

Joely G. DeSimone

Assistant Research Scientist

University of Maryland Center for Environmental Science – Appalachian Laboratory

joely.desimone@umces.edu • (404) 987-9027

joelydesimone.weebly.com

Education

- 2022 **Ph.D.** in Organismal Biology, Ecology, and Evolution, University of Montana, Missoula, MT
2015 **B.A.** in Biology, *magna cum laude*, Amherst College, Amherst, MA

Professional Positions

- 2024-present **NSF PRFB Broadening Participation Postdoctoral Fellow**, University of Maryland Center for Environmental Science (UMCES), Appalachian Laboratory, Advisor: Dr. Emily Cohen
2024-present **Associate Member of the Graduate Faculty**, University of Maryland Center for Environmental Science
2022-2024 **Postdoctoral Researcher**, University of Maryland Center for Environmental Science, Appalachian Laboratory, Advisor: Dr. Emily Cohen
2021-2022 **Drollinger-Dial Graduate Research Fellow**, University of Montana, Advisor: Dr. Creagh Breuner
2018-2021 **NSF GRFP Fellow**, University of Montana, Advisor: Dr. Creagh Breuner
2017-2018 **Graduate Teaching Assistant**, University of Montana, Advisor: Dr. Creagh Breuner
2015-2017 **Lab and field technician**, migration physiological ecology lab, University of Massachusetts Amherst, Advisor: Dr. Alexander Gerson
2014-2016 **Research assistant**, avian parasite ecology lab, Amherst College, Advisor: Dr. Ethan Clotfelter

Fellowships, Awards, and Grants

Fellowships

- 2023 **NSF Postdoctoral Research Fellowship in Biology, Broadening Participation** (\$240,000)
“Migrant-Resident Community Dynamics During the Transition to Breeding in a Changing Climate”
Supervisor: Dr. Emily Cohen
2017 **NSF Graduate Research Fellowship** (\$138,000)
2016 **NSF Graduate Research Fellowship** (Honorable Mention)

Awards

- 2021 **Frances F. Roberts Award**, American Ornithological Society, best presentation on any topic in ornithology (\$500)
2017 **Drollinger-Dial Award**, University of Montana Organismal Biology, Ecology and Evolution, outstanding graduate program applicant; one-year research assistantship (\$25,000)
2015 **Oscar E. Schotte Award**, Amherst College Biology department, best independent work (\$363.66)
2015 **James R. Elster Award**, Amherst College Biology department, summer research funding (\$1,439)

2014 **Laura Ayres Snyder Prize**, Amherst College English department, for select poems (\$1,500)

Grants

- 2024 **American Ornithological Society Travel Award** (\$670)
 2023 **American Ornithological Society Travel Award** (\$561)
 2021 **University of Montana Drollinger Dial Travel Award** (\$960)
 2020 **MPG Ranch** (\$10,854)
 2019 **MPG Ranch** (\$10,304)
 2019 **University of Montana Drollinger Dial Travel Award**, University of Montana (\$1,000)
 2019 **American Ornithological Society Hesse Award** (\$1,939)
 2018 **Wilson Ornithological Society Paul A. Stewart Grant** (\$1,000)

Publications

ORCID: 0000-0002-7486-6443

*indicates student mentee

†indicates shared first-authorship

Submitted

20. **DeSimone, JG**, C Thomas-Bulle, C Nemes, B Tsuru, CS Berg, M Anderson, CM Davis, and EB Cohen. Author gender is associated with the study of ecological interactions.

In Review

19. Martin, KA, W Xu, **JG DeSimone**, C Bresnan, Y Liang, HM English, O Spiegel, CM Hale, M Acácio, JG Cecere, AM Caughman, I Catry, K Gahm, A Giroux, M Grabow, A Hedenström, AL Harrison, S Imperio, N Javakhishvili, R Joy, AE Love, Y Liu, M Liedvogel, RH Maneja, AYY Meiga, K Orrick, DG Palance, A Raj, C Rutz, AL Scarpignato, P Schultheiss, JA Smith, A Subalusky, R Bauknecht, CE Wilkinson, EJ Williams, L Wilde, J Wang, and L Petracca. New perspectives on addressing systemic biases in movement ecology. *Proceedings of the Royal Society B*.

