Maria Creighton

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» Education

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

» Research Interests

Behavioral flexibility — Functional significance of behavior — Conservation biology

» Fellowships, Scholarships, and Awards

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 (CEEB) 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	Faculty of Science Research Day Award for top poster presentation from the Carleton University Faculty of Science
09/2013–04/2017	Three undergraduate scholarships awarded based on academic performance by Carleton University (Total: $4,000 USD)

» 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. *In press*. Physiology as a tool for at-risk animal recovery planning: an analysis of Canadian recovery strategies with global recommendations. Conservation Science and Practice.

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.

» 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.

» 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)*

» 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*)

» 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"*

» 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

» 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)*

» 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