

# Maria Creighton

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## » Education

<b>Duke University</b>   PhD Biology Student	<i>08/2021 – Present</i>
<b>McGill University</b>   MSc Biology	<i>01/2018 – 04/2021</i>
<b>Carleton University</b>   BSc Environmental Science, Minor in Biology	<i>09/2013 – 04/2017</i>

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## » Fellowships, Scholarships, Grants and Awards

<b>02/2025</b>	Jo Rae Wright Fellowship for Outstanding Women in Science (\$5,000 USD)
<b>02/2024</b>	Sigma Xi Grant in Aid of Research (\$4,180 USD)
<b>01/2024</b>	Duke Office of Global Affairs Travel Award (\$2,000 USD)
<b>09/2023-09/2026</b>	NSERC Canada Graduate Scholarship (\$77,235 USD); declined to instead take NSERC Postgraduate Scholarship (\$46,340 USD) internationally
<b>06/2022</b>	Animal Behavior Society Student Travel Grant (\$500 USD)
<b>06/2022</b>	TriCEM Graduate Student Award (\$7,500 USD + \$2,000 USD funding for undergraduate mentees)
<b>04/2022</b>	Duke Biology Grant-in-Aid of Research (\$1,000 USD)
<b>02/2022</b>	Duke Dissertation Research Travel Award: International (\$3,000 USD)
<b>09/2018-09/2020</b>	Biodiversity, Ecosystem Services and Sustainability Fellowship (\$13,700 USD + \$2,500 USD travel expenses)
<b>04/2018</b>	Best Talk Award at the McGill Conservation, Ecology, Evolution, and Behavior Retreat
<b>01/2018-12/2019</b>	McGill Biology Master's Award (\$8,000 USD)
<b>01/2018</b>	McGill Department of Biology Entrance Award (\$2,000 USD)
<b>03/2017</b>	Carleton Faculty of Science Research Day Award for top poster presentation
<b>09/2013-04/2017</b>	Three undergraduate scholarships awarded based on academic performance by Carleton University (Total: \$4,000 USD)

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## » Refereed Publications (‡ denotes co-first authors; ¶ undergrad mentee)

Creighton, M.J.A. & Nunn, C.L. 2023. Explaining the primate extinction crisis: predictors of extinction risk and active threats. *Proceedings of the Royal Society B*, 20231441.

Creighton, M.J.A., Lou, A.Q. ¶, Reader, S.M. & Mooers, A.Ø. 2022. Predictors of taxonomic splitting and its role in primate conservation. *Animal Conservation*, 26: 355-364.

Madliger, C.L. ‡, Creighton, M.J.A. ‡, Raby, G.D., Bennett, J.R., Birnie-Gauvin, K., Lennox, R.J. & Cooke, S.J. 2022. Physiology as a tool for at-risk animal recovery planning: an analysis of Canadian recovery strategies with global recommendations. *Conservation Science and Practice*, 4: e12701.

Creighton, M.J.A., Greenberg, D.A., Reader, S.M. & Mooers, A.Ø. 2021. The role of behavioral flexibility in primate diversification. *Animal Behavior*, 180: 269-290. (Editor's Choice)

Creighton, M.J.A. & Bennett, J.R. 2019. Taxonomic biases persist from listing to management for Canadian species at risk. *Écoscience*, 26: 315-321.

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## » Manuscripts in Review

Creighton, M.J.A., Lerch, B.A., Lange, E.C., Silk, J.B., Archie, E.A., Tung, J. & Alberts, S.C. *In review*. Re-evaluating the relationship between female social bonds and infant survival in wild baboons. Proceedings of the National Academy of Sciences.

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## » Non-Refereed Publications (‡ denotes co-first authors)

Pillco Huarcaya, R. ‡, Creighton, M.J.A. ‡, Lopez Morales, M., Connor, D., Flatt, E. & Whitworth, A. 2020. Foods eaten by the Endangered Geoffroy's spider monkey (*Ateles geoffroyi*). Chicago Field Museum, Field Guide.

