

# Ann M. Evankow (she/her)

Research focus: *Cryptogams* ~ *Community* ~ *Collections* ~ *Collaborative Science (CryptoCoLab)*

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Biodiversity, Earth & Environmental Science Dept., Drexel University, Philadelphia

## PROFESSIONAL EXPERIENCE

<b>Postdoctoral Research Fellow</b> , BEES Dept., Drexel University, Philadelphia, PA, USA	Jun 2025 – Present
• Investigator of urban evolution of lichens in NYC, Philadelphia, and other global cities	
<b>PhD Research Fellow / Lichen Herbarium Assistant</b> , NHM, University of Oslo, Norway	Sep 2020 – Dec 2024
• Project coordinator, grant writer, primary researcher of the <i>Psora</i> taxonomic revision	
• Supervised and instructed Master Students at the University of Oslo & NTNU	
• Collected and prepared specimens of lichens from Norway, USA, New Caledonia	
• Utilized lichen specimens from international collections for DNA, TLC, & microscopy	
<b>Phenology Research Assistant</b> , Appalachian Mountain Club, Pinkham's Grant, NH	Nov 2018 - 2020
• Coordinated citizen science project collecting phenology data from alpine plants	
• Recruited participants with presentations, articles, newsletters, and website development	
<b>"A Mountain Classroom" Educator</b> , Appalachian Mountain Club, Pinkham's Grant, NH	Spring 2016, 2018
• Taught environmental science and outdoor recreation to students in groups of 12	
<b>Interim Collections Manager / Collections Associate</b> , OGL, Northeastern University, MA	Jun 2016 - Mar 2018
• Coordinated projects to expand & utilize the Ocean Genome Legacy DNA & Tissue collections	
• Enforced legal compliance of state, federal, and international permits and laws	
• Managed sample database, object documentation, and worked to improve data quality	
• Recruited and corresponded with sample contributors, requesters, and collaborators	
• Supervised lab safety, monitored freezers, and co-managed purchasing activities	
• Planned and carried out science outreach with workshops, bioblitzes and newsletters	
• Supervised undergraduate and high school students working in the collections	
<b>Genetics Researcher</b> , Department of Biosciences, University of Oslo, Norway	Jun 2015 - Mar 2016
• Coordinated and carried out project investigating genetic diversity of kelp forests in Norway	
• Collected, preserved, and extracted DNA from hundreds of samples of two kelp species	
<b>Community Environmental Health Intern</b> , Mt. Desert Island Biological Laboratory, Maine	Summer 2011
• Managed citizen-science based phytoplankton, water quality, and GIS data collection	
• Developed an independent research project on seagrass growth and restoration	
<b>Plant Research Assistant</b> , Department of Biology, Colorado College	Summer 2010
• Conducted research testing stress tolerance of wild and greenhouse plants in Colorado	
• Resulted in two publications & an independent research poster	

## EDUCATION

<b>University of Oslo</b> , Natural History Museum, Oslo, Norway	2020 - 2025
Ph.D. Faculty of Mathematics and Natural Sciences	
<b>University of Oslo</b> , Department of Biosciences, Oslo, Norway	2013 - 2015
M.Sc. Biology, Centre for Ecological and Evolutionary Synthesis	
<b>Colorado College</b> , Colorado Springs, Colorado, USA	2008 - 2012
B.A., Distinction in Biology, <i>cum laude</i>	

## SUPERVISING & TEACHING EXPERIENCE

<b>Lab Supervisor</b> , Munshi-South Lab, Drexel University, Philadelphia, Norway	2025 – Present
• Trained technicians and undergraduate students with DNA lab protocols	
<b>Workshop Organizer</b> , Research School for Bioinformatics, Norway	2022 – 2023
• Funded and orchestrated Spatial Phylogenetics Workshop for graduate students	
<b>Master Students Supervisor</b> , Norwegian University of Science and Technology, Norway	2020 - 2023
• Mentored Mika Kirkhus & Raffaele Zane with chemical analysis of fungi in collections	
<b>Undergraduate Students Supervisor</b> , Northeastern University, Massachusetts	2016 - 2018
• Supervised daily routines of students in collections work, including independent research projects	
<b>Phylogenetics Teaching Assistant</b> , Department of Biosciences, University of Oslo, Norway	2015, 2021, 2022
<b>Biostatistics Learning Assistant</b> , Quantitative Reasoning Center, Colorado College	2010, 2011

