

Lisa Christine Hiura

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POSITIONS

University of Colorado Boulder 2022– Present
Research Assistant Professor, Dept. of Molecular, Cellular, & Developmental Biology

EDUCATION

Postdoctoral Fellow University of Colorado Boulder, Dept. of Molecular Cellular & Developmental Biology 2020 – 2022
PhD Cornell University, Dept. of Psychology 2015 – 2020
MA Cornell University, Dept. of Psychology 2015 – 2018
BA Reed College, Dept. of Psychology 2010 – 2014

GRANTS & AWARDS

NIH Director's Early Independence Award (DP5) 2022– 2027
CU Boulder Chancellor's Postdoctoral Fellowship for Diversity 2022
NIH Outstanding Scholars in Neuroscience Award 2021
NSF Postdoctoral Research Fellowship in Biology 2020 – 2022
Cornell Psych Dept. Outstanding Graduate Student Award 2020
Cornell University Conference Travel Grant 2016, 2019
NSF Graduate Research Fellowship 2016 – 2019
Cornell Psychology Dept. Travel Grant 2017
Cornell Sage Fellowship 2015 – 2020
Reed College Undergraduate Research Opportunity Grant 2014
Reed College Academic Commendation 2012 – 2014

PAPERS IN PREP/UNDER REVIEW

1. Monari P, Hammond E, Malone C, Cuarenta A, **Hiura L**, Wallace K, Taylor L, Pradhan D (under review) Leveraging individual power to improve racial equity in academia.
2. **Hiura LC**, Lazaro VA, Ophir AG (*in prep*) Prairie vole (*Microtus ochrogaster*) parental behaviors and vasopressin cell groups exhibit plasticity in response to experiences as a parent.
3. **Hiura LC**, Lazaro VA, Ophir AG (*in prep*) Paternal absence, familial handling, and offspring age independently and interactively shape the development of prairie voles (*Microtus ochrogaster*).

PUBLICATIONS

1. **Hiura LC**, Donaldson ZR (*in press*) Prairie vole pair bonding and plasticity of the social brain. *Trends in Neurosciences*.
2. Won L, **Hiura LC**, Yang E, Broekman KA, Ophir AG, Curley JP (2019) Social status in mouse social hierarchies is associated with variation in oxytocin and vasopressin 1a receptor densities. *Hormones and Behavior*. 97:47-55.
3. **Hiura LC**, Kelly AM, Ophir AG (2018) Age-specific and context-specific responses of the medial extended amygdala in the developing prairie vole. *Developmental Neurobiology*, 78(12):1231-1245.

4. **Hiura LC**, Ophir AG (2018) Interactions of sex and early life social experiences at two developmental stages shape nonapeptide receptor profiles. *International Journal of Zoology* 13(6), 745-760.
5. **Hiura LC**, Tan L, Hackenberg T (2018) To free or not the free: Social reinforcement effects in the social release paradigm with rats. *Behavioural Processes* 152, 37-46.
6. Kelly AM, **Hiura LC**, Ophir AG (2018) Rapid nonapeptide synthesis during a critical period of development in the prairie vole: Plasticity of the paraventricular nucleus of the hypothalamus. *Brain structure and function* 223(6), 2547-2560.
7. Kelly AM, **Hiura LC**, Saunders AG, Ophir AG (2017) Oxytocin neurons exhibit extensive functional plasticity due to offspring age in mothers and fathers. *Integr Comp Biol.* 57(3), 603-618.

