

Benjamin M. Van Doren

Assistant Professor · Department of Natural Resources & Environmental Sciences
University of Illinois at Urbana-Champaign, Urbana, Illinois, USA
vandoren@illinois.edu

Education

PhD	University of Oxford , Department of Zoology · <i>Marshall Scholar</i> Thesis: "Flexibility in avian migration across scales"	2016–2020 Oxford, UK
BSc	Cornell University · <i>Summa Cum Laude · Distinction in Research</i> Majors: Biological Sciences · Biometry & Statistics	2012–2016 Ithaca, New York, USA

Appointments

Assistant Professor · University of Illinois at Urbana-Champaign Department of Natural Resources and Environmental Sciences	Starting Dec 2023 Urbana, Illinois, USA
Presidential Postdoctoral Fellow · Cornell University Lab of Ornithology, College of Agriculture & Life Sciences	2020–2023 Ithaca, New York, USA
Independent Researcher · University of Oxford Department of Zoology	2020 Oxford, UK

Awards and Honors

- 2021** Thomas Henry Huxley Award and Marsh Prize · Zoological Society of London
- 2021** James G. Cooper Early Professional Award · American Ornithological Society
- 2021** Elective Member · American Ornithological Society
- 2021** John C. Marsden Medal for Best Doctoral Thesis in Biology · Linnean Society of London
- 2020** Best Talk on Avian Behavior · North American Ornithological Conference
- 2019** Best Talk by an Early Career Researcher · British Ornithologists' Union Meeting
- 2016** Best Talk by an Undergraduate · North American Ornithological Conference
- 2016** Merrill Presidential Scholar (top 1% of Cornell University undergraduates)

Scholarships, Fellowships and Grants

Major Research Grants

- 2022 NSF Infrastructure Innovation for Biological Research: Bioinformatics**
BirdFlow: Learning Bird Population Flows from Citizen Science Data (DBI-2210980)
 - \$1.5 million total budget 2022–2025; \$674,643 awarded to Cornell.

Scholarships and Fellowships

- 2020** Cornell Presidential Postdoctoral Fellowship (\$238,000, 3 years)
- 2020** Michigan Society of Fellows Postdoctoral Fellowship (\$187,000, declined)
- 2016** Marshall Scholarship (£100,000, 3 years)
- 2014** Goldwater Scholarship (\$15,000, 2 years)
- 2012** Rawlings Presidential Research Scholar · Cornell University (\$8,000, 4 years)
- 2012** Intel Science Talent Search (\$30,000)
- 2012** National Merit Scholarship (\$2,500)

Small Research Grants

- 2023** Amazon Cloud Credits for Research · Amazon Web Services (\$20,000)
- 2017** Rosemary Grant Research Award · Society for the Study of Evolution (\$2,150)
- 2017** Mewaldt-King Award · American Ornithological Society (\$2,050)
- 2017** Frank M. Chapman Research Grant · American Museum of Natural History (\$1,700)
- 2017** British Trust for Ornithology Research Grant (£500)
- 2016** Dextra Undergraduate Research Endowment Grant x2 · Cornell University (\$1,200; \$575)
- 2015** Cornell Lab of Ornithology Student Grant (\$4,200)
- 2015** Cornell Alumni Association Grant (\$550)
- 2014** Cornell Ivy Expedition Grant (\$14,670 to team)

Travel Grants

- 2022** American Ornithological Society Travel Award (\$530)
- 2019** Marya Antonina Czaplicka Travel Grant · University of Oxford (£400)
- 2018** Marya Antonina Czaplicka Travel Grant · University of Oxford (£350)
- 2017** Marya Antonina Czaplicka Travel Grant · University of Oxford (£175)
- 2016** North American Ornithological Conference Travel Award (\$135)

Peer-reviewed Publications

39 journal articles · 1551 citations[†] · h-index: 22

Journals include *Science*, *PNAS*, *Global Change Biology*, and *Current Biology*.