## PUBLICATIONS

- A. Evankow**, J. Howland, J. Lendemer, J. Munshi-South. 2026. Urban Lichens as an Emerging Model for Urban Evolution. *American Journal of Botany* 112(12): e70140. <https://doi.org/10.1002/ajb2.70140>
- J. Munshi-South, **A. Evankow**. 2025. Urban pests traveled with ancient humans: Population genomics reveals the pre-urban origins of a common mosquito. *Science* 390(6771): 335 – 336. <https://doi.org/10.1126/science.aec1986>
- A. Evankow**, S. Leavitt, K. Scharnagl, M. Bendiksby, J. Speed, E. Timdal. (Dissertation: Paper III) Revision of the deceiving lichen genus *Psora* in North America with descriptions of new species and spatial phylogenetic map of the continent. In: *Delimiting Diversity of Lichenized Lecanorales*. Faculty of Mathematics and Natural Sciences, University of Oslo, Oslo, Norway ISSN 1501-7710
- A. Evankow**, A. Yin, R. Zulfiqar, U. F. Ahmad, P. Nordenhaug, A. N. Khalid, L. Wang, E. Timdal. 2025. *Psora mediterranea* (*Lecanorales, Psoraceae*), a new lichen species from Europe, including a new concept for *P. himalayana* and a revised key to the European species. *Mycological Progress* 24(26) <https://doi.org/10.1007/s11557-025-02045-8>
- M. Kirkhus, A. Frisch, **A. Evankow**, R. Blaalid, R. Zane, M. Bendiksby, M. L. Davey. 2025. Diversity of tremellalean *Perusaria*-associated fungi in Norway and the role of secondary metabolites in host specificity. *Fungal Biology* 129(3): 101563 <https://doi.org/10.1016/j.funbio.2025.101563>
- E. Timdal, **A. Evankow**, V. Opedal, M. O. Fjelde. 2024. *Lecania leptoda*, a new species from pollarded *Fraxinus excelsior* in oceanic, old-growth deciduous forests in Norway. *Graphis Scripta* 36(1):1-14.
- K. Klughammer, D. Romanovskaia, A. Nemc, A. Posautz, C. A. Seid, L. C. Schuster, M. C. Keinath, J. Sebastian Lugo Ramos, L. Kosack, **A. Evankow**, D. Printz, S. Kirchberger, B. Erguner, P. Datlinger, N. Fortelny, C. Schmidl, M. Farlik, K. Skjaerven, A. Bergthaler, M. Leidvogel, D. Thaller, P. A. Burger, M. Hermann, M. Distel, D. L. Distel, A. Kubber-Heis, C. Bock. 2023. Comparative analysis of genome-scale, based-resolution DNA methylation profiles across 580 animal species. *Nature Communications* 14(232) <https://www.nature.com/articles/s41467-022-34828-y>
- A. Evankow**, S. Brinker, E. Timdal. 2022. *Rhizoplaca ouimetensis* sp. Nov. (Lecanoraceae) from Ontario, the first sorediate species in the genus. *The Bryologist* 125(4): 513-523 <https://doi.org/10.1002/ece3.9471>
- J. D. M. Speed, **A. Evankow**, T. K. Petersen, P. S. Ranke, N.H. Nilsen, G. Turner, K. Aagaard, T. Bakken, J. G. Davidsen, G. Dunhsea, A. G. Finstad, K. Hassel, M. Husby, K. Hårsaker, J. I. Koksvik, T. Prestø, V. Vange. 2022. A regionally coherent ecological fingerprint of climate change, evidenced from natural history collections. *Ecology and Evolution* <https://doi.org/10.1002/ece3.9471>
- D. M. Grant, O. B. Brodnicke, **A. Evankow**, A. O. Ferreira, J. T. Hansen, A. K. Kappel, M. Jensen, T. E. Kalayci, A. E. Joyce, S. Kiran, S. Prati, A. Reunamo, A. Roberts, R. Shigdel, V. Tyukosova, M. Bendiksby, R. Blaalid, F. Costa, P. Hollingsworth, E. Stur, T. Ekrem. 2021. The Future of DNA Barcoding : Reflections from Early Career Researchers. *Diversity* 13(7) <https://doi.org/10.3390/d13070313>
- D. Opresko, B. Marzia, D. Stein, **A. Evankow**, D. Distel, M. Brugler. 2021. Description of two new genera and two new species of antipatharian corals in the family Aphanipathidae (Cnidaria: Anthozoa: Antipatharia). *Zootaxa* 4966(2): 161-174. <https://doi.org/10.11646/zootaxa.4966.2.4>
- A. Evankow**, H. Christi, K. Hancke, A. K. Brysting, C. Junge, S. Fredriksen, J. Thaulow. 2019. Genetic heterogeneity of two bioeconomically important kelp species along the Norwegian coast. *Conservation Genetics* <https://doi.org/10.1007/s10592-019-01162-8>
- E. Craine, **A. Evankow**, K. Bibee, H. Swedlund, C. Bowen, M. S. Heschel. 2016. Physiological Response of *Tamarix ramosissima* to a biological control agent. *Southwestern Naturalist* 76(3): 339-351 <https://doi.org/10.3398/064.076.0310>
- A. M. Evankow**. 2015. Genetics of Norwegian kelp forests: Microsatellites reveal the genetic diversity, differentiation, and structure of two foundation kelp species in Norway (Dissertation). DUO Research Archive: University of Oslo, Norway. <https://www.duo.uio.no/handle/10852/45583>
- M. S. Heschel, **A. Evankow**, K. B. Wolfson, J. E. Carlson, and K. E. Holsinger. 2014. Drought Response Diversification in African *Protea* Species, *International Journal of Plant Sciences* 175(4): 442-449. <https://doi.org/10.1086/675573>
- A. Evankow**. 2012. Roots, Rhizomes and Restoration: Growth and Biomass Allocation of Transplanted *Zostera marina* in Frenchman Bay, Maine (Dissertation). Colorado College, Colorado Springs, CO

