorinated biphenyl exposure on hypothalamic inflammatory and neuromodulator systems in neonatal rats. *Toxicology and Applied Pharmacology*, 353: 55-66
3. **Margaret R Bell**. 2018. Comparing postnatal development of gonadal hormones and associated social behaviors in rats, mice, and humans. *Endocrinology*. doi: 10.1210/en.2018-00220. *Invited Mini-review*.
4. Deena Walker, **Margaret R Bell**, Cecilia Flores, Joshua Gulley, Jari Willing, and Matthew Paul. 2017. Adolescence and Reward: Making Sense of Neural and Behavioral Changes Amid the Chaos. *Journal of Neuroscience*, 37 (45): 10855-10866.
5. Victoria L Nutsch, **Margaret R Bell**, Ryan G Will, Weiling Yin, Andrew Wolfe, Ross Gillette, Juan M Dominguez, Andrea C Gore. 2017. Aging and estradiol effects on gene expression in the medial preoptic area, bed nucleus of the stria terminalis, and posterodorsal medial amygdala of male rats. *Molecular and Cellular Endocrinology*, 442: 153-164.

6. Heather Molenda-Figuiera, **Margaret R Bell**, Kayla DeLorme, Cheryl Sisk. 2017. Pubertal pair-housing facilitates adult sexual behavior in male rats. *Developmental Psychobiology*, 59(1): 111-117.
7. **Margaret R Bell**, Bethany Hart*, Andrea Gore. 2016. Two-hit exposure to polychlorinated biphenyls at gestational and juvenile life stages: 2. Sex specific neuromolecular effects in the brain. *Molecular and Cellular Endocrinology*, 420:125-137.
8. **Margaret R Bell**, Lindsay Thompson, Karla Rodriguez*, Andrea Gore. 2016. Two-hit exposure to polychlorinated biphenyls at gestational and juvenile life stages: 1. Sexually dimorphic effects on social and anxiety-like behaviors. *Hormones and Behavior*, 78:168-177.
9. **Margaret R Bell**. 2014. Endocrine-disrupting actions of PCBs on brain development and social and reproductive behaviors. *Current Opinions in Pharmacology*, 19:134-144. PMC4298313. *Invited Review*.
10. **Margaret R Bell**, Sarah M Meerts, and Cheryl L Sisk. 2013. Adolescent brain maturation is necessary for adult-typical mesocorticolimbic responses to a rewarding social cue. *Developmental Neurobiology*, 73(11): 856-869. PMC4476406
11. Kayla De Lorme, **Margaret R Bell**, and Cheryl L Sisk. 2013. The Teenage Brain: Social Reorientation and the Adolescent Brain – the Role of Gonadal Hormones in the male Syrian Hamster. *Current Directions in Psychological Science*, 22(2): 128-133. PMC4489425. *Invited Review*
12. **Margaret R Bell** and Cheryl Sisk. 2013. Dopamine mediates testosterone-induced social reward in male Syrian hamsters. *Endocrinology*, 154(3): 1225-1234. PMC3678151.
13. **Margaret R Bell**, Kayla De Lorme, Rayson J. Figueira, Deborah A. Kashy, and Cheryl L Sisk. 2013. Adolescent gain in positive valence of a socially relevant stimulus: engagement of mesocorticolimbic circuitry. *European Journal of Neuroscience*, 37(3):457-468. PMC4476403. *Received commentary in journal and was source of cover image*
14. Kayla De Lorme, **Margaret R Bell**, and Cheryl L Sisk. 2012. Maturation of social reward in adult male Syrian hamsters does not depend on organizational effects of pubertal testosterone. *Hormones and Behavior*, 62(2): 180-185. PMC3422665.
15. **Margaret R Bell**, Sarah M Meerts, and Cheryl L Sisk. 2010. Male Syrian hamsters demonstrate a conditioned place preference for sexual behavior and female chemosensory stimuli. *Hormones and Behavior*, 58(3):410-414. PMC2919302.

