

Lauren Seex, PhD Candidate

Research Focus: Self-organisation of Dominance Hierarchies in Mixed-Sex Groups |
Teaching Methodologies: Evidence-based, Inclusive Learning Environments

EMPLOYMENT

Nov 2022 - Present: Lecturer in Theoretical Biology
University of Groningen

Responsibilities:

- Conducting lectures in theoretical biology.
 - Developing curriculum content and materials.
 - Mentoring and guiding students in their academic pursuits.
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EDUCATION

PhD in The Self-organisation of Lemur Social Systems

University of Groningen, 2019-Present

Advisor: Prof. Dr. Charlotte Hemelrijk

Co-advisors: Prof. Dr. Peter M. Kappeler, Dr. Claudia Fichtel

Teaching Qualifications

- University Teaching Qualification (UTQ/BKO), University of Groningen, 2021-Present
 - Teacher training for PhDs, University of Groningen, 2021
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TEACHING & SUPERVISION

Courses Assisted / Coordinated

- Advanced self-organisation of social systems (MSc)
- Biological modelling and model analysis (MSc)
- Self-organisation of ecological and social systems (BSc)
- Behavioural biology (BSc)
- Research Project Ecology and Evolution (BSc)
- Biostatistics I and II (BSc)
- Big Data Management (BSc)

Guest Lectures

- Agent-based models and primatology, University of Northern British Columbia

Other Activities

- Panelist for teaching webinar on "Intercultural Competence in the STEM Classroom"

Co-Supervision of Projects

Masters Projects:

- **Marius Lam (2019):** "Female Dominance over Males in Different Species of Primate."
- **Titus Hielkema (2020):** "Female Dominance in Lemurs: Understanding the Influence of Food Value on Interspecies Dominance."
- **Dulci Steijvers (2021):** "The Self-organisation of Affiliative Patterns of Behavior in Lemur-like Agents."
- **Siddharth Girish (2022):** "Affiliative Patterns of Lemurs: Empirical and Theoretical Findings."
- **Lindsey Ellington (2022):** "Intersexual Dominance and Sex Ratio in Ravens."

Masters Essays:

- **Vidisha Bansal (2020):** "Inter- and Intra-specific Variation in Social Structure of Sifakas."
- **Laura Riemens (2021):** "Aggression, Fission-Fusion Structure, Sexual Swelling, Coalition Forming, and Grooming between Bonobos and Chimpanzees and their Role in Female Dominance."

Bachelor Essays:

- **Luke Pattipeilohy (2021):** "Intersexual Dominance in Lemurs."

MSc with Honours in Ecology and Evolution

University of Groningen, 2015-2017

Honours College: Leadership: Making the Difference! (additional 15 ECTS)

- Master's Theses: Dispersal patterns in Pied Flycatchers; Elo-rating and emergent patterns in DomWorld

Positions of Responsibility

- Board of the Honours Review, Content Editor
- Chairwoman of Program Committee

BSc with Honours in Zoology

Liverpool John Moores University, 2011-2015

BSc Thesis: Function of Roar/Shriek Choruses in Black and White Ruffed Lemurs

PUBLICATIONS

Seex, L., Fichtel, C., Kappeler, P.M. and Hemelrijk, C.K., 2022. Interrelationship among spatial cohesion, aggression rate, counter-aggression and female dominance in three lemur species. *Behavioral Ecology and Sociobiology*, 76(10)

Seex, L., Saccà, T. and Hemelrijk, C.K., 2022. How to measure intersexual dominance?. *Frontiers in Ecology and Evolution*, 10, p.982507.

Seex, L. Hielkema, T., and Hemelrijk, C. K. In prep. Dominance style and female dominance in lemurs: an agent-based model. *In prep.*

Izar, P., Fernandez-Bolaños, M., **Seex, L.**, Gort, G., Suscke, P., Tokuda, M., Mendonça-Furtado, O., Verderane, M. P. and Hemelrijk, C. K. Female emancipation in a male dominant, sexually dimorphic primate under natural conditions. *PloS one*, 16(4), p.e0249039.

Kappeler, P.M., Huchard, E., Baniel, A., Canteloup, C., Charpentier, M.J.E., Cheng, L., Davidian, E., Duboscq, J., Fichtel, C., Hemelrijk, C.K., Höner, O.P., Koren, L., Micheletta, J., Prox, L., Saccà, T., **Seex, L.**, Smit, N., Surbeck, M., van de Waal, E., Girard-Buttoz, C., 2022. Sex and dominance: How to assess and interpret intersexual dominance relationships in mammalian societies. *Front. Ecol. Evol.* 10, 918773.

Hemelrijk, C.K., **Seex, L.**, Pederboni, M., Ilany, A., Geffen, E. and Koren, L., 2022. Adult sex ratios and partial dominance of females over males in the rock hyrax. *Frontiers in Ecology and Evolution*, 10, p.1004919.

AWARDS

- Leverhulme Study Abroad Studentship: £42,000
 - Lucie Burgers Stichting Grant: €2,800
 - Dobberke Stichting Grant: €2,000
 - Avril McDonald Memorial Fund Prize: €1,000
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CONFERENCES & WORKSHOPS

Oral Presentations

- Cognitive Behavioural Evolution Network, Amsterdam, 2019
- NVG, Groningen, 2019
- Ethologische Gesellschaft, Online 2021
- EFP-GfP, Arnhem 2022

Poster Presentations

- Gesellschaft für Primatologie, Göttingen, 2019
- Netherlands Platform Complex Systems, Utrecht, 2019
- NVG, Online conference, 2020 (PhD Poster Award Winner)

- Netherlands Society for Evolutionary Biology, Online 2021

Conference Attendance

- NLSEB (Netherlands Society for Evolutionary Biology) (Poster Pitch), 2021
- NVTB (The Dutch Society for Theoretical Biology), 2021
- Primate Society of Great Britain, 2021
- ASAB Easter Meeting, 2021
- ASAB Winter Meeting, 2021

Organisational Responsibilities

- ESEB Student Helper, 2018
- ECBB Symposium Co-organiser, 2022

Workshops

- Participated in Lorentz Center Workshop, 2020: Dynamics of Dominance of Females Relative to Males in a Group

KEY SKILLS

- Project Supervision
- Lecture Creation & Delivery
- Teaching Resource Preparation
- Scientific Writing
- R Statistical Analysis & Data Visualization
- Behavioural Data Collection
- Self-organisation
- Netlogo

LANGUAGES

- English (Native)
- Dutch (A2-B1)