Published

18. Davis, CM, **JG DeSimone**, J Owen, A Lindsay, and EB Cohen. (2026). Public engagement at North American bird banding stations: Widespread prevalence and emerging evidence of knowledge- and belief-based outcome considerations. *Ornithological Applications* 128:duag011
17. **DeSimone, JG**, S Morris, E Dalton, L DeGroot, M Furst, A Patterson, and EB Cohen. (2025). Multi-decadal changes in co-occurrence of migrating landbirds are associated with species-specific changes in phenology and abundance. *Global Change Biology* 31:e70621. <https://doi.org/10.1111/gcb.70621>
16. †**DeSimone, JG**, *†SC Sriraman, J Tir, *L Rolls, HE Watts, CW Breuner, E Greene. (2025). Call rate and types of calls produced vary with flock movements in wild nomadic Pine Siskins (*Spinus pinus*). *Wilson Journal of Ornithology*. <https://doi.org/10.1080/15594491.2025.2552501>
 †These authors contributed equally to the paper.
15. Breuner, CW, **JG DeSimone**, BS Domschot, TP Hahn. (2025). Maximum free glucocorticoids link natural behavior and stressors in a wild bird population. *Journal of Experimental Zoology Part A*.

14. Gutierrez Ramirez, M, MS Griego, **JG DeSimone**, CR Elowe, AR Gerson. (2025). Lean mass deposition occurs at a greater rate than fat deposition during spring stopover in highly depleted songbirds in the northern Gulf of Mexico. *Conservation Physiology* 13(1).
13. Van Doren, BM, **JG DeSimone**, JA Firth, F Hillemann, Z Gayk, E Cohen, A Farnsworth. (2025). Social associations across species during nocturnal bird migration. *Current Biology* 35(4): 898-904.
Featured by Scientific American and others (see Research Highlighted in the Press)
12. **DeSimone, JG**, LW DeGroot, SA MacKenzie, JC Owen, AJ Patterson, EB Cohen. (2024). Persistent species relationships characterize migrating songbird communities across stopover sites and seasons. *Proceedings of the National Academy of Sciences* 124(34) e2322063121.
Featured by National Geographic, Science Friday, and others (see Research Highlighted in the Press)
11. Groom, DEJ, B Black, J Deakin, **JG DeSimone**, MC Lauzau, B Pedro, C Straight, K Unger, M Miller, AR Gerson. (2023). Flight muscle size reductions and functional changes following long-distance flight under variable humidity conditions in a migratory warbler. *Physiological Reports* 11(20).
10. **DeSimone, JG**, EB Cohen. (2023). Social, not spatial, fidelity underlies between-year winter site fidelity in a migratory bird. *Proceedings of the National Academy of Sciences* 120(35) e2311577120 (Commentary).
9. Nemes, C, SA Cabrera-Cruz, M Anderson, L DeGroot, **JG DeSimone**, M Massa, EB Cohen. (2023). More than mortality: Nonlethal anthropogenic threats and their interactions en route impact bird migration success and fitness. *Ornithological Applications* 125(3).
8. **DeSimone, JG**, *BS Domschot, M Fything, W Blake, CW Breuner. (2023). Body mass and triglycerides predict departure of free-living nomadic pine siskins. *Functional Ecology* 37(2): 372-382.
Featured by eBird Montana (see Research Highlighted in the Press)
7. Gutierrez Ramirez, M, MS Griego, **JG DeSimone**, CR Elowe, AR Gerson. (2022). Depleted lean body mass after crossing an ecological barrier differentially affects stopover duration and refueling rate among species of long-distance migratory birds. *Functional Ecology* 36(12): 2995-3006.
6. **DeSimone, JG**, B Tobalske, CW Breuner. (2021). Physiology and behavior under food limitation support escape, not preparative, response in the nomadic Pine Siskin (*Spinus pinus*). *Journal of Experimental Biology* 224(3).
5. Griego, MS, **JG DeSimone**, M Gutierrez Ramirez, AR Gerson. (2021). Aminopeptidase-N modulation assists lean mass anabolism during refueling in the White-throated sparrow. *Proceedings of the Royal Society B* 288(1943).
4. Gerson, AR, **JG DeSimone**, B Black, M Dick, DEJ Groom. (2020). Metabolic suppression after long duration flight is not related to fat-free mass loss or flight duration in a migratory passerine. *Journal of Experimental Biology* 223(19).
3. **DeSimone, JG**, M Gutierrez Ramirez, MS Griego, CR Elowe, CW Breuner, AR Gerson. (2020). Developing a Stopover-CORT hypothesis: corticosterone predicts body composition and refueling rate in Gray Catbirds during migratory stopover. *Hormones and Behavior* 124.
2. Cheng, T, AR Gerson, M Moore, J Reichard, **JG DeSimone**, C Willis, W Frick, AM Kilpatrick. (2019). Higher fat stores contribute to persistence of little brown bat populations with white-nose syndrome. *Journal of Animal Ecology* 88(4).
1. †**DeSimone, JG**, †E Clotfelter, B Black, S Knutie. (2018). Avoidance, tolerance, and resistance to ectoparasites in nestling and adult tree swallows. *Journal of Avian Biology* 49(2).

