

# Maria Creighton

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## » Education

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

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## » Fellowships, Scholarships, and Awards

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| <b>06/2022</b>         | Animal Behavior Society Student Travel Grant (\$500 USD)   |
| <b>06/2022</b>         | TriCEM Graduate Student Award (\$7,500 USD)  |
| <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 (CEEB) 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>         | Faculty of Science Research Day Award for top poster presentation from the Carleton University Faculty of Science  |
| <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 (\* indicates co-first authors)

- Creighton, M.J.A., Lou, A.Q., Reader, S.M. & Mooers, A.Ø. *In revision*. Predictors of taxonomic inflation and its role in primate conservation. *Animal Conservation*. bioRxiv Preprint DOI: <https://doi.org/10.1101/2021.09.10.459781>
- 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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## » Non-Refereed Publications (\* indicates 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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## » Selected Research Experience

- Master's Thesis** | Supervisor: Dr. Simon Reader 01/2018 – 04/2021  
Title: “*Determinants of primate diversity with implications for comparative biology and conservation*”
- Undergraduate Thesis** | Supervisor: Dr. Alex Wong 09/2016 – 04/2017  
Title: “*Mating systems and the evolution of animal reproductive tract proteins*”
- Independent Directed Study** | Supervisor: Dr. Joseph Bennett 05/2016 – 08/2016  
Title: “*Taxonomic biases persist from listing to management for Canadian species at risk*”
- Group Directed Study** | Supervisor: Dr. Joseph Bennett 09/2015 – 12/2015  
Title: “*Management strategy for invasive plant species in the National Capital Region*” (Report for the National Capital Commission)

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## » Internship and Volunteer Experience

- Volunteer** | **Fauna Foundation** | Chambly, Canada 09/2018 – 12/2020  
Prepared enrichment for chimpanzees living at the sanctuary including snacks, puzzles, and decorations for the enclosures
- Field Intern** | **Osa Conservation** | Osa Peninsula, Costa Rica 05/2019 – 07/2019  
Created a field guide of 79 plant species consumed by the Geoffroy's spider monkey (*Ateles geoffroyi*) which is being used to help determine plant species composition of reforestation plots
- Field Intern** | **Crofoot Lab** | Barro Colorado Island, Panama 02/2018 – 04/2018  
Used radio telemetry, focal sampling techniques, and ecological surveys to collect data on the behavior and ecology of wild Geoffroy's spider monkeys (*Ateles geoffroyi*) and white-faced capuchins (*Cebus imitator*)

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## » Teaching

- 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) and Guest Lecturer (11/10/2018)*  
Guest Lecture: “*Primates: Foraging, Predation, and Sociality*”

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## » Mentoring

**Student Supervision** | McGill University

09/2019 – 09/2020

Supervised two undergraduate volunteers in conducting literature reviews and co-supervised a visiting MSci (Master in Science) candidate from the University College London in a one-semester directed study

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## » Committees and Associations

**Animal Behavior Society (ABS)**

*Student Member (02/2020 – Present)*

**Quebec Centre for Biodiversity Science (QCBS)**

*Student Member (01/2018 – Present)*

**Post-Graduate Students' Society Environment Committee** | McGill University

*Committee Member (05/2018 – 04/2021)*

**Environmental Science Student Association (ESSA)** | Carleton University

*Vice-President Internal Affairs (09/2014 – 04/2015); President (09/2015 – 04/2016)*

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## » Presentations and Posters (\* indicates presenter)

- 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 | McGill University, Montreal, Quebec, 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 (CEEB) Retreat | Mont-Saint-Hilaire, Quebec, 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.*”  
Faculty of Science Research Day | Carleton University, Ottawa, Ontario, 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.*”  
Fourth Annual Community Engagement Event | Carleton University, Ottawa, Ontario, 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, Ontario, Canada