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## » Internship and Volunteer Experience

**Volunteer** | *Fauna Foundation* | Chambly, Canada 09/2018 – 12/2020  
Designed and implemented enrichment activities, including snacks, puzzles, and enclosure decorations, to enhance the welfare of chimpanzees at the sanctuary

**Field Intern** | *Osa Conservation* | Osa Peninsula, Costa Rica 05/2019 – 07/2019  
Developed a comprehensive field guide documenting 79 plant species consumed by Geoffroy's spider monkeys, contributing to conservation research efforts

**Field Intern** | *Smithsonian Tropical Research Institute* | BCI, Panama 02/2018 – 04/2018  
Conducted behavioral and ecological data collection using radio telemetry, focal sampling, and surveys, supporting research on wild primate populations

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## » Teaching

**EVANTH 490S: Social Determinants of Health** | Duke University 11/2024  
*Guest Lecturer (11/06/2024)*

Lecture: “*Maternal social bonds and infant survival in baboons*”

**BIOL 329: Principles of Animal Physiology** | Duke University 08/2022 – 12/2022  
*Teaching Assistant (180hrs)*

**OLLI 3372: Why be Social?** | Duke University 01/2022 – 04/2022  
*Instructor*

**BIOL 112: Cell and Molecular Biology** | McGill University 01/2021 – 04/2021  
*Teaching Assistant (180hrs)*

**BIOL 111: Principles: Organismal Biology** | McGill University 09/2020 – 12/2020  
*Teaching Assistant (180hrs)*

**BIOL 112: Cell and Molecular Biology** | McGill University 01/2020 – 04/2020  
*Teaching Assistant (180hrs)*

**BIOL 111: Principles: Organismal Biology** | McGill University 09/2019 – 12/2019  
*Teaching Assistant (180hrs)*

**ANTH 203: Human Evolution** | McGill University 01/2019 – 04/2019  
*Teaching Assistant (180hrs)*

**ANTH 311: Primate Behavior and Ecology** | McGill University 09/2018 – 12/2018  
*Teaching Assistant (180hrs); Guest Lecturer (11/10/2018)*  
Lecture: “*Primates: foraging, predation, and sociality*”

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## » Mentoring

- Muser Mentor** | Duke University *09/2022 – 04/2023*  
Supervised an undergraduate student analyzing long-term baboon foraging data, guiding data analysis and interpretation
- Student Supervision** | McGill University *09/2019 – 09/2020*  
Oversaw two undergraduates in conducting literature reviews and co-supervised a master's student on a directed study
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## » Professional Services

### Committees and Associations

- American Society of Primatologists DEIA committee | Committee Member *01/2025 – Present*
  - In charge of drafting an abstract and spearheading planning for the annual conference workshop on diversity, equity, inclusion, and accessibility in primatology
- McGill Post-Graduate Students' Society Environment | Committee Member *05/2018 – 04/2021*
  - Managed social media and organized conservation-focused events, enhancing student engagement and promoting sustainability within the graduate community
- Carleton Environmental Science Student Association | President *09/2015 – 04/2016*
  - Led a team of 10 executives in organizing campus-wide green initiatives and social events, strengthening the environmental culture at Carleton University
- Carleton Environmental Science Student Association | Vice-President *09/2014 – 04/2015*
  - Coordinated departmental events and sustainability initiatives, fostering environmental awareness and collaboration across the student body

### Selected Conference Participation and Organization

- Meeting of the American Society of Primatologists | Session Chair *09/2024*
  - Chaired a two-hour session on social behavior, guiding discussions and ensuring smooth session flow among researchers and attendees
- Animal Behavior Society Conference | ABS Ally *09/2022*
  - Completed diversity, equity, and inclusion training and provided key support for attendees, fostering an inclusive and welcoming environment throughout the conference
- Animal Behavior Society Conference | Session Chair *09/2022*
  - Led a two-hour session on social behavior, facilitating engaging discussions and managing logistics to ensure an impactful experience for presenters and participants