Non-peer reviewed publications

DeSimone, JG. 2026. “Listening to Pine Siskins” guest post for Wilson Ornithological Society.
<https://wilsonsociety.org/2026/06/16/guest-post-listening-to-pine-siskins/>

Scientific Presentations

Invited Seminars

- 2026 Keynote Speaker, Eastern Bird Banding Association conference, Ligonier, PA
- 2025 University of Maine, School of Biology and Ecology, Orono, ME
- 2025 Atlantic Flyway Landbird Committee meeting
- 2023 Smithsonian’s National Zoo and Conservation Biology Institute, Migratory Bird Center and Center for Conservation Genomics, Washington, D.C.
- 2023 Colorado State University, Fish, Wildlife, and Conservation Biology, Fort Collins, CO
- 2022 University of Maryland Center for Environmental Science, Appalachian Lab, Frostburg, MD
- 2022 University of Montana, Organismal Biology, Ecology & Evolution, Missoula, MT
- 2021 University of Montana, Organismal Biology, Ecology & Evolution, Missoula, MT
- 2019 University of Montana, Organismal Biology, Ecology & Evolution, Missoula, MT

Conference Symposia

- 2024 Co-organized “Strategic public engagement to support bird research and conservation goals” with Drs. Cathlyn Davis and Emily Cohen, American Ornithological Society, Estes Park, CO.
- 2023 Organized “A social perspective on songbird migration,” joint conference of the American Ornithological Society and Society of Canadian Ornithologists, London, Ontario.

Conference Presentations (Talks)

* denotes student mentee

- 2025 **JG DeSimone** and EB Cohen. Songbird stopover communities in a changing world. Gordon Research Seminar, Movement Ecology of Animals, Ventura, CA.
- 2024 C Davis, EB Cohen, **JG DeSimone**. Integrating behavior changes theories into conservation education at science-research sites. North American Association for Environmental Education, Pittsburgh, PA.
- 2024 **JG DeSimone**, EN Dalton, LW DeGroot, M Furst, SR Morris, AJ Patterson, EB Cohen. Population declines and phenological shifts are changing migrating bird communities. American Ornithological Society, Estes Park, CO.
- 2024 C Davis, **JG DeSimone**, EB Cohen. Being more strategic in your public engagement efforts. American Ornithology Society, Estes Park, CO.
In Public Engagement symposium
- 2024 *Tsuru, BR, JJ Buler, **JG DeSimone**, CE Nemes, EB Cohen. Seeking scale-dependent drivers of species-specific filtering from passage in migratory birds. International Radar Aeroecology Conference, Newark, DE.