Invited and Conference Presentations

1. “Adolescent brain sensitivity to pubertal gonadal hormones and environmental endocrine disruptors”, as part of “Puberty and Brain Development” Symposium at 32nd Association for Psychological Science meeting. Chicago, IL May 2020 *COVID-19 Canceled
2. “Impact of Environmental Contaminants on Brain and Behavior.” Neuroscience Seminar Series, DePaul University, Chicago, IL May 2018
3. “Environmental contaminants and the developing brain: Findings from a Rat-PCB Model.” Biology Seminar, Purdue University Northwest, Hammond, IN, Mar 2018
4. “Long-term effects of gestational exposure to polychlorinated biphenyls on dopamine and inflammation-related gene expression in rat brain. Seminar, University of Illinois Integrated Environmental Toxicology Program, Urbana-Champaign, IL Nov 2017.

5. "Adolescent changes in social reward and corticolimbic circuitry in the hamster." Minisymposium, Society for Neuroscience, Washington DC, November 2017.
6. "Sexually differentiated endocrine disrupting chemical effects on adolescent reward and dopaminergic neural circuitry." Symposium, Society for Behavioral Neuroendocrinology, Long Beach, CA, June 2017.
7. "Gestational exposure to PCBs affect dopaminergic, endocrine, and inflammatory targets across the developing brain." Seminar, Rosalind Franklin University Medical School. North Chicago, IL, May 2017.
8. "Environmental contaminants and the developing brain: a PCB-rodent model." Seminar, DePaul University Department of Biological Sciences, Chicago, IL, March 2017.
9. "Endocrine disrupting chemicals: feeding healthy kids in a dirty world." Austin Academy of Nutrition and Dietetics Wellness Symposium, Austin, TX, February 2016.
10. "Effects of PCB Exposure on Rat Brain and Behavior: Timing and Life History Matter". Gordon Research Conference Meeting on Cellular and Molecular Mechanisms of Toxicity, Andover, NH, Aug 2015.
11. "Effects of Developmental EDC exposure on Brain and Behavior". Biology Department Seminar, Trinity College, San Antonio Texas, April 2014.
12. "Effects of Prenatal and/or Juvenile EDC exposure on Social and Anxiety Behaviors". Behavioral Neuroscience Seminar, University of Texas at Austin, October 2013.

Published Abstracts of Conference Posters

1. Katherine Walker, Simone Rhodes, **Margaret R Bell**. Developmental effects of polychlorinated biphenyls (PCBs) on activational morphology of microglial in the adult brain. Society for Behavioral Neuroendocrinology, June 2019 (and Chicago Society for Neuroscience, March 2019).
2. Deborah Liberman, Katherine Walker, Hilvin Molina, **Margaret R Bell**. Effects of an Environmental Contaminant on Midbrain Dopamine Signaling in an Adolescent Rat Model. Society for Behavioral Neuroendocrinology, June 2019
*Winner of Undergraduate Poster Award
(and DePaul University College of Science and Health Undergraduate Student Research Showcase, November 2018; and Chicago Society for Neuroscience, March 2019)
3. Wilson, R.J., Seyburn, S.G., Buechner, G., **Bell, M.R.**, & Kozlowski, D.A. (2018) Sex Differences in Behavioral Responses to repeat subconcussive impacts in the adult rat. International Neurotrauma Society Meeting, Toronto, Canada, August 2018.
4. Wilson, R.J., Seyburn, S.G. **Bell, M.R.** & Kozlowski D.A. (2018) Closed-head injury model of repeat subconcussion in the adult rat. Chicago Society for Neuroscience, Chicago, March 2018.
5. Katherine Walker, Mariam Saleh, and **Margaret R Bell**. Effects of Perinatal Polychlorinated Biphenyls (PCBs) on Dopaminergic and Inflammatory Gene Expression in the Adolescent Hypothalamus and Prefrontal Cortex in Rats. Endocrine Society Annual Meeting, March 2018.
6. **Margaret R Bell**, Ariel Dryden, Tejaswi Marri, and Andrea Gore. Endocrine disrupting actions of polychlorinated biphenyls on development and neuroinflammatory function in rats. Society for Behavioral Neuroendocrinology, June 2015.