PRESENTATIONS AND POSTERS

- Esquilin-Rodriguez C, **Hiura L**, Protter D, Chapel G, Cameron R, Paulson M, Elges I, and Donaldson Z. Developing new strategies to examine pair bonds in prairie voles. 29th Puerto Rico Neuroscience Conference. Bayamon, PR. 2021. Poster.
- Esquilin-Rodriguez C, **Hiura L**, Protter D, Chapel G, Cameron R, Paulson M, Elges I, and Donaldson Z. Developing new strategies to examine pair bonds in prairie voles. SMART Program. Boulder, CO. 2021. Poster.
- Esquilin-Rodriguez C, **Hiura L**, Protter D, Chapel G, Cameron R, Paulson M, Elges I, and Donaldson Z. Developing new strategies to examine pair bonds in prairie voles. Virtual Leadership Alliance National Symposium (vLANS). Boulder, CO. 2021. Oral presentation.
- Esquilin-Rodriguez C, **Hiura L**, Protter D, Chapel G, Cameron R, Paulson M, Elges I, and Donaldson Z. Developing new strategies to examine pair bonds in prairie voles. NSF/REU program. Boulder, CO. 2021. Oral presentation.
- Hiura LC**, Lazaro, VA, Ophir, AG (2019) Interactions of Maternal Care and Paternal Presence Impact the Nonlinear Trajectories of Offspring Social Development. Poster at the 23rd annual meeting of the Society for Behavioral Neuroendocrinology, Toronto, Canada, and Vole Meeting 2019 Austin, TX.
- Hiura LC**, Lazaro, VA, Ophir, AG (2019) Interactions of Maternal Care and Paternal Presence Impact the Nonlinear Trajectories of Offspring Social Development. Poster at the 23rd annual meeting of the Society for Behavioral Neuroendocrinology, Toronto, Canada, and Vole Meeting 2019 Austin, TX.
- Lazaro, VA, **Hiura LC**, Ophir AG (2018) The interplay of parental involvement in prairie vole parents. Poster at the Fall Forum for the Cornell Undergraduate Research Board. **Selected for Best Figures Award*
- Hiura LC**, Ophir AG (2018) Variations in rearing experiences influence open field test performance in prairie vole parents. Poster at the 9th International Congress of Neuroendocrinology.
- Hiura LC**, Kelly, AM, Ophir AG (2017) The ontogeny of dopaminergic neurons and their activity across social contexts. Poster at the 21st annual meeting of the Society for Behavioral Neuroendocrinology, Long Beach, CA.
- Hiura, LC.** & Ophir, A. (2016). Early life social experiences shape nonapeptide receptor expression profiles. Poster at the 20th annual meeting of the Society for Behavioral Neuroendocrinology, Montreal, Canada.
- Hackenberg, Tan & **Hiura.** (2015). Working with and for one another: Toward an experimental analysis of social behavior. Invited paper presented at the Texas Association for Behavior Analysis. Houston, TX.
- Hackenberg, Tan & **Hiura.** (2014). Working with and for one another: Toward an experimental analysis of social behavior. Invited paper presented at the Berkshire Association for Behavior Analysis and Therapy Conference. Amherst, MA.
- Lauffer, M., Vanderhooft, L., Huang, J., **Hiura, L.**, Tan L., & Hackenberg, T. (2014) Will a Rat Produce Food for Another Rat? Poster at the Reed College Summer Poster Session.
- Lauffer, M., Vanderhooft, L., Huang, J., **Hiura, L.**, Tan L., & Hackenberg, T. (2014) How Valuable is Social Reinforcement? Poster at the Reed College Summer Poster Session.

- Hiura, L.,** Tan, L., & Hackenberg, T. (2014) How Hard is a Rat Willing to Work to Release a Trapped Rat? Poster at the Association for Behavioral Analysis International (ABAI) Annual Symposium.
- Hiura, L.** (2014) How Hard is a Rat Willing to Work to Release a Trapped Rat? Invited speaker at the Reed College Board of Trustees Luncheon, April 25th.
- Hiura, L.** (2014) To Free, or Not to Free: The Relative Reinforcing Values of Food Reward vs. Social Contact in Rats. Reed College undergraduate thesis.
- Hiura, L.,** Glickman, B. (2013) Cognitive effects of estrogen replacement in the aged rhesus macaque. Speaker at the ONPRC Annual Summer Symposium, OHSU, August 8th.

SERVICE

CU Boulder <u>Undergraduate Research Opportunity Program</u> (UROP) reviewer	2022
500 Women Scientists Women in Stem Career Panelist	2022
CU Boulder Behavioral Neuroscience Middle School Outreach	2022
Society for Behavioral Neuroendocrinology Meeting Panelist – “ <i>Leveraging privilege to improve racial equity: examples and insights from the SBN community</i> ”	2022
NeuroCURE guest lecturer at Metropolitan State University of Denver	2022
Inaugural NSF REU Postdoctoral Mentor	2021
Action Potential Advising Program mentor	2021
Peer reviewer: eLife, Current Biology, Journal of Neuroscience, Journal of Comparative Psychology	2020-2021
Guest on <i>Ask a Scientist</i> Podcast	2020
Expanding Your Horizons at Cornell – Workshop leader for annual conference for 7th-9th grade girls interested in STEM fields	2015 – 2020
The New York Academy of Sciences United Technologies STEM U Mentor	2018 – 2019
NSF GRF Panelist for Cornell Human Development Proseminar	2018
Cornell Psychology Faculty Search Committee Student Representative	2018 – 2019
Speaker for <i>Summer Undergraduate Opportunities</i> event for the Pre-Medical Minority Mentorship Program and the Black Bio-medical and Technical Association	2018
Teacher with Graduate Student Outreach Program at Cornell	2015 – 2017

TEACHING EXPERIENCE

Biopsychology Laboratory, Cornell University	2019
Statistics and Research Design, Cornell University	2015
Introduction to Psychology I & II, Reed College	2014 – 2015
Behavioral Neuroscience, Reed College	2013 – 2014
Learning, Reed College	2013

PROFESSIONAL AFFILIATIONS

Diversity Equity and Inclusion Committee, Society for Behavioral Neuroendocrinology	2022 – 2026
Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS)	2022
National Postdoctoral Association	2022
Solidarity and Inclusion in Academic Neuroscience	2020 – Current
Professional Development Committee, Society for Behavioral Neuroendocrinology	2017 – 2022
Young Ambassadors Committee, International Congress on Neuroendocrinology	2018
Cornell Psychology Basement Czar (Shared Equipment Manager)	2017 – 2019

REFERENCES

Dr. Zoe Donaldson – Professor of Molecular Cellular and Developmental Biology & Psychology and Neuroscience, University of Colorado Boulder

Email: zoe.donaldson@colorado.edu Phone: 303-735-8879

Dr. Alexander Ophir – Professor of Psychology, Cornell University

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Dr. Aubrey Kelly – Professor of Psychology, Emory University

Email: aubrey.kelly@emory.edu Phone: 404-727-8154