- 2023 **DeSimone, JG**, EB Cohen. Communities on the move: testing the strength and persistence of songbird species associations at stopover. American Ornithological Society, London, Ontario.
In Social Perspective on Migration symposium
- 2023 *Griffis, E, **JG DeSimone**, J Owen. Effects of weather on arrival of migrating landbirds in fall at an inland stopover site in mid-Michigan, USA. American Ornithological Society, London, Ontario.
- 2022 **DeSimone, JG**. Migratory physiology of the nomadic Pine Siskin. University of Maryland Center for Environmental Science seminar series, Frostburg MD.
- 2022 Breuner, CW, **JG DeSimone**. Migratory physiology of the nomadic, irruptive Pine Siskin in captivity and the field. International Symposium for Avian Endocrinology, Edinburgh, Scotland.
- 2022 **DeSimone, JG**, B Tobalske, M Fylling, W Blake, CW Breuner. Migratory physiology of the nomadic, irruptive Pine Siskin in captivity and the field. Society for Integrative and Comparative Biology, virtual conference.
In session for DCE Best Student Presentation Award
- 2021 **DeSimone, JG**, B Tobalske, M Fylling, W Blake, CW Breuner. Migratory physiology of the nomadic, irruptive Pine Siskin in captivity and the field. American Ornithological Society and Society of Canadian Ornithologists virtual conference.
Winner of best student presentation award
- 2021 *Sriraman, S, **JG DeSimone**, *L Rolls, CW Breuner, E Greene. Understanding the social behavior and public information sharing of an irruptive migrant. University of Montana Conference on Undergraduate Research. Missoula, MT.
- 2020 Gutierrez, M, **JG DeSimone**, MS Griego, CR Elowe, AR Gerson. Linking movement ecology, body condition, and physiology to better understand stopover ecology along the Gulf Coast. North American Ornithological Society.
- 2020 Griego, MS, M Gutierrez, **JG DeSimone**, AR Gerson. Migratory distance impacts metabolic and refueling rates of neotropical migrants. North American Ornithological Society.
- 2020 **DeSimone, JG**, B Tobalske, CW Breuner. Prepare or escape? The behavioral, physiological, and hormonal responses of a facultative migrant to declining food availability. Society for Integrative and Comparative Biology, Austin, TX
- 2019 **DeSimone, JG**, B Tobalske, CW Breuner. Prepare or escape? The behavioral, physiological, and hormonal responses of a facultative migrant to declining food availability. Wilson Ornithological Society, Cape May, NJ.
- 2019 Groom, DEJ, B Black, J Deakin, **JG DeSimone**, MC Lauzau, B Pedro, C Straight, K Unger, M Miller, AR Gerson. The impact of lean mass loss during migratory flight on muscle energetic and contractile properties in the Yellow-Rumped Warbler (*Setophaga coronata*). Integrative Congress of Comparative Physiology and Biochemistry, Ottawa, Canada.
- 2019 Groom, DEJ, B Black, J Deakin, **JG DeSimone**, MC Lauzau., B Pedro., C Straight, K Unger, M Miller, AR Gerson. The impact of lean mass loss during migratory flight on muscle energetics and contractile properties in the Yellow-Rumped Warbler (*Setophaga coronata*). Canadian Society of Zoologists, Windsor, Canada.

Conference Presentations (Posters)