Preprints

- 44. Van Doren BM, Farnsworth A, Stone K, Osterhaus DM, Drucker J, Van Horn G. Nighthawk: acoustic monitoring of nocturnal bird migration in the Americas. *bioRxiv*. doi: 10.1101/2023.05.22.541336.
- 43. Delmore KE, Van Doren BM, Ullrich K, Curk T, van der Jeugd HP, Liedvogel M. Structural genomic variation and migratory behavior in wild songbirds. *bioRxiv*. doi: 10.1101/2023.04.24.538030.

In Review

- 42. Wynn J, Fandos G, Delmore K, **Van Doren BM**, Fransson T, Liedvogel M. Could bi-axial orientation explain wintering range expansion in a migratory songbird? *eLife*.

2023

- 41. Rohwer V, Hagler S, **Van Doren BM**, Fuentes M, Billerman SM. Lower survival of hybrid grosbeaks, but not towhees, suggests a molt divide disfavors hybrids. *Evolution*. qpad112. doi: 10.1093/evolut/qpad112.
- 40. Loss SR, ... , **Van Doren BM**, ... , Farnsworth A. Citizen science to address the global issue of bird–window collisions. *Frontiers in Ecology and the Environment*. doi: 10.1002/fee.2614.
- 39. Fuentes M, **Van Doren BM**, Fink D, Sheldon D. BirdFlow: Learning seasonal bird movements from eBird data. *Methods in Ecology and Evolution*. 14:923-938. doi: 10.1111/2041-210X.14052.
- 38. Horton KG, Morris SR, **Van Doren BM**, Covino KM. Six decades of North American bird banding records reveal plasticity in migration phenology. *Journal of Animal Ecology*. 92:738–750. doi: 10.1111/1365-2656.13887.
- 37. **Van Doren BM**, Lostanlen V, Cramer A, Salamon J, Dokter A, Kelling S, Bello JP, Farnsworth A. Automated acoustic monitoring captures timing and intensity of bird migration. *Journal of Applied Ecology*. 60:433–444. doi: 10.1111/1365-2664.14342.

[†]Google Scholar profile: <https://scholar.google.com/citations?user=r9Vj5hIAAAAJ>

2022

35. La Sorte FA, Johnston A, Rodewald AD, Fink D, Farnsworth A, **Van Doren BM**, Auer T, Strimas-Mackey M. The role of artificial light at night and road density in predicting the seasonal occurrence of nocturnally migrating birds. *Diversity and Distributions*. 28:992–1009. doi: 10.1111/ddi.13499.

2021

34. Syposz M, Padgett O, Willis J, **Van Doren BM**, Gillies N, Fayet AL, Wood MJ, Alejo A, Guilford T. Avoidance of different durations, colours and intensities of artificial light by adult seabirds. *Scientific Reports*. 11:18941. doi: 10.1038/s41598-021-97986-x.
33. Nilsson C, La Sorte F, Dokter A, Horton K, **Van Doren BM**, Kolodzinski J, Shamoun-Baranes J, Farnsworth A. Bird strikes at commercial airports explained by citizen science and weather radar data. *Journal of Applied Ecology*. 58:2029–2039. doi: 10.1111/1365-2664.13971.
32. **Van Doren BM**, Willard DE, Hennen M, Horton KG, Stuber EF, Sheldon D, Sivakumar AH, Wang J, Farnsworth A, Winger BM. Drivers of fatal bird collisions in an urban center. *PNAS*. 118:e2101666118. doi: 10.1073/pnas.2101666118.
31. **Van Doren BM**, Conway GJ, Phillips RJ, Evans GC, Roberts GCM, Liedvogel M, Sheldon BC. Human activity shapes the wintering ecology of a migratory bird. *Global Change Biology*. 27:2715–2727. doi: 10.1111/gcb.15597.
30. Horton KG, **Van Doren BM**, Albers HJ, Farnsworth A, Sheldon D. Near-term ecological forecasting for dynamic aeroconservation of migratory birds. *Conservation Biology*. 35:1777–1786. doi: 10.1111/cobi.13740.

