Gaetan Dupont

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EDUCATION

2021 (Current)	M.Sc. Organismic and Evolutionary Biology University of Massachusetts Amherst Dr. Chris Sutherland, Dr. Ali Nawaz Thesis: "Statistical approaches for ecological learning about spatial processes"
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 rewiew 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. Ecological Society of America Virtual Meeting: Harnessing the ecological data revolution Salt Lake City, UT, USA. *(Abstract accepted)*

Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Towards optimal sampling design for spatial capture-recapture. virtual International Statistical Ecology Conference (vISEC2020). Sydney, Australia.

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., Kocek, 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

2020
Dupont, G., Curson, J., Spencer, A.J. Wrenthrush *(Zeledonia coronata)*, version 2.0. In The Birds of the World (P. Rodewald, T. Schulenberg, S. Billerman, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA.

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.

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.
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