

## 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, Dr. Ali Nawaz  
Thesis: "Advancing population monitoring through improving 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

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- 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

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

## PUBLICATIONS IN REVIEW

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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

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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., Koczek, 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

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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

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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

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

2018                      Teaching Assistant  
NTRES 4750: Ornithology  
Cornell University

## STUDENT ADVISING

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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

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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 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**

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

## **PROFESSIONAL AFFILIATIONS**

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American Ornithological Society  
British Ecological Society

## REFERENCES

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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  
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Evan Cooch, Ph.D.  
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Department of Natural Resources  
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Orin Robinson, Ph.D.  
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Conservation Science  
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