2020

29. Delmore KE,* **Van Doren BM**,* Conway GJ, Curk T, Garrido-Garduño T, Germain RR, Hasselmann T, Hiemer D, van der Jeugd HP, Justen H, Lugo Ramos JS, Maggini I, Meyer BS, Phillips RJ, Remisiewicz M, Roberts GCM, Sheldon BC, Vogl W, Liedvogel M. Individual variability and versatility in an eco-evolutionary model of avian migration. *Proceedings of the Royal Society B: Biological Sciences*. 287:20201339. doi: 10.1098/rspb.2020.1339.
*Equal author contributions
28. Sendell-Price AT, Ruegg KC, Anderson EC, Quilodrán CS, **Van Doren BM**, Underwood VL, Coulson T, Clegg SM. The genomic landscape of divergence across the speciation continuum in island-colonising silvereyes (*Zosterops lateralis*). *G3*. 10:3147–3163. doi: 10.1534/g3.120.401352.
27. Pirzio Biroli A, **Van Doren BM**, Grabowska-Zhang A. Drivers of avian species richness and community structure in urban courtyard gardens. *Journal of Urban Ecology*. 6:juz026. doi: 10.1093/jue/juz026.

2019

26. Helm B,* **Van Doren BM**,* Hoffmann D, Hoffmann U. Evolutionary response to climate change in migratory pied flycatchers. *Current Biology*. 29:3714–3719.e4. doi: 10.1016/j.cub.2019.08.072.
*Equal author contributions
• **Commentary** in *Current Biology* 29:R1189–R1191 (doi: 10.1016/j.cub.2019.09.062).
25. Lin T-Y, Winner K, Bernstein G, Dokter A, Horton KG, Nilsson C, **Van Doren BM**, Farnsworth A, La Sorte FA, Maji S, Sheldon D. MistNet: Measuring historical bird migration in the US using archived weather radar data and convolutional neural networks. *Methods in Ecology and Evolution*. 10:1908–1922. doi: 10.1111/2041-210X.13280.
24. **Van Doren BM**, Hruska JP, Dzielski SA, Butcher B. Helpers at a *Sapayoa* nest are kin. *Bulletin of the British Ornithologists' Club*. 139:94–98. doi: 10.25226/bboc.v139i2.2019.a1.

23. Horton KG, Nilsson C, **Van Doren BM**, La Sorte FA, Dokter AM, Farnsworth A. Bright lights in the big cities: migratory birds' exposure to artificial light at night. *Frontiers in Ecology and the Environment*. 17:209-214. doi: 10.1002/fee.2029.
22. Horton KG, **Van Doren BM**, La Sorte FA, Cohen EB, Clipp H, Buler JJ, Fink D, Kelly JF, Farnsworth A. Holding steady: Little change in intensity or timing of bird migration over the Gulf of Mexico. *Global Change Biology*. 25:1106-1118. doi: 10.1111/gcb.14540.

2018

21. Nilsson C, Horton KG, Dokter AM, **Van Doren BM**, Farnsworth A. Aeroecology of a solar eclipse. *Biology Letters*. 14:20180485. doi: 10.1098/rsbl.2018.0485.
20. **Van Doren BM**, Horton KG. A continental system for forecasting bird migration. *Science*. 361:1115-1118. doi: 10.1126/science.aat7526.
 • **Featured** in *Nature* 561:314 (doi: 10.1038/d41586-018-06688-4).
19. Horton KG, **Van Doren BM**, La Sorte FA, Fink D, Sheldon D, Farnsworth A, Kelly J. Navigating north: how body mass and winds shape avian flight behaviors across a North American migratory flyway. *Ecology Letters*. 21:1055-1064. doi: 10.1111/ele.12971.
18. Delmore KE, Lugo Ramos JS, **Van Doren BM**, Lundberg M, Bensch S, Irwin DE, Liedvogel M. Comparative analysis examining patterns of genomic differentiation across multiple episodes of population divergence in birds. *Evolution Letters*. 2:76-87. doi: 10.1002/evl3.46.
17. **Van Doren BM**, Freeman BG, Aristizabal N, Alvarez-R M, Perez-Eman J, Cuervo AM, Bravo GA. Species limits in the Rusty-breasted Antpitta (*Grallaricula ferrugineipectus*) complex. *Wilson Journal of Ornithology*. 130:152-167. doi: 10.1676/16-126.1.
 • The American Ornithological Society voted unanimously to revise the taxonomy (SACC proposal 784).