* denotes student mentee

- 2025 **JG DeSimone**, CE Nemes, C Thomas-Bulle, BR Tsuru, MJ Anderson, CS Berg, CM Davis, EB Cohen. From predation to mutualism: authors' gender identities influence the focus of ecological research on species interactions. European Society for Evolutionary Biology, Barcelona, ES.
- 2025 **JG DeSimone** and EB Cohen. Songbird stopover communities in a changing world. Gordon Research Conference, Movement Ecology of Animals, Ventura, CA.
- 2025 **JG DeSimone** and EB Cohen. Songbird stopover communities in a changing world. Gordon Research Seminar, Movement Ecology of Animals, Ventura, CA.
- 2024 *Tsuru, BR, JJ Buler, **JG DeSimone**, C Nemes, EB Cohen. Seeking scale-dependent drivers of species-specific filtering from passage in migratory birds. International Radar Aeroecology Conference, Newark, DE.
- 2023 *Donley, A, **JG DeSimone**. The effects flight call similarity and flight proximity have on stopover networking in Parulidae warblers during migration. Frostburg State University Biosymposium, Frostburg, MD.
- 2020 Glidden, C, J Deakin, **JG DeSimone**, CR Elowe, DEJ Groom, J Slezacek, AR Gerson. Assessment of novel biomarkers of kidney function and damage in migratory songbirds after long-duration flight. Society of Integrative and Comparative Biology, Austin, TX.
- 2019 **DeSimone, JG**, M Gutierrez Ramirez, CW Breuner, CR Elowe, MS Griego, AR Gerson. Baseline corticosterone and body composition of Gray Catbirds at stopover during spring migration. Society for Integrative and Comparative Biology, Tampa, FL.
- 2018 **DeSimone, JG**, M Gutierrez Ramirez, CW Breuner, CR Elowe, MS Griego, AR Gerson. Baseline corticosterone and body composition of Gray Catbirds at stopover during spring migration. International Ornithological Congress, Vancouver, BC.
- 2017 Griego, MS, **JG DeSimone**, M Gutierrez Ramirez, AR Gerson. Aminopeptidase-N modulation assists lean mass anabolism during refueling in the White-throated Sparrow (*Zonotrichia albicollis*). Society for Integrative and Comparative Biology, New Orleans, LA.
- 2016 **DeSimone, JG**, E Clotfelter, B Black, S Knutie. Do tree swallows buffer their offspring against ectoparasites? North American Ornithological Conference, Washington, D.C.
- 2016 Gutierrez Ramirez, M, **JG DeSimone**, MS Griego, AR Gerson, C Heckscher. Refueling performance of spring trans-Gulf migrants and the influence of lean body mass on stopover duration. North American Ornithological Conference, Washington, D.C.
- 2016 Griego, MS, M Gutierrez Ramirez, **JG DeSimone**, AR Gerson. Variation in body composition affects refueling performance and basal metabolic rate in Gray Catbirds (*Dumetella carolinensis*) during migratory stopover. North American Ornithological Conference, Washington, D.C.
- 2016 Clotfelter, E, **JG DeSimone**, B Black, J Runjaic, S Knutie. Parasite tolerance and resistance in nestling and adult tree swallows. International Society for Behavioral Ecology Conference, Exeter U.K.

Public Outreach Presentations

- Watershed Moments**, community learning series, McHenry, MD 2024
- Brains and Brews**, local seminar series, Frostburg, MD 2024

San Francisco State University , Advances in Physiology and Behavioral Biology MS students	2023
Kansas State University , Ornithology undergraduate students	2023
Paideia High School STEMinar , Atlanta, GA	2023
Central Sierra Audubon chapter	2021

Teaching and Mentoring

Courses

University of Maryland Center for Environmental Science, Appalachian Lab

Guest Lecturer, Spatial Ecology graduate course, “Social Networks in Ecology”	2024
Guest Lecturer, Ecological Systems graduate course, “Critical Scientific Histories in Ecology.”	2023, '24
<i>Lecture materials available at joeydesimone.weebly.com</i>	
Guest Lecturer, Spatial Ecology graduate course, “Aeroecology”	2022

University of Montana

Guest Lecturer, Comparative Animal Physiology BIOL435, “Stress physiology”	2021
Guest Lecturer, Ornithology BIOC490, “Hormonal control of migration”	2021
Discussion Leader, first-year graduate student reading group BIOB594	Spring 2020, Spring 2021
Teaching Assistant, Ornithology BIOC490	Spring 2018
Teaching Assistant, Principles of Living Systems BIOB161	Fall 2017

Mentorship

PhD committee member

Brian Tsuru, University of Maryland Center for Environmental Science, 2024-present

Undergraduate honors thesis advisor

Sarah Sriraman, University of Montana, “Understanding the benefits of sociality and social information in an irruptive migrant,” 2020-2022. Presented research at university conference; co-first author on published paper

UMCES Appalachian Laboratory summer undergraduate intern mentor

Atlee Wise, 2022
 A'laurenye' McBeth, 2022
 Alexander Donley, 2023
 Anna Cullen, 2024; continued research project through Fall 2024