7. Cheryl L. Sisk, **Margaret R Bell**, and Kayla C. De Lorme. Neuroendocrine mechanisms of adolescent maturation of social reward and proficiency. Flux Congress: The International Congress for Integrative Developmental Cognitive Neuroscience, September 2014
8. **Margaret R Bell**, Bethany G Hart, Karla Rodriguez, Michael P Reilly, and Andrea C Gore. Interactions Between Gestational and Adolescent Exposure to Endocrine Disrupting Chemicals on Adult Social Behavior and Neural Gene Expression. Endocrine Society Annual Meeting, June 2014
**Selected for Poster Preview Presentation*
9. Victoria L Nutsch, Ryan G Will, **Margaret R Bell**, Weiling Ying, Juan M Dominguez, Andrea C Gore. Estrogenic regulation of gene expression in the amygdala, preoptic area and BnST during aging in male rats. Endocrine Society Annual Meeting, June 2014.
10. **Margaret R Bell**, Michael P Reilly, Lindsay M Thompson, Viktoria Y Topper, Isaac Miller-Crews and Andrea C Gore. Interactions between gestational and adolescent exposure to endocrine disrupting chemicals on development and adolescent behavior: the two-hit hypothesis. Society for Behavioral Neuroendocrinology, June 2013
11. **Margaret R Bell** and Cheryl L Sisk. Dopamine-dependent social reward in male Syrian hamsters. Society for Behavioral Neuroendocrinology, June 2012.
12. **Margaret R Bell**, Kayla C. De Lorme, Sarah H. Meerts, Cheryl L Sisk. Testosterone-treated juvenile male Syrian hamsters show a conditioned place preference for vaginal secretions. Society for Neuroscience, November 2011.
13. **Margaret R Bell**, Sarah H Meerts, Kayla C De Lorme, Cheryl L Sisk. Behavioral and corticolimbic responses to a rewarding social cue mature over adolescence in male Syrian hamsters. Society for Behavioral Neuroendocrinology, June 2011.
14. Kayla C De Lorme, **Margaret R Bell**, Cheryl L Sisk, Adolescent acquisition of the rewarding value of female sensory stimuli is independent of pubertal gonadal hormones in male Syrian hamsters. Society for Behavioral Neuroendocrinology, June 2011.
15. **Margaret R Bell**, Rayson J. Figueira, and Cheryl L. Sisk. Pubertal change in activity of orexin neurons in male Syrian hamsters. Society for Neuroscience, November 2010.
16. **Margaret R Bell**, Rayson J. Figueira, and Cheryl L. Sisk. Pubertal development of mesocorticolimbic responses to female chemosensory cues in male Syrian hamsters. Society for Behavioral Neuroendocrinology, July 2010
17. Sarah H. Meerts, **Margaret R Bell**, Rayson J. Figueira, Allison M. Melkonian, Cheryl L. Sisk. Right under our nose: Prepubertal and adult male hamsters show different patterns of Fos expression in the olfactory bulb following vaginal secretion exposure. Society for Behavioral Neuroendocrinology, July 2010.
18. **Margaret R Bell**, Rayson J. Figueira, Bradley M. Lawrence, and Cheryl L. Sisk. Prepubertal and adult male Syrian hamsters show similar fos expression in response to female hamster vaginal secretions but different tyrosine hydroxylase expression in discrete subregions of the medial amygdala. Society for Neuroscience, October 2009.
19. **Margaret R Bell**, Heather Molenda-Figueira, Kayla M. De Lorme, and Cheryl L. Sisk. Adult male Syrian hamsters form a conditioned place preference for access to a receptive female hamster. Society for Behavioral Neuroendocrinology, June 2009.

20. **Margaret R Bell**, Kalynn M. Schulz, Samuel S. Pappas, Keith J. Lookingland, and Cheryl L. Sisk. Specificity of nucleus accumbens dopaminergic response to female pheromones develops during adolescence. Society for Neuroscience, November 2008.
21. **Margaret Bell**, Kaliris Salas-Ramirez, Cheryl Sisk. Cells are added to the medial amygdala during puberty in male Syrian hamsters (updated). Society for Neuroscience, November 2007.
22. **Margaret Bell**, Kaliris Salas-Ramirez, Cheryl Sisk. Cells are added to the medial amygdala during puberty in male Syrian hamsters. Society for Behavioral Neuroendocrinology, July 2007.
23. Caroly A. Shumway, Justin G. Scace, **Margaret R Bell**, Cichlid fish differing in habitat complexity show spatial ability differences in a maze. Society for Neuroscience, October 2006.