2017

16. **Van Doren BM**,* Horton KG,* Dokter AM, Klinck H, Elbin SE, Farnsworth A. High-intensity urban light installation dramatically alters nocturnal bird migration. *PNAS*. 114:11175-11180. doi: 10.1073/pnas.1708574114.
 *Equal author contributions
15. **Van Doren BM**, Campagna L, Helm B, Illera JC, Lovette IJ, Liedvogel M. Correlated patterns of genetic diversity and differentiation across an avian family. *Molecular Ecology*. 26:3982-3997. doi: 10.1111/mec.14083.
 • **Commentary** in *Molecular Ecology* 26:3853-3856 (doi: 10.1111/mec.14167).
14. **Van Doren BM**, Liedvogel M, Helm B. Programmed and flexible: long-term *Zugunruhe* data highlight the many axes of variation in avian migratory behaviour. *Journal of Avian Biology*. 48:155-172. doi: 10.1111/jav.01348.

2016

13. Hruska JP, Dzielski SA, **Van Doren BM**, Hite JM. Notes on the avifauna of the northern Serranía de Pirre, Panamá. *Bulletin of the British Ornithologists' Club*. 136:224-242.
12. Horton KG, **Van Doren BM**, Stepanian PM, Farnsworth A, Kelly JF. Where in the air? Aerial habitat use of nocturnally migrating birds. *Biology Letters*. 12:20160591. doi: 10.1098/rsbl.2016.0591.
11. Horton KG, **Van Doren BM**, Stepanian PM, Farnsworth A, Kelly JF. Seasonal differences in landbird migration strategies. *The Auk: Ornithological Advances*. 133:761-769. doi: 10.1642/AUK-16-105.1.
10. Shamoun-Baranes J, Farnsworth A, Aelterman B, Alves JA, Azijn K, Bernstein G, Branco S, Desmet P, Dokter AM, Horton K, Kelling S, Kelly JF, Leijnse H, Rong J, Sheldon D, Van den

- Broeck W, Van Den Meersche JK, **Van Doren BM**, van Gasteren H. Innovative visualizations shed light on avian nocturnal migration. *PLoS ONE*. 11:e0160106. doi: 10.1371/journal.pone.0160106.
9. Dzielski SA,* **Van Doren BM**,* Hruska JP, Hite JM. Reproductive biology of the Sapayoa (*Sapayoa aenigma*), the 'Old World suboscine' of the New World. *The Auk: Ornithological Advances*. 133:347-363. doi: 10.1642/AUK-16-5.1.
*Equal author contributions
 8. Horton KG, **Van Doren BM**, Stepanian PM, Hochachka WM, Farnsworth A, Kelly JF. Nocturnally migrating songbirds drift when they can and compensate when they must. *Scientific Reports*. 6:21249. doi: 10.1038/srep21249.
 7. **Van Doren BM**, Horton KG, Stepanian PM, Mizrahi DS, Farnsworth A. Wind drift explains the reoriented morning flights of songbirds. *Behavioral Ecology*. 27:1122-1131. doi: 10.1093/beheco/arw021.
 6. Farnsworth A, **Van Doren BM**, Hochachka WM, Sheldon D, Winner K, Irvine J, Geevarghese J, Kelling S. A characterization of autumn nocturnal migration detected by weather surveillance radars in the northeastern USA. *Ecological Applications*. 26:752-770. doi: 10.1890/15-0023.

2015

5. La Sorte FA, Hochachka WM, Farnsworth A, Sheldon D, Fink D, Geevarghese J, Winner K, **Van Doren BM**, Kelling S. Migration timing and its determinants for nocturnal migratory birds during autumn migration. *Journal of Animal Ecology*. 84:1202-1212. doi: 10.1111/1365-2656.12376.
4. La Sorte FA, Hochachka WM, Farnsworth A, Sheldon D, **Van Doren BM**, Fink D, Kelling S. Seasonal changes in the altitudinal distribution of nocturnally migrating birds during autumn migration. *Royal Society Open Science*. 2. doi: 10.1098/rsos.150347.
3. **Van Doren BM**, Sheldon D, Geevarghese J, Hochachka WM, Farnsworth A. Autumn morning flights of migrant songbirds in the northeastern United States are linked to nocturnal migration and winds aloft. *The Auk: Ornithological Advances*. 132:105-118. doi: 10.1642/AUK-13-260.1.