## AWARDS AND GRANTS

<b>UiO: Energy &amp; Environment Seed Funding</b> , 200 000 NOK, University of Oslo	2024
<b>Peder Sather Grant</b> , \$20 000, University of California, Berkeley	2021
<b>Nansen Fund</b> , 50 000 NOK, UNIFOR, Norway	2021
<b>Best questions</b> , 1 000 NOK, ForBio Research School for Biosystematics Annual Meeting, Norway	2020
<b>Best Poster Prize</b> , 200 Euros, EMBS, Marine Biological Association & MARS network	2015
<b>Systematics Research Fund</b> , Systematics Association & Linnean Society of London, UK	2014
<b>Nansen Fund</b> , 50 000 NOK, UNIFOR, Norway	2014
<b>Biology Dept. Conservation Award</b> , Colorado College	2012
<b>Transitions Fellowship</b> , Colorado College	2012
<b>Venture Grant</b> , Colorado College	2012
<b>Service Leadership Scholarship</b> , Colorado College	2011
<b>Women's Educational Society Scholarship</b> , Colorado College	2008

## POSTERS & PRESENTATIONS

<b>Talk &amp; Poster</b> , International Mycological Congress, The Netherlands	Aug 2024
<b>Invited Talk</b> , Kenyatta University, Nairobi, Kenya	Jun 2024
<b>Women in STEM Panel</b> , First Joint International Scientific Congress, Kenya	Jun 2024
<b>Talk</b> , Society for the Preservation of Natural History Collections, CA	Jun 2023
<b>Talk &amp; Workshop</b> , Northwest Lichenologists & California Lichen Society Meeting, CA	Mar 2022
<b>Lightning Talk</b> , BIOSCAN-NOReDNA Conference, Trondheim, Norway	Oct 2022
<b>Talk &amp; Workshop</b> , International Association of Lichenology, 9 <sup>th</sup> International Congress, Brazil	Aug 2021
<b>Lightning Talk</b> , ForBio Research School for Biosystematics Annual Meeting, Norway	Dec 2020, 2021
<b>Phenology Talk</b> , New England Wildflower Society, Concord, NH	Mar 2019
<b>DNA Today Talk</b> , Gorham Public Library, Gorham, NH	Nov 2018
<b>Ocean Sciences Meeting Poster</b> , Portland, OR	Feb 2018
<b>Regional Aquatics Workshop</b> , New England Aquarium, Boston, MA	May 2017
<b>Global Genome Biodiversity Network Regional Meeting</b> , Washington D.C.	Apr 2017
<b>Centre for Ecological and Evolutionary Synthesis</b> , University of Oslo, Norway	Mar 2017
<b>European Marine Biology Symposium Poster</b> , Helgoland, Germany	Sep 2015
<b>Biology Day Talk</b> , Colorado College, Colorado Springs, CO	Apr 2012
<b>Midstates Math and Science Consortium Undergrad. Poster</b> , Washington U., MO	Oct 2011
<b>MDI Biological Laboratory Symposia Talk</b> , Bar Harbor, ME	July 2011
<b>Col. Springs Undergrad. Research Forum, Poster &amp; Talk</b> Colorado Springs, CO	Apr 2011, 2012

