

Jenelle L. Dowling, Ph.D.

Qualifications

Nonprofit leader with 13 years of experience managing projects grounded in science, education and advocacy. I specialize in guiding staff to reach program goals while serving the organization's mission. I've built a diverse toolkit, including foundational science knowledge, education expertise, strength in fundraising, facilitation, and coalition building, and a talent for compassionate and responsive staff management.

Education

Ph.D. Cornell University, Behavioral Ecology
B.A., B.S. University of Maryland, Baltimore County, Biology, Psychology

Professional Positions

Managing Director, National Science Policy Network. Bozeman, MT, 2021-present

- Develop, refine, implement, and evaluate NSPN's governance model, vision, strategy, and programmatic priorities and evaluation, while keeping equity, inclusion and justice at the center of our work
- Lead fundraising and manage organizational budget
- Manage and support staff and lead advisory board
- Connect and manage collaborations with current and potential partners
- Represent the organization to stakeholders: members, partners, funders, and the public
- Oversee programmatic work, providing leadership, direction, and support for program staff

Scientific Director, Adventure Scientists. Bozeman, MT, 2019-2021

- Guided organization strategy as a senior leadership team member; helped direct/refine model and structure
- Led projects team (7-10 total staff), managed budget, and supervised associate directors/managers. Supported and guided each leader in developing their department's strategic priorities, while developing their performance and professional growth.
- Built and managed partnerships with government agencies, academic researchers, NGOs, indigenous leaders, advocacy groups, coalitions, and other decision-making groups to garner support for initiatives and drive conservation action/policy making
- Founded, chaired the organization's first equity, inclusion & justice (EIJ) committee

Staff Scientist, Montana Natural History Center. Missoula, MT, 2016-2019

- Co-founded and built a participant-driven education and advocacy program on Osprey conservation; drove its strategic growth and expansion
- Served as head of research for the organization and provided scientific oversight for education programs, exhibits, and outreach
- Created and maintained long-term partnerships with industry, university, and NGOs
- Managed budget and led staff (1 permanent, 3-7 seasonal), partners, advisors
- Fundraised through extensive grant writing and building new donor relationships
- Worked with tribes to include indigenous perspectives from start to finish in program design. Aligned curricula with 'essential understandings' written by indigenous leaders. Created diverse program advisory boards that elevated indigenous voices in decision-making.

Post-doctoral Research Fellow, Cornell Lab of Ornithology. Ithaca, NY, 2015-2016

- Lead ecological research projects and built vibrant collaborations across disciplines, and worldwide
- Developed and taught two graduate-level research courses; trained and mentored early-career scientists to design research studies, test hypotheses, and collect data
- Prepared grant proposals for large and small federal agencies, foundations, international fellowships, local advocacy groups, and more
- Co-founded a student-led cross-departmental STEM diversity committee, built faculty understanding and support for diversity initiatives, and worked with faculty and staff to implement policy changes

Selected awards

- 2019 NAAEE/UL Innovative STEM Education Award Winner: \$25,000**
2018 Montana Environmental Education Association Sense of Wonder Recognition
2018 Institute of Museum and Library Services Museums Empowered Award: \$8,500
2016 NASA Montana Space Grant Consortium Education Enhancement Award: \$50,000
2010 National Science Foundation Graduate Research Fellowship: \$180,000

Selected publications

- Odom, K.J., Cain, K.E., Hall, M.L., Langmore, N.E., Mulder, R.A., Kleindorfer, S., Karubian, J., Brouwer, L., Enbody, E.D., Jones, J.A., **Dowling, J.L.**, Leitão, A.V., Greig, E.I., Evans, C., Johnson, A.E., Meyers, K.K., Araya-Salas, M., & Webster, M. S. (2021). Sex role similarity and sexual selection predict male and female song elaboration and dimorphism in fairy-wrens. *Ecology and Evolution*, 00: 1–19.
- Cronn, R., Finch, K., Hauck, L., Parker, M., Milligan, B., Erickson D., **Dowling J.** 2021. Range-wide assessment of a SNP panel for individualization and geolocalization of bigleaf maple (*Acer macrophyllum* Pursh). *Forensic Science International: Animals and Environments*, 100033
- De Jong, A., **Dowling, J.**, Greene, E. and Miles, S. 2020. Wings over water: museums, scientists, & teachers collaborate to spark student interest in science through study of ospreys. *Connected Science Learning*, 2(1).
- Mathers-Winn, C.A., **Dowling, J.**, & Webster, M.S. 2018. Forest fire reduces dawn singing effort in a passerine bird. *Australian Field Ornithology*, 35: 75–82.
- Dowling, J.L.** & Webster, M.S. 2017. Working with what you've got: unattractive males show greater mate-guarding effort in a duetting songbird. *Biology Letters*, 13.
- Dowling J.L.**, Colombelli-Négrel, D., Webster M.S. 2016. Kin Signatures Learned in the Egg? Fairy-Wren Songs Similar to Mother's In-Nest Calls. *Frontiers in Ecology and Evolution*, 4 (48).
- Potticary, A.L. *, **Dowling, J.L.**, et al. 2016. Subtle benefits of cooperation to breeding males of the Red-backed Fairy-wren. *Auk*, 133. *Student mentee first author
- Colombelli-Négrel, D., Webster, M.S., **Dowling, J.L.**, et al. 2016. Vocal imitation of mother's calls by begging red-backed fairy wren nestlings increases parental provisioning. *Auk*, 133.
- Dowling, J.L.**, & Webster, M.S. 2015. An experimental test of duet function in a fairy-wren (*Malurus*) with moderate cuckoldry rates. *Behavioral Ecology*, 27(1): 228–236.
- Schwabl, H., **Dowling, J.L.**, et al. 2015. Variation in song system anatomy and androgen levels does not correspond to song characteristics in a tropical songbird. *Animal Behaviour*, 104: 39-50.
- Dowling, J.L.**, Webster, M.S. 2013. The form and function of duets and choruses in Red-backed Fairy-wrens. *Emu: Austral Ornithology*, 113: 282-293.
- Dowling, J.L.**, Luther, D.A., Marra, P.P. 2012. Comparative effects of urban development and anthropogenic noise on bird songs. *Behavioral Ecology*, 23(1): 201-209.
- Dowling, J.L.**, Omland, K.E. 2009. Low return rates in two temperate breeding Orioles. *Wilson Journal of Ornithology*, 121(1).

Selected presentations and seminars

- Dowling, J.L. 2021. Collaborative Assessment of Wild and Scenic Rivers. National Water Monitoring Conference. Virtual.
- Dowling, J.L. 2020. Global scale volunteer management. Public Lands Alliance convention. Washington, DC.
- Dowling, J.L. 2018. Wings Over Water, a STEM program that connects students to research. Western Montana August Institute: Technology in core content areas. Missoula, MT, August 2018.
- Dowling, J.L., Webster, M.S. 2015. Male mating strategies vary with attractiveness and predict paternity in a songbird. Invited talk, Allee Competition. Animal Behavior Society Conference. Anchorage, AK.
- Dowling, J.L., Webster, M.S. 2012. Acoustic mate guarding varies between attractive and unattractive red-backed fairy-wren male morphs. Behavioral Ecology Congress, Lund, Sweden.
- Dowling, J.L., Luther, D.A., Marra, P.P. 2010. Comparative effects of anthropogenic noise and urban development on bird songs. Oral presentation. International Behavioral Ecology Congress, Perth, WA, AU.