NIKKI S. LEE
204 West Washington St, Parmly 230, Lexington, VA 24450
nlee@wlu.edu

EDUCATION AND APPOINTMENTS

Washington and Lee University, Lexington, VA (start January 2024)
Assistant Professor, Department of Cognitive and Behavioral Science

University of California, Berkeley, CA (2022–present)
National Science Foundation Postdoctoral Fellow, Department of Integrative Biology, Museum of Vertebrate Zoology

Colgate University, Hamilton, NY (2021–2022)
Consortium for Faculty Diversity Postdoctoral Fellow, Department of Psychological & Brain Sciences, Neuroscience Program, Department of Biology

University of Massachusetts, Amherst, MA (2015–2021)
Ph.D., Neuroscience & Behavior Program

Cornell University, Ithaca, NY (2011–2015)
B.A., Biology & English
Cum Laude, Biological Sciences

GRANTS, FELLOWSHIPS, & AWARDS

- American Society of Mammalogists Guy N. Cameron Award (April 2023)
- Society for Behavioral Neuroendocrinology WC Young Award (March 2023)
- NSF Postdoctoral Research Fellowship in Biology (May 2021, *deferred* until July 2022)
- UMass Graduate School Fieldwork Grant (May 2020)
- UMass Graduate School Dissertation Research Grant (May 2020)
- Society for Neuroscience Trainee Professional Development Award (September 2019)
- UMass NSF Learning Community Professional Development Grant (May 2019)
- UMass Neuroscience and Behavior Vincent Dethier Award (April 2019)
- Finalist, UMass Distinguished Teaching Award (January 2019)
- Teaching Fellow, UMass College of Natural Sciences (March 2018)
- UMass Neuroscience and Behavior Early Career Award (April 2017)
- Honorable Mention, NSF Graduate Research Fellowship Program (March 2016)
- Cornell Dean's List for Excellence in Scholarship (5 semesters)

PUBLICATIONS

Lee NS, Beery AK. (*in press*). Hormones and reproductive cycles in rodents. *Hormones and Reproductive Cycles of Vertebrates, Volume 5—Mammals*, 2nd Edition. Elsevier.

Lee NS, Kim CY*, Beery AK. (2023). Peer social environment impacts behavior and dopamine D1 receptor density in prairie voles (*Microtus ochrogaster*). *Neuroscience.*

Lee NS, Beery AK. (2022). Selectivity and sociality: Aggression and affiliation shape vole social relationships. *Frontiers in Behavioral Neuroscience.*

Beery AK, Lopez SA*, Blandino KL*, **Lee NS,** Bourdon NS*. (2021). Social selectivity and social motivation in voles. *ELife*, 10: e72684.

Lee NS, Beery AK. (2021). The role of dopamine signaling in prairie vole peer relationships. *Hormones and Behavior*, 127:104876.

Lee NS, Goodwin NL, Freitas KE*, Beery AK. (2019). Affiliation, aggression, and selectivity of peer relationships in meadow and prairie voles. *Frontiers in Behavioral Neuroscience*, 13:52.

Lee NS, Beery AK. (2019). Neural circuits underlying rodent sociality: A comparative approach. In: Coolen L, Grattan D (eds) Neuroendocrine Regulation of Behavior. *Current Topics in Behavioral Neurosciences*, vol 43. Springer.

Goodwin NL, Lopez SA*, **Lee NS**, Beery AK. (2018). Comparative role of reward in long-term peer and mate relationships in voles. *Hormones and Behavior*, 111:70-7.

Beery AK, Christensen JD, **Lee NS**, Blandino KL*. (2018). Specificity in sociality: Mice and prairie voles exhibit different patterns of peer affiliation. *Frontiers in Behavioral Neuroscience*, 12:50.