2014

2. Farnsworth A, Sheldon D, Geevarghese J, Irvine J, **Van Doren BM**, Webb K, Dietterich TG, Kelling S. Reconstructing Velocities of Migrating Birds from Weather Radar—A Case Study in Computational Sustainability. *AI Magazine*. 35. doi: 10.1609/aimag.v35i2.2527.

2013

1. Sheldon DR, Farnsworth A, Irvine J, **Van Doren BM**, Webb KF, Dietterich TG, Kelling S. Approximate Bayesian Inference for Reconstructing Velocities of Migrating Birds from Weather Radar. *Proceedings of the Twenty-Seventh AAAI Conference on Artificial Intelligence*, July 2013. p. 1334-1340. **Won Best Paper Award.**

Invited Seminars

2023 Georgia Institute of Technology. Atlanta, Georgia.

2023 New York University. New York City, New York.

2023 University of North Carolina at Chapel Hill. Chapel Hill, North Carolina.

2022 University of Illinois Urbana-Champaign. Champaign, Illinois.

2022 Audubon Council of New York State. Saratoga Springs, New York.

2022 Stanford University. Palo Alto, California.

2021 Colorado State University. Fort Collins, Colorado.

- 2020** Cornell University. Ithaca, New York.
- 2019** Nanjing Agricultural University. Nanjing, China.
- 2019** Max Planck Institute for Ornithology. Radolfzell, Germany.
- 2018** National Oceanic and Atmospheric Administration. Silver Spring, MD, USA (via webinar).
- 2018** Max Planck–Yale Center for Biodiversity Movement and Global Change, Yale University. New Haven, CT, USA.

Conference Presentations

Invited

- 2023** Forecasting bird migration for science and conservation. *Forecasting natural and social systems*. The Royal Society, London, UK.
- 2022** Drivers of fatal bird collisions. *Bird Migration and Light Pollution Stakeholders Meeting*. Fort Collins, CO, USA.
- 2021** **Early Career Plenary:** Changing migrations in a changing world. *Joint Virtual Meeting of the American Ornithological Society and Society of Canadian Ornithologists*.
- 2020** Tracking the migrations of Britain's wintering Blackcaps. *British Trust for Ornithology Annual Conference*. Thetford, UK (virtual).
- 2019** Forecasting bird migration at continental scales. *Intl. Radar Aeroecology Conference*. Zhengzhou, China.
- 2018** A continental system for forecasting bird migration. *Intl. Ornithological Congress*. Vancouver, Canada.

Contributed

- 2022** Automated acoustic monitoring of bird migration using deep learning. *Meeting of the American Ornithological Society & BirdsCaribbean*. San Juan, Puerto Rico.
- 2022** Automated acoustic monitoring of bird migration using deep learning. *3rd International Radar Aeroecology Conference*. Davos, Switzerland.
- 2021** Drivers of fatal bird collisions in an urban center. *Joint Virtual Meeting of the American Ornithological Society and Society of Canadian Ornithologists*.
- 2020** Blackcaps: Versatile migrations and evolutionary insights. *North American Ornithological Conference*.
 • **Won Best Talk on Avian Behavior.**
- 2019** Forecasting bird migration at continental scales. *British Ornithologists' Union Meeting*. Coventry, UK.
 • **Won Best Talk by an Early Career Researcher.**
- 2017** Integrated *Zugunruhe* programmes from migrants to residents: an annual cycle approach in Stonechats. *Genetics of Migration Symposium*. Plön, Germany.
- 2017** Wind drift explains the reoriented morning flights of songbirds. *ENRAM Intl. Conference*. Rome, Italy.
- 2016** Conserved genomic landscapes of genetic diversity and divergence across an avian family. *North American Ornithological Conference*. Washington, D.C., USA.
 • **Won Best Talk by an Undergraduate.**
- 2016** Parallel signatures of selection in an avian family: Genomic landscapes of genetic diversity and divergence are conserved across evolutionary time. *Evolution Conference*. Austin, TX, USA.
- 2011** Meteorological, topographical and behavioral correlates of diurnal morning flight migration in the northeastern United States. *New York State Ornithological Association Meeting*. Montezuma, NY, USA.