Undergraduate Student Conference Posters

1. Simone T. Rhodes, Kathleen M. Fortune, Deborah A Liberman, Kristina M. Bell, Yasmeen Lowe, Briana A. Plourdé, Ava E. Devaney, Margaret R Bell. Early life exposure to environmental contaminant (PCBs) alters display of motivated behavior in adolescent male and female rats. Chicago Society for Neuroscience March 2020; COVID-19 Cancelled.
2. Katherine A Walker, Ava Devaney, Kyle Kasparian, Eiron Cudaback, Margaret R Bell. Microglial responses to inflammatory cues are blunted by exposure to an environmental contaminant (pcbs) in male, not female, rat primary culture. Chicago Society for Neuroscience March 2020; COVID-19 Cancelled.
3. Simone Rhodes, Kristina Bell, Ava Devaney, Katie Fortune, Deborah Liberman, **Margaret R Bell**. Effects of early-life exposure to an environmental contaminant (PCBs) on affect and alcohol intake in adolescent rats. DePaul University College of Science and Health Undergraduate Student Research Showcase. November 2019.
4. Simone Rhodes, Katherine Walker, Margaret Bell. Using Immunohistochemistry to study the effects of an environmental contaminant (PCBs) on microglial activation. DePaul University College of Science and Health Undergraduate Student Research Showcase. November 2018.
5. Katherine Walker, Mariam Saleh, and **Margaret R Bell**. Effects of Perinatal Polychlorinated Biphenyls (PCBs) on Dopaminergic and Inflammatory Gene Expression in the Adolescent Hypothalamus and Prefrontal Cortex in Rats. Chicago Society for Neuroscience. March 2018.
6. Katherine Walker, **Margaret Bell**. Using Immunohistochemistry to study effects of exposure to environmental contaminants (PCBs) on microglia activation. DePaul University College of Science and Health Undergraduate Student Research Showcase. November 2017
7. Mariam Saleh, Katherine Walker, Andrea Gore, and **Margaret Bell**. Effects of Perinatal Exposure to Environmental Contaminants (PCBs) On Neural Reactions to an Inflammatory Challenge in Adolescent Rats. DePaul University College of Science and Health Undergraduate Student Research Showcase November 2017

Service

to the University

- Institutional Animal Care and Use Committee Member 2017 – present
 - Edited Standards of Care protocols for research facility and part of sub-committee

- tasked with forming a post-approval monitoring system.
- Grant Reviewer Feb 2017
DePaul University – Rosalind Franklin University Medical School Collaborative Grants to the College
 - Pre-health Advising Committee Fall 2019 - present
 - Reviewer for DePaul Discoveries March 2018
 - Judge for Undergraduate Research Showcase Nov 2016 - 2019
 - to the Department(s)
 - Neuroscience / Biology Faculty Search Committee Fall 2019 – Sprg 2020
 - Guest lecturer in the following classes:
 - HLTH 380 Research Ethics Oct 2019
 - NEU 301 Research Methods Oct 2019
 - HLTH 380 Environmental Health Sciences May 2019, 2020
 - Public Health Scholar Bowl Mar 2019
 - Gave presentation during Admitted Students Day April 2019 (HLTH) and April 2020 (BIO)
 - Biology Departmental faculty meeting minute-taker 2016-2017
 - to the Community
 - Visiting Scientist, Wilmette Early Childhood Education Center Feb 2020
Visited (my son's) preschool and did an experiment (data collection and all) on where salt goes when it disappears into water.
 - Science Night, Creative Paths Learning Center, Skokie IL Mar 2017
Visited (my son's) preschool with real sheep brains and human brain models to talk about how we can keep our brains healthy for learning.
 - Meet a Scientist Classroom Guest 2013-2014
Visited 4th grade classrooms at Laurel Mountain Elementary School in Austin TX as one of four scientists demonstrating possible educational and career opportunities.
 - PrimeTime Brains 2008-2011
East Lansing MI. Initiated, organized and presented information about the brain and issues concerning the elderly to a senior community center.
 - Girls Math and Science Conference, East Lansing, MI 2007-2011
Presented an introduction of the brain and research to 6th grade girls.
 - Brain Awareness Week 2007-2011
Visited K-12 classrooms in Central MI to present brain and research curriculum; participated in the Brain Fair at Michigan State University, in conjunction with the annual Brain Bee for high school students.