**denotes undergraduate co-authors*

SELECT PRESENTATIONS

Lee NS. Neuroendocrine mechanisms underlying sociality in group-living rodents. *University of San Francisco Department of Biology Seminar Series*. San Francisco, CA. September 2023. (Invited Talk)

Lee NS. Neuroendocrine and transcriptomic predictors of dispersal in semi-captive colonial tuco-tucos. *International Mammalogical Congress*. Anchorage, Alaska. July 2023. (Talk, Rodent Dispersal Symposium)

Lee NS. The role of reward and dopamine signaling in prairie vole peer relationships. *Society for Behavioral Neuroendocrinology*. Tours, France. June 2023. (Invited Talk, New Investigator Symposium)

Lee NS. Neuroendocrine mechanisms underlying sociality in group-living rodents. *University of San Francisco Neuroscience Guest Lecture*. Remote. May 2023. (Invited Talk)

Lee NS. Neuroendocrine and transcriptomic predictors of dispersal. *University of California Berkeley Integrative Biology Seminar*. Berkeley, CA. October 2022. (Talk)

Lee NS. The role of reward and dopamine signaling in prairie vole peer relationships. *University of California Berkeley Museum of Vertebrate Zoology Lunch Seminar*. Berkeley, CA. September 2022. (Talk)

Lee NS. Neuroendocrine mechanisms underlying sociality in group-living rodents. *Cornell University Mechanisms of Social Behavior Guest Lecture*. Remote. April 2022. (Invited Talk)

Lee NS. Neuroendocrine mechanisms underlying sociality in group-living rodents. *University of San Francisco Neurobiology Guest Lecture*. Remote. April 2022. (Invited Talk)

Lee NS. Neuroendocrine mechanisms underlying sociality in group-living rodents. *Brandeis University Invited Postdoc Research Colloquium*. Brandeis, MA. April 2022. (Invited Talk)

Lee NS, Kim CY, Beery AK. Social environment alters behavior and dopamine D1 receptor density in female prairie voles. *Society for Neuroscience*. Remote. November 2021. (Poster)

Lee NS, Chacon-Vargas K, Sunuwar S, Garcia Arredondo M, Golden N. Redesigning seminar series to address diversity, equity, and inclusion. *Boston University Workshop*. Remote. April 2021. (Invited Talk)

Lee NS. Toward more naturalistic study of behavior. *Hormones for Breakfast*. Amherst, MA. March 2020. (Talk)

Lee NS, Beery AK. The role of reward signaling in prairie vole peer relationships. *Society for Neuroscience*. Chicago, IL. October 2019. (Poster)

Lee NS, Lopez SA, Vahaba DM, Chen J, Beery AK. Social selectivity and social reward in prairie voles. *Society for Neuroscience*. Chicago, IL. October 2019. (Poster)

Lee NS, Beery AK. The role of reward signaling in prairie vole peer relationships. *Vole Meeting*. Austin, TX. August 2019. (Poster)

Lee NS, Lopez SA, Beery AK. Social reward plays different roles in mate and peer relationships in prairie voles. *International Congress of Neuroendocrinology*. Toronto, CA. July 2018. (Poster)

Lee NS, Goodwin NL, Freitas KF, Beery AK. Comparative studies of affiliation, aggression, and reward in monogamous and promiscuous voles. *Society for Neuroscience*. Washington, D.C. November 2017. (Poster)

Lee NS, Freitas KE, Goodwin NL, Beery AK. Season and species shape peer affiliation and aggression in voles. *Society for Behavioral Neuroendocrinology*. Montreal, CA. August 2016. (Poster)

Lee NS. Season and species shape peer affiliation and aggression in voles. *UMass Amherst Neuroscience and Behavior Colloquia*. Amherst, MA. September 2016. (Talk)

Lee NS. Peer affiliation in prairie voles. *UMass Amherst Behavioral Neuroendocrinology Guest Lecture*. Amherst, MA. March 2016. (Invited Talk)

RESEARCH EXPERIENCE

University of California, Berkeley

- NSF Postdoctoral Fellow, Professor Eileen Lacey (2022–present)
    - Neuroendocrine and transcriptomic predictors of dispersal in colonial tuco-tucos

Colgate University

- Consortium for Faculty Diversity Postdoctoral Fellow, Principal Investigator (2021–2022)

- Role of stress in prairie vole peer affiliation
- Research disseminated at departmental poster sessions, manuscript in prep with Colgate undergraduate co-authors

Smith College

- Graduate Research Assistant, Professor Annaliese Beery (2015–2021)
  - **Dissertation:** Role of reward in prairie vole peer affiliation

Cornell University

- Undergraduate Research Assistant, Professor Alexander Ophir (2013–2015)
  - **Honors thesis**: Roles of oxytocin and vasopressin in social monogamy of prairie voles; implications of differential social-spatial memory and mating tactics
- Undergraduate Research Assistant, Professor Helene Porte (2013)
  - Eye movements during lucid dreaming; designed an electrode head cap with BIOPAC Systems, Inc.
- Undergraduate Research Assistant, Professor Richard Depue (2011–2012)
  - Roles of oxytocin and mu-opiate receptors in human social bonding