Teaching Experience

- Field Biology (**field trip co-leader**; Fall 2021), Cornell University
- Animal Movement Across Space and Time (**guest lecturer**; Fall 2021), Cornell University
- Quantitative Methods for Biologists (**tutor and demonstrator**; MT 2017, HT 2018, MT 2018, HT 2019), University of Oxford
- Tutorials in Animal Migration (**tutor**; TT 2019), University of Oxford
- Essential Programming (**demonstrator**; MT 2018), University of Oxford

Student Supervision and Mentorship

Undergraduate and High School

- 2021–** Elliott Ress. *Sources of variation in flight calls of Magnolia Warblers: sex, age, and individuality*. Undergraduate honors thesis. Cornell University.
- 2021–** Ginny Halterman. *Flight altitudes of arriving spring migrants in the Gulf of Mexico region*. Undergraduate honors thesis. Cornell University.
- 2022** Nicole Liao. *Boosting performance of machine listening systems with data postprocessing*. Independent research project. Cornell University.
- 2021** Braeden Thomson. *Decoding flight calls of the American Redstart*. Independent research project. Cornell University.
- 2020** Eliza Wein. *Has seasonal timing of urban bird migration shifted in the last two decades?* Independent research project. John Jay High School, Cross River, NY.
- 2019** Madeleine Czura. *Spatial and temporal dynamics of wintering Blackcaps in the UK*. Undergraduate dissertation. University of Oxford.
- 2018** Alessandro Pirzio Biroli. *Spatial patterns of avifauna in Oxford colleges: A study in urban ecology*. Undergraduate dissertation. University of Oxford.
Published in J. Urban Ecology (ref. 27).

Graduate

- 2021–** Eric Gulson-Castillo. *Evolution of avian magnetoreception*. PhD thesis. University of Michigan.
- 2021–22** Katherine Chen. *The effects of cloud ceiling height on bird-window collisions*. Committee member, Master's thesis. Columbia University.
- 2021** John R. Toohey. *Impacts of Atlantic tropical cyclones on Neotropical bird migrants*. Mentor, Master's thesis. Johns Hopkins University.

Service

Manuscript Review

Total 62: Ecography (10), Current Biology (5), Journal of Animal Ecology (5), Ornithological Applications (4), Ecology Letters (4), Frontiers in Zoology (4), Remote Sensing (3), Animal Behaviour (3), Journal of Field Ornithology (3), PNAS (3), Journal of Ornithology (3), Movement Ecology (2), PeerJ (2), Biological Conservation (1), Evolution (1), Ecological Solutions and Evidence (1), Functional Ecology (1), Ibis (1), Molecular Ecology (1), The American Naturalist (1), Scientific Reports (1), Science Advances (1), Ornithology (The Auk) (1)

Society Membership

American Ornithological Society (Member, 2010–) (Elective Member, 2021–)
Wilson Ornithological Society (Member, 2010–)
British Ornithologists' Union (Member, 2016–2021)

Society and Institution Service

Member, **Early Professional Committee** of American Ornithological Society (2020–)
Member, **working group** on diversity, equity and inclusion in graduate recruitment (2020–)
Participant, **UN Convention on the Conservation of Migratory Species**, Technical Workshop on Light Pollution (2022)
Member, **search committee** for Senior Technology Officer at Cornell Lab (2020–2021)
Member, **Board of Directors** of New York State Ornithological Association (2021–)
Reviewer (ad-hoc), **National Science Foundation** BIO Directorate (2020)

Outreach

Public Engagement

Contributor to **birdcast.info** since 2012. Bird migration forecasts, analyses, and alerts viewed **>1 million times annually** by the public.