Professional Activities

Ad hoc reviewer:

Neurotoxicology and Teratology, Reproductive Toxicology, Environmental Research, International Brain Research Organization (IBRO) Reports Toxicological Sciences, Journal of Endocrinology, Physiology & Behavior, International Journal of Environmental Research and Public Health, Journal of Neuroendocrinology, Hormones and Behavior, Behavioural Brain

Research, Neurotoxicology, Developmental Psychobiology, PLOS One, Endocrine Society Annual Meeting Abstracts.

Memberships and Affiliations:

- Sigma Xi, Scientific Research Honor Society 2020 to present
- DePaul Chapter of Nu Rho Psi, Neuroscience Honor Society 2020 to present
- National Postdoctoral Association Member 2013 to 2014
- Women in Endocrinology 2014 to 2016
- The Endocrine Society 2013 to present
- Society for Neuroscience 2006 to present
- Society for Behavioral Neuroendocrinology 2006 to present

Professional Service:

- Chicago Society for Neuroscience Councilor, Postdoctoral poster competition chair, 2018-present
- Panel Member, Academic Career Development Table, Chicago Society for Neuroscience, 2017-2018
- Society for Behavioral Neuroscience Outreach Committee, 2012 to 2014.
- Society for Behavioral Neuroscience 2009 Conference Organizer.
- Michigan State University Neuroscience Program Graduate Student Council: First year student representative (2006-2007), Dean Student Advisory Council (DSAC) representative (2007-2008), Social Chair (2007-2009), Faculty Advisory Committee Representative (2008-2009), Graduate Student Minisymposium Organizer (2009), Outreach Committee Chair (2008-2010), Graduate Affairs Committee Representative (2009-2010).

Professional Development:

- Attended Microaggressions training session, DePaul University, June 5, 2020
- Attended 'Student Mental Health', DePaul University Teaching and Learning Annual Conference, May 15, 2020
- Attended 'Better Together: Creating Inclusive Learning Environments', DePaul University Teaching and Learning Annual Conference, May 17, 2019
- Attended 'Annual Diversity Forum', DePaul University, April 30, 2019
- Attended 'Reflecting on Inclusivity in Your Teaching', DePaul University, November 8, 2018
- Attended Sex Inclusion in Biomedical Research Symposium, January 2018, Chicago IL
- Participated in National Center for Faculty Diversity and Development Faculty Success Program, January – April 2018.
- Attended segments of 'Talking about Race in the Classroom' workshop, DePaul University, October 2017.
- Attended 'Poll Everywhere 101: Increasing Engagement with In-Class Quizzes & Surveys' workshop, DePaul University, August 2016
- Attended 'Teaching with Style: How to Design Beautiful, User-friendly Learning Materials' workshop, DePaul University, August 2016
- Participated in a 'Mentoring in Academia' workshop, UT Austin, Sept 2014.

- Attended the Early Career Forum, presented at Endocrinology, Chicago, IL, June 2014.
- Completed an 'Introduction to R' workshop presented by Summer Statistics Institute, UT Austin, May 2014.
- Attended the Early Investigators Workshop, presented by Endocrine Society, Indianapolis, IN, Oct 2013.
- Participated in Women in Science Seminar, in conjunction with ADVANCE grant, MSU, Spring 2011 and 2012.
- Completed SME 879 "Teaching College Science", MSU, Spring 2009
 - This course was associated with the Center for Research on College Science Teaching and Learning and facilitated readings, discussions, and teaching practice.
- Participated in Certification in College Teaching Program, MSU, 2009-2010
 - This Graduate School program provided a formal structure for completing coursework, professional development, a mentored teaching experience, and the development of a teaching portfolio.

Awards and Recognitions

- Nominated for DePaul College of Science and Health Faculty Mentor Award, May 2020
- Nominated for DePaul QIC Excellent in Teaching Award, Mar 2020
- Nominated for DePaul College of Science and Health Faculty Mentor Award, May 2019
- Travel Award to Endocrine Society Early Career Forum, June 2014
- Faculty of 1000 Associate Member, 2013 - present
- Travel Award to Endocrine Society Early Investigators Workshop, October 2013
- Travel Award to Society for Behavioral Neuroendocrinology Annual Meeting, June 2012
- Research Excellence Award, Michigan State University Neuroscience Program, 2010
- Graduate Student Poster Award, Society for Behavioral Neuroendocrinology, 2010
- Research Enhancement Award, Michigan State University Neuroscience Program, 2009
- Young Investigator Award, Workshop on Steroid Hormones and Brain Function, 2009