

Gaetan Dupont

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EDUCATION

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| 2021 (Current) | M.Sc. Organismic and Evolutionary Biology
University of Massachusetts Amherst
Dr. Chris Sutherland
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

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|-------------|---|
| 2019 – 2020 | "Designing scalable study design protocols to estimate snow leopard (<i>Panthera uncia</i>) 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 (\$1,590) |
| 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

2020
Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Optimal sampling design for spatial capture-recapture. *Ecology*. (Accepted)

PROFESSIONAL PRESENTATIONS WITH PUBLISHED ABSTRACTS

2020
Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Towards optimal sampling design for spatial capture-recapture. Poster. Ecological Society of America Virtual Meeting: Harnessing the ecological data revolution. Salt Lake City, UT, USA. (Invited)

Dupont, G., Royle, J. A., Nawaz, M. A., Sutherland, C. Towards optimal sampling design for spatial capture-recapture. Poster. 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. Talk. 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. Poster. 14th International Conference on Mercury as a Global Pollutant. Kraków, Poland. (* student first author)

2017
Dupont, G., Falk, O. Seabirds to starboard: notes on Norse navigational technique. Talk. 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. Talk. New York State Ornithological Association 2018 Annual Meeting. Rochester, New York. (Invited)

NON-PEER-REVIEWED PUBLICATIONS

2020

Dupont, G., Curson, J., Spencer, A.J. Wrenthrust (*Zeledonia coronata*), version 2.0. In 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.

WORKSHOPS TAUGHT

2020

Lecturer: Sampling Design
Introduction to Spatial Capture-Recapture
J. Andrew Royle, Chris Sutherland, Dan Linden, and Gates Dupont

COURSES TAUGHT

2020

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

2018

Teaching Assistant
NTRES 4750: Ornithology
Cornell University

STUDENT MENTORING

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| 2019 | Eric Hughes, Cornell University (undergraduate research)
“Evaluating the accuracy of radio frequency identification devices (RFID) in ornithological research” |
| 2018 – 2020 | Christopher Sayers, Cornell University (undergraduate research)
“Geographic variation of mercury in breeding tidal marsh sparrows of the northeastern United States” |

FIELDWORK

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| 2018 | Avian Conservation Intern
Massachusetts Division of Fisheries and Wildlife |
| 2016 | Field Team Leader
Engaged Cornell
Cornell Lab of Ornithology
Cornell University |

OUTREACH

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| 2018 | Visiting Lecturer, Avian Ecology
Thoreau Elementary School |
| 2017 – 2019 | Ecology Curriculum Developer and Visiting Lecturer
The Fenn School (Elementary School) |
| 2017 – 2018 | Internship Developer for Ecotourism Consultancy
Cornell Ecotourism Club
Cornell University |
| 2017 | Visiting Lecturer, Avian Ecology
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
Ecological Society of America

REFERENCES

Chris Sutherland, Ph.D.
Assistant Professor
Department of Environmental Conservation
University of Massachusetts Amherst
Currently: Reader
Centre for Research into Ecological & Environmental Modelling
University of St Andrews
css6@st-andrews.ac.uk

Evan Cooch, Ph.D.
Associate Professor
Department of Natural Resources
Cornell University
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Mathias Tobler Ph.D.
Associate Director in Population Sustainability
Institute for Conservation Research
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Orin Robinson, Ph.D.
Research Associate
Conservation Science
Cornell Lab of Ornithology
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M. Ali Nawaz, Ph.D.
Country Director, Pakistan Program
Snow Leopard Trust
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Quaid-i-Azam University
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