

Maria Creighton

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» Education

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

» Fellowships, Scholarships, Grants and Awards

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

» 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.

» 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.

» 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.

» 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

» 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*”

» 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

- 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

» Selected Presentations and Posters (* denotes presenter; ^φ 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.*^φ, 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