### Memberships

- American Society of Primatologists | Student Member *02/2024 – Present*  
Sigma Xi | Member *09/2023 – Present*  
Animal Behavior Society | Student Member *02/2020 – Present*  
Quebec Centre for Biodiversity Science | Student Member *01/2018 – 12/2020*

## Peer Review of Manuscripts

International Journal of Primatology and In&Vertebrates

### Grant Reviewer

Leakey Foundation

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## » Selected Presentations and Posters (\* denotes presenter; <sup>o</sup> undergrad mentee)

- 10/2024** Creighton, M.J.A.\*  
**Seminar** (Invited): “*Social behavior and survival in wild primates*”  
Department of Biology | University of North Carolina at Chapel Hill, USA
- 09/2024** Creighton, M.J.A.\*, Lerch, B.A., Lange, E.C., Tung, J., Archie, E.A., & Alberts, S.C.  
**Oral Presentation:** “*Maternal social bonds are not associated with enhanced infant survival in Amboseli baboons*”  
Meeting of the American Society of Primatologists | Riviera Maya, Mexico
- 07/2024** Creighton, M.J.A.\*, Lerch, B.A., Lange, E.C., Tung, J., Archie, E.A., & Alberts, S.C.  
**Oral Presentation:** “*Maternal social bonds are not associated with enhanced infant survival in Amboseli baboons*”  
Evolution | Montreal, Canada
- 07/2023** Fan, O.\*<sup>o</sup>, Creighton, M.J.A., Tung, J., Archie, E.A. & Alberts, S.C.  
**Poster:** “*Social predictors of baboon foraging efficiency*”  
Animal Behavior Society Conference | Virtual poster
- 09/2022** Creighton, M.J.A.\*, Lange, E.C., Tung, J., Archie, E.A., Altmann, J. & Alberts, S.C.  
**Oral Presentation:** “*Social and environmental influences on baboon offspring survival*”  
Animal Behavior Society Conference | San Jose, Costa Rica
- 08/2020** Creighton, M.J.A.\*, Greenberg, D.A., Reader, S.M. & Mooers, A.Ø.  
**Oral Presentation:** “*Does behavioral plasticity promote primate diversification?*”  
Animal Behavior Society Conference | Virtual presentation
- 11/2019** Creighton, M.J.A.\*, Mooers, A.Ø. & Reader, S.M.  
**Oral Presentation:** “*Taxonomic inflation and its role in primate conservation.*”  
Société Québécoise pour l'Étude Biologique de Comportement (SQEBC) 44th Annual Conference | Montreal, Canada
- 04/2018** Creighton, M.J.A.\* & Reader, S.M.  
**Oral Presentation:** “*Determinants of diversification in primates: testing the behavioral drive hypothesis.*”  
Conservation, Ecology, Evolution, and Behavior Retreat | Mont-Saint-Hilaire, Canada
- 04/2017** Creighton, M.J.A.\*, Low, A. & Wong, A.  
**Poster Presentation:** “*Mating systems and the evolution of primate reproduction tract proteins: rethinking the methodological approach.*”  
Carleton University Faculty of Science Research Day | Ottawa, Canada
- 02/2016** Boushey, I.\*, Cormier, E.\*, Creighton, M.J.A.\* & Harper, M.\*  
**Oral Presentation:** “*A study of the invasive plant species in the National Capital Region and their management.*”  
Carleton University Fourth Annual Community Engagement Event | Ottawa, Canada
- 12/2015** Boushey, I.\*, Cormier, E.\*, Creighton, M.J.A.\* & Harper, M.\*  
**Oral Presentation** (Invited): “*A study of the invasive plant species in the National Capital Region and their management.*”  
Annual Invasive Species Information Session | Ottawa, Canada