University of California, Irvine

- Undergraduate Research Assistant, Dr. Steven Cramer (2013)
  - Motor learning in stroke patients; analyzed EEG data using Matlab
- Undergraduate Research Assistant, Dr. Michael Alkire (2012)
  - Neural correlates of consciousness

TEACHING & MENTORING EXPERIENCE

University of California, Berkeley

- Mentoring 6 undergraduate research assistants, 4 of whom are conducting independent projects under my supervision

Colgate University

- Instructor, Biological Psychology (Spring 2022)
- Instructor, Topics in Neuroscience—Hormones and Social Behavior (Spring 2022)
- Instructor, Advanced Topics in Organismal Biology—Social Behavior (Fall 2021)
- Principal Investigator, mentored 8 undergraduate research assistants in independent lab

University of Massachusetts, Amherst

- Teaching Assistant, Animal Behavior (Spring 2019, Spring 2020, & Fall 2020)
- Instructor, College of Natural Sciences First Year Seminar (2 sections)—We've Got Chemistry (Fall 2018)
- Teaching Assistant, Intellectual Disability: Concepts & Controversies (Fall 2018)
- Invited Panelist, Effective Teaching: Advice from Outstanding TAs in the STEM Disciplines (UMass Graduate Teaching Assistant Orientation, Summer 2018)
- Instructor, Junior Writing— Animal Models of Human Psychopathology (Spring 2018)
- Instructor, Junior Writing—Oxytocin & the "Love" Hormone (Fall 2017)
- Graduate Mentor, STEM Ambassadors Program (2016–2018)

Smith College

- Mentored students through several undergraduate research programs (2015–2021)
  - Student Research in Departments Program
  - Achieving Excellence in Mathematics, Engineering, and Sciences Program
  - Summer Research Fellowship Program

Cornell University

- Undergraduate Consultant, Center for Teaching Excellence (2012–2015)

OUTREACH, DISSEMINATION, & SERVICE

University of California, Berkeley

- Speaker, Integrative Biology Undergraduate Research Mixer (October 2022, December 2023)

Colgate University

- Invited Panelist, APS-IDEA (American Physical Society Inclusion, Diversity, and Equity Alliance) Women of Color in STEM (April 2022)
- DEI in STEM Committee (December 2021)

University of Massachusetts, Amherst

- NSB Representative, IDGP BRiDGE committee (2019–2021)
- Guest Lecturer, Hampshire County Jail Lecture Series (November 2019)
- Co-Chair, NSB Thought Space (2017–2019)
- Outreach Committee, NSB Graduate Program (2015–2019)

Cornell University

- Treasurer, Undergraduate Philosophy Journal *Logos* (2011–2015)
- Staff Writer, *The Cornell Daily Sun* (2012–2013)

SKILLS

Lab Techniques
Cryostat, Autoradiography, Autoradiogram Scoring, Cannulation Surgery, Colony Maintenance, Behavioral Testing, Drug Injection, Microdissection, RNA Extraction, ELISA

Field Experience
Live-Trapping, Radio Tracking, Semi-Natural Enclosure

Technical Skills
MCID, ImageJ, Ethovision, Observer, Boris, JWatcher, PedScope, Matlab, R, Illustrator, InDesign

REFERENCES

Dissertation Committee Members

Annaliese Beery (PhD Adviser)
Assistant Professor
Dept. of Integrative Biology
University of California, Berkeley

Luke Remage-Healey
Professor
Dept. of Psychological & Brain Sciences
University of Massachusetts, Amherst

Joe Bergan
Associate Professor
Dept. of Psychological & Brain Sciences
University of Massachusetts, Amherst

Jeff Podos
Professor
Department of Biology
University of Massachusetts, Amherst

Teaching

Beth Jakob
Associate Dean, Graduate School
Professor, Department of Biology
University of Massachusetts, Amherst

Bruce Hansen
Professor
Dept. of Psychological & Brain Sciences
Colgate University

Krista Ingram
Associate Dean, Faculty Recruitment & Development
Professor, Department of Biology
Colgate University