

Gaetan Dupont

204C French Hall, UMass Amherst, 230 Stockbridge Rd., Amherst, MA 01003
gdupont@umass.edu | +1 (978) 877-3800 | www.GatesDupont.com | Twitter: @GatesDupont

EDUCATION

- 2021 (Current) M.Sc. Organismic and Evolutionary Biology
University of Massachusetts Amherst
Dr. Chris Sutherland, Dr. Ali Nawaz
Thesis: "Advancing population monitoring with improved sampling design and data-integration methods for spatial capture-recapture."
- 2019 B.Sc. Environmental and Sustainability Sciences
Cornell University
Dr. Evan Cooch, Dr. David Bonter, Dr. Amanda Rodewald
Thesis: "Recent avian population dynamics in the Northeastern United States suggest persistent but diminished impacts of West Nile virus."

GRANTS & FELLOWSHIPS

- 2019 – 2020 "Designing scalable study design protocols to estimate snow leopard (*Panthera uncia*) density and population size using non-invasive sampling."
Dupont, G., Nawaz, M. A., Sutherland, C.
Sabin Snow Leopard Grant
Panthera (PI, \$8,600)
- 2019 "JAGSMAP (Jaguars At the Global Scale: a Meta-Analysis of the Population)"
Summer Fellow
Population Sustainability
Institute for Conservation Research
San Diego Zoo Global (\$7,000)
- 2019 Undergraduate Research Funds
Cornell Lab of Ornithology (\$1,593)
- 2017 – 2018 Research Experience for Undergraduates (NSF REU)
National Science Foundation (\$3,400)
BirdVox, Cornell Lab of Ornithology

2017 Funds for Undergraduate Research
Department of History
Cornell University (PI, \$400)

AWARDS

2019 Student Travel Award
American Ornithological Society (\$550)

PUBLICATIONS IN REVIEW

2020
Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Towards optimal sampling design for spatial capture-recapture. Preprint on [bioRxiv](#). In review at *Ecology*.

PROFESSIONAL PRESENTATIONS WITH PUBLISHED ABSTRACTS

2020
Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Towards optimal sampling design for spatial capture-recapture. International Statistical Ecology Conference (ISEC2020). Sydney, Australia. (*Abstract accepted*)

2019
Dupont, G., Bonter, D., Robinson, O. Modeling Persistent Effects of West Nile Virus on Avian Population Dynamics in the Northeastern United States. 137th Stated Meeting of the American Ornithological Society. Anchorage, Alaska.

Sayers, C.*, Roeder, M., Forrette, L., Roche, D., **Dupont, G.**, Apgar, S., Kocak, A., Cook, A., Shriver, G., Elphick, C., Olsen, B., Bonter, D. Geographic variation of mercury in breeding tidal marsh sparrows of the northeastern United States. 14th International Conference on Mercury as a Global Pollutant in Kraków, Poland. (* student first author)

2017
Dupont, G., Falk, O. Seabirds to Starboard: Notes on Norse Navigational Technique. Time, Space & Narrative in Medieval Icelandic Literature. University of Iceland, Reykjavik, Iceland.

OTHER SCHOLARLY PRESENTATIONS

2018
Dupont, G., Bonter, D., Robinson, O. Spatiotemporal Trends in Avian Populations Following the Introduction of West Nile Virus in North America. New York State Ornithological Association 2018 Annual Meeting. Rochester, New York. (Invited)

NON-PEER-REVIEWED PUBLICATIONS

2017

In press

Dupont, G., Falk, F. Seabirds to Starboard: Notes on Norse Navigational Technique. *Conference Proceedings: Time, Space & Narrative in Medieval Icelandic Literature*. University of Iceland, Reykjavik, Iceland.

In press

Dupont, G. Wrenthrush Species Account. Neotropical Birds Online, Cornell Lab of Ornithology.

Dupont, G. Avian Eyeshine. Bird Academy, Cornell Lab of Ornithology.

COURSES TAUGHT

2020 Teaching Assistant
BIOL 153: Introductory Biology Lab
University of Massachusetts Amherst

2018 Teaching Assistant
NTRES 4750: Ornithology
Cornell University

STUDENT ADVISING

2019 Eric Hughes, Cornell University (undergraduate research)
“Evaluating the accuracy of radio frequency identification devices (RFID) in ornithological research”

2018 – 2019 Christopher Sayers, Cornell University (undergraduate research)
“Geographic variation of mercury in breeding tidal marsh sparrows of the northeastern United States”

FIELDWORK

2018 Avian Conservation Intern
Massachusetts Division of Fisheries and Wildlife

2016 Field Team Leader
Engaged Cornell
Cornell Lab of Ornithology
Cornell University

OUTREACH

2018	Visiting Lecturer Thoreau Elementary School
2017 – 2019	Curriculum Developer and Visiting Lecturer The Fenn School (Elementary School)
2017 – 2018	Internship Developer for Ecotourism Consultancy Ecotourism Club Cornell University
2017	Visiting Lecturer Boy Scout Troop 132 Boy Scouts of America
2015 – 2016	Tour Guide Cornell Lab of Ornithology

NON-ACADEMIC WORK

2018	Conservation Multimedia Production Assistant Multimedia Department Cornell Lab of Ornithology
2016 – 2018	Mobile App Development Assistant Merlin Cornell Lab of Ornithology

PROFESSIONAL AFFILIATIONS

American Ornithological Society
British Ecological Society

REFERENCES

Chris Sutherland, Ph.D.
Assistant Professor
Department of Environmental Conservation
University of Massachusetts Amherst
csutherland@umass.edu

Mathias Tobler Ph.D.
Associate Director in Population Sustainability
Institute for Conservation Research
San Diego Zoo Global
MTobler@sandiegozoo.org

Evan Cooch, Ph.D.
Associate Professor
Department of Natural Resources
Cornell University
evan.cooch@cornell.edu

Orin Robinson, Ph.D.
Research Associate
Conservation Science
Cornell Lab of Ornithology
Cornell University
ojr7@cornell.edu