## SERVICE & OUTREACH

<b>Lichen Walk Co-Leader</b> , Philadelphia Mycology Club, Philadelphia, USA	Dec 2025
<b>Excursion/Annual Meeting Organizer</b> , Nordic Lichen Society, Denmark & Finland	Oct 2023, 2025
<b>Conference Chair</b> , International Association of Lichenology, 9 <sup>th</sup> International Congress, Brazil	Aug 2021
• Chaired lightning session during virtual conference with international audience	
<b>Conference Chair</b> , ForBio Research School for Biosystematics Annual Meeting, Norway	Dec 2020
• Chaired lightning session during virtual conference with international audience	
<b>Plant Conservation Volunteer</b> , New England Wildflower Society, Massachusetts, USA	Mar 2019 - Present
• Helped monitor and collect seeds from rare plant species in NH and Maine	
<b>Popular Science Article</b> , Massachusetts Marine Educators, Massachusetts, USA	2017
• “The Hidden Life of Seaweed” in quarterly journal <i>FLOTSAM &amp; JETSAM</i>	
<b>Biodiversity Field Expert</b> , Boston Harbor Islands National and State Park, Boston, Massachusetts, USA	Sep 2016
• Identified species with citizen scientists for biodiversity celebration	
<b>School Program Coordinator/Shark Genetics Technician</b> , Drøbak Aquarium, Drøbak, Norway	2013 - 2014
• Developed and instructed seaweed and marine animals exploration activity with students	
• Investigated parentage of small spotted catsharks with DNA using microsatellite data	
<b>Conference Staff</b> , Nordic Marine Science Conference, Asker, Norway	Oct 2013
• Assisted Norske Havforskernes Forening with talk logistics	
<b>Conference Staff</b> , European Marine Biology Symposium, Arendal, Norway	Sep 2012
• Assisted Flødevigan staff with participant registration and presentation management	
<b>Science Outreach Co-Chair</b> , COOL Science/Girl’s Day in the Lab, Colorado College, USA	2010 - 2012
• Developed engaging, hands-on science activities for kids and families	

## SKILLS AND CERTIFICATIONS

**Laboratory techniques:** DNA Extraction & PCR, Next-Gen Sequencing Library Prep, Phylogenetic Analysis, Scanning Electron Microscopy, Herbarium Preparation, Thin Layer Chromatography (TLC)  
**Software:** R, Geneious, Filemaker Pro, Arlequin, GenePop, Structure, ArcGIS, QGIS, Python  
**Other:** Wilderness First Responder, (2016 - 2025), U.S. Driver's License, (2006 - present)

## FIELD WORK/COURSES

<b>Adirondacks, New York</b> , Tuckerman-Crum Workshop at ESF Newcomb Campus, NY	Oct 2025
<b>Turku, Finland</b> , Nordic Lichen Society Excursion (co-organizer)	Oct 2025
<b>Taita Hills, Kenya</b> , Plant Systematics Field Course (co-instructor)	May – Jun 2024
<b>Kibale National Park, Uganda</b> , Plant Conservation Course	Oct 2023
<b>Jutland, Denmark</b> , Nordic Lichen Society Excursion (co-organizer)	Oct 2023
<b>Lapland, Sweden</b> , Field Course and Swedish Lichenologist Society field excursion	Jul 2023
<b>New Caledonia</b> , Tropical lichen collections field work (co-organizer)	Nov – Dec 2022
<b>Texas, California, Utah, Idaho, USA</b> , Field collections for PhD research	Spring 2022
<b>Norway</b> , annual Norwegian Lichen Society excursions in diverse places	2020 – 2025

## PROFESSIONAL MEMBERSHIPS

<b>New Jersey Mycological Association</b> , member	Present
<b>Philadelphia Mycology Club</b> , lichen walk leader	Present
<b>Society for the Preservation of Natural History Collections</b> , member	Present
<b>Nordic Lichen Society</b> , Representative for Norway	Present
<b>ForBio Research School for Biosystematics</b> , student & workshop organizer	Present
<b>British Lichen Society</b> , member	Present
<b>Norwegian Lichen Society</b> (Norsk Lavforening), former board member, current member	Present
<b>California Lichen Society</b> , member	Present
<b>International Association of Lichenology</b> , member	Present

## PEER REVIEW

*Nordic Journal of Botany, Journal of Applied Phycology, Ecologie Mediterranea, Castanea*