Public Lectures

2022 Eastern Long Island Audubon Society, NY, USA
2022 Rochester Birding Association, NY, USA
2022 Southern Adirondack Audubon, NY, USA
2022 Mecklenburg Audubon Society, NC, USA
2022 Cornwall Library, CT, USA
2022 Westchester Audubon Societies (joint talk for 5 groups), NY, USA
2021 Migration Celebration, NY, USA (Cornell Lab of Ornithology; virtual, >10k views)
2019 Oxford Ornithological Society, UK
2018 Cambridgeshire Bird Club UK
2013 Linnaean Society of New York, USA
2012 Ohio Young Birders Club, OH, USA
2012 Bedford Audubon Society, NY, USA
2012 Hudson River Audubon Society, NY, USA

Notable Media Mentions and Appearances

11 May 2022 How to get the most out of BirdCast's migration forecasts. *Audubon Magazine*. [link]
28 Apr 2022 Houston birders are helping researchers uncover the secret night life of migratory birds. *Houston Public Media*. [link]
21 Apr 2022 Bright lights, big pity: City lights lure migratory birds, with lethal results, but weather radar and modeling can help reduce toll. *Science Magazine*. [link]
6 Apr 2022 How weather radar is helping researchers forecast bird migratory patterns. *Dell Perspectives*. [link]
8 Sep 2021 Advocates call for lights out as 32 million migrating birds expected to fly over Illinois Wednesday and Thursday night. *Chicago Tribune*. [link]
23 Jun 2021 Turning off half of city lights at night could cut bird mortality by up to 60 percent. *Anthropocene Magazine*. [link]
14 Jun 2021 Editorial: Seeing the light on high rate of bird deaths in Chicago. *Chicago Tribune*. [link]
8 Jun 2021 How birders are boosting their yard lists while they sleep. *Audubon Magazine*. [link]
8 Jun 2021 Turn out lights to stop birds hitting windows in migration season. *Times of London, UK*. [link]

- 8 Jun 2021** Turning the lights off for a few nights each year could save millions of birds. *Popular Science*. [link]
- 8 Jun 2021** Turning off just half the lights at McCormick Place could reduce the mortality rate of migratory birds by 60%, study shows. *Chicago Tribune*. [link]
- 7 Jun 2021** Turning off building lights at night cuts bird collisions, study shows. *The Guardian*. [link]
- 16 Sep 2020** California wildfire smoke could explain thousands of dead birds in the southwest. *Forbes*. [link]
- 1 Apr 2019** Chicago tops list of most dangerous cities for migrating birds. *Cornell Chronicle*. [link]
- 16 Sep 2018** Radio interview: BirdCast: Predicting Bird Migrations. *NPR Weekend Edition*. [link]
- 13 Sep 2018** Scientists can now forecast bird migrations with radar and weather data. *Discover Magazine*. [link]
- 13 Sep 2018** Scientists can predict when birds will migrate up to a week in advance. *Smithsonian Magazine*. [link]
- 29 Jun 2018** How weather radar can predict bird migration. *Massive Science*. [link]
- 17 Apr 2018** Wind energy takes a toll on birds, but now there's help. *NBC Mach*. [link]
- 16 Nov 2017** Four billion passenger pigeons vanished. Their large population may have been what did them in. *Science Magazine*. [link]

Popular Science and Other Publications

- Van Doren BM**, 2022. How migratory birds might have tracked past climate change. *PNAS*. 119:e2121738119. doi: 10.1073/pnas.2121738119.
- Van Doren BM**, Conway GJ, 2021. Where do our wintering blackcaps come from? *Bird Table*.
- Van Doren BM**, Conway GJ, 2017. Uncovering mysteries: Investigating the reasons Blackcaps winter with us. *Bird Table*.
- Van Doren BM**, 2011. Nocturnal Flight Calls. *Bird Observer*. 39:201-207.
- Van Doren BM**, 2010. A Brown-backed Solitaire (*Myadestes occidentalis*) in Arizona. *North American Birds*. 64:176-179.