University of Montana field and lab technician supervisor

Carly Andlauer, University of Montana, 2018
 Stephanie Klein, University of Montana, 2018
 Megan Robbins, University of Montana, 2018-2019
 Josiah Simmons, University of Montana, 2019
 Lesley Rolls, University of Montana, 2020; co-author on conference presentation and published paper
 Sunny Domschot, 2020; co-author on two published papers

Professional Development and Training

NSF PRFB Broadening Participation Workshop , SACNAS NDiSTEM conference	2024
Pronouns 101 Training , University of Maryland	2024
Mentoring Workshop , University of Maryland	2023
Best Practices in Inclusive Hiring Workshop , University of Maryland	2023
Radar Aeroecology Workshop , Colorado State University, Fort Collins CO	2022
Sense of Belonging in Field Courses: What, Why, When, and How? , Belonging in Field Education	2022
University of Montana Allies Training	2021

Service

Professional

Editing

Guest editor for movement ecology special feature at Journal of Animal Ecology (in progress) 2026

Peer Review

Reviewed manuscripts for Biology Letters (1), Conservation Physiology (1), Global Ecology and Biogeography (2), Hormones and Behavior (2), Integrative and Comparative Biology (2), Journal of Field Ornithology (2), Nature Ecology & Evolution (2), Ornithology (2), and PNAS (2), and reviewed fellowship application for Graduate Women in Science (1)

Scientific Program Committee for American Ornithological Society conferences 2023-25

Institutional

UMCES Appalachian Lab Diversity, Equity, and Inclusion Committee, co-President 2025-present

UMCES Appalachian Lab Diversity, Equity, and Inclusion Committee, member 2022-2024

UMCES Appalachian Lab Undergraduate Intern Program, coordinated workshops, resources 2024, 2025

UMCES Appalachian Lab Faculty Search Committee 2023-2024

University of Montana Graduate Governing Committee, co-President 2021-2022

University of Montana Graduate Governing Committee, member Spring 2021

University of Montana SACNAS chapter, member 2021-2022

Public

Letters to a Pre-Scientist, pen pal 2018-20, 2023-25

NSF PRFB application workshop, panelist at SACNAS NDiSTEM conference 2024

Conversations with Scientists, mentor at SACNAS NDiSTEM conference 2024

STEM Like a Girl, tabled at local outreach event 2024, 2025

FSU STEM Summit, program for regional high school students, Frostburg, MD 2023

Paideia High School Professional Immersions, Atlanta, GA 2021, 2022

Girls n' Bugs Club, mentor for K-5 girls, Missoula Insectarium 2018

Research Highlighted in the Press

DeSimone, JG, *BS Domschot, M Fylling, W Blake, CW Breuner. (2023). Body mass and triglycerides predict departure of free-living nomadic pine siskins. *Functional Ecology* 37(2): 372-382.

Featured by:

eBird Montana. 2023. "On the Move." <https://ebird.org/mt/news/on-the-move>

DeSimone, JG, LW DeGroot, SA MacKenzie, JC Owen, AJ Patterson, EB Cohen. (2024). Persistent species relationships characterize migrating songbird communities across stopover sites and seasons. *Proceedings of the National Academy of Sciences* 124(34) e2322063121.

Featured by:

National Geographic. 2024. "Do birds have migration buddies? A new study shows surprising connections between species." Jason Bittel. <https://www.nationalgeographic.com/animals/article/bird-migration-social-relationship>

Science Friday. 2024. "Different Bird Species May Team Up For Migration." <https://www.sciencefriday.com/segments/songbird-species-work-together-during-migration/>

WYPR On the Record. 2024. "Social or solitary? The secret lives of migratory songbirds." <https://podcasts.apple.com/us/podcast/social-or-solitary-the-secret-lives-of-migratory-songbirds/id1156613651?i=1000669446190>

Smithsonian Magazine. 2024. "Birds Form Surprising Relationships With Other Avian Species During Migration, Study Suggests." Alexa Robles-Gil. <https://www.smithsonianmag.com/smart-news/birds-form-surprising-relationships-with-other-avian-species-during-migration-study-suggests-180985059/>

Audubon. 2024. "A new study reveals migration isn't a solo affair—it's the social event of the season." Benjamin Hack. <https://www.audubon.org/magazine/new-study-reveals-migration-isnt-solo-affair-its-social-event-season>

National Science Foundation. 2024. "Studying the journey, not the destination, provides new insight into songbird migrations." <https://new.nsf.gov/news/studying-journey-into-songbird-migrations>

Santa Barbara Independent. 2024. "Birds of Two Feathers Flock Together." Hugh Ranson. <https://www.independent.com/2024/09/06/birds-of-two-feathers-flock-together/>

UMCES. 2024. "Migratory bird species found to be socially oriented." <https://www.umces.edu/news/migratory-bird-species-found-to-be-socially-oriented>

earth.com. 2024. "Bird migration is influenced by social relationships." by Sanjana Gajbhiye. <https://www.earth.com/news/bird-migration-is-influenced-by-social-relationships/>

phys.org. 2024. "Studying the journey, not the destination, provides new insight into songbird migrations." https://phys.org/news/2024-08-journey-destination-insight-songbird-migrations.html#google_vignette

earth.com. 2024. "Songbirds benefit from social networks during migration." by Andrei Ionescu. <https://www.earth.com/news/songbirds-benefit-from-social-networks-during-migration/>

Van Doren, BM, **JG DeSimone**, JA Firth, F Hillemann, Z Gayk, E Cohen, A Farnsworth. (2025). Social associations across species during nocturnal bird migration. *Current Biology* 35(4): 898-904.

Featured by:

Scientific American. 2025. “Migrating birds sing to team up with other species.” Gayoung Lee. <https://www.scientificamerican.com/article/migrating-birds-sing-to-team-up-with-other-species/#:~:text=The%20researchers%20found%20that%20solitary,to%20watch%20out%20for%20ahead.>

Daily Mail. 2025. “Why birds love a good chat during migration—and how they ‘buddy up’ with a pal for the long journey.” Xantha Leatham. <https://www.dailymail.co.uk/news/article-14290279/birds-chat-migration-buddy-pal-long-journey.html>

EcoWatch. 2025. “Songbirds have in-flight ‘conversations’ with other species during migration, study shows.” Cristen Hemingway Jaynes. <https://www.ecowatch.com/songbirds-migration-conversations.html>

earth.com. 2025. “Songbirds ‘talk’ to each other during migration.” Andrei Ionescu. <https://www.earth.com/news/songbirds-talk-to-each-other-during-migration/>

ScienceDaily. 2025. <https://www.sciencedaily.com/releases/2025/01/250115125116.htm>

Cosmos. 2025. “Songbirds may ‘talk’ to other species as they migrate.” Imma Perfetto. <https://cosmosmagazine.com/nature/birds/songbirds-talk-species-migrate/>

UMCES. 2025. “Songbirds socialize on the wing during migration, new study says.” <https://www.umces.edu/news/songbirds-socialize-on-the-wing-during-migration-new-study-says>

ACES News. 2025. “Songbirds socialize on the wing during migration, new study says.” Lauren Quinn. <https://aces.illinois.edu/news/songbirds-socialize-wing-during-migration-new-study-says>

JG DeSimone, SC Sriraman, J Tir, L Rolls, HE Watts, CW Breuner, E Greene. (2025). Call rate and types of calls produced vary with flock movements in wild nomadic Pine Siskins (*Spinus pinus*). *Wilson Journal of Ornithology*.

Wilson Ornithological Society. 2026. “Listening to Pine Siskins.” Joely DeSimone. <https://wilsonsociety.org/2026/06/16/guest-post-listening-to-pine-siskins/>

Interviewed for comments:

Audubon. 2023. “Golden-crowned Sparrows prefer to spend winter with their buddies.” Paige Curtis. <https://www.audubon.org/magazine/golden-crowned-sparrows-prefer-spend-winter-their-buddies>

The Revelator. 2025. “Trump vs. Birds: Proposed Budget Eliminates Critical Research Programs.” Rebecca Heisman. <https://therevelator.org/trump-vs-birds/>