Darlene F. Cavalier

Academic Curriculum Vitae

Professor of Practice, School for the Future of Innovation in Society
Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory
Consortium for Science, Policy and Outcomes, Arizona State University
Founder, SciStarter | Founder, Science Cheerleaders
Email: darcav1@gmail.com

A. Professional Preparation

Temple University, Philadelphia, PA
B.S., Mass Communications, 1991

University of Pennsylvania, Philadelphia, PA
M.L.A., 2005

B. Appointments

Academic & Research Appointments
- 2024–2028 – Honorary Fellow, University of Southern Denmark, Department of Mathematics and Computer Science
- 2014–Present – Professor of Practice, Arizona State University
- 2014–Present – Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory and ASU Consortium for Science, Policy, & Outcomes
- 2010–Present – Founder, SciStarter
- 2010–Present – Co-Founder, Expert and Citizen Assessment of Science and Technology (ECAST)
- 2008–Present – Founder, Science Cheerleaders

Advisory & Leadership Roles
- 2025–2027 – Science Advisory Board, NOAA
- 2018–Present – Advisor & Fellow, National Geographic
- 2015–Present – Advisor, Federal Community of Practice: Citizen Science and Crowdsourcing
- 2014–2020 – Advisory Board, NSF SciGirls (Twin Cities PBS)
- 2017–2019 – Committee Member, National Academies: Designing Citizen Science to Enhance Science Learning
- 2016–2019 – Member, EPA National Advisory Council for Environmental Policy and Technology

- 2015–2019 – Chair, American Institute of Physics New Media Science Communication Award
- 2015–2018 – Founding Board Member, Citizen Science Association
- 2016–2017 – Advisor, PBS "Crowd and the Cloud"
- 2002–2017 – Senior Advisor, Kalmbach Publishing
- 1994–2002 – Executive Director, Global Business Development, Walt Disney Publishing Worldwide

C. Sponsored Research & Grants (Selected)

- National Science Foundation (NSF) #1906998 – The Circuit (co-PI), $2.9M (2019–2025)
- Institute for Museum and Library Services (IMLS) LG-254823-OLS-23 – Citizen Science Ambassadors, $249,425 (2023–2025)
- Gordon and Betty Moore Foundation G11328-300 – Libraries as Community Hubs 4.0, $329,089 (2023–2025)
- IMLS LG-246428-OLS-20 – Scaling Libraries as Hubs, $481,377 (2020–2024)
- Moore Foundation – Scaling Citizen Science in Libraries, $600,000 (2020–2024)
- NASA – Expanding Citizen Science via GLOBE, $65,000 (2019–2024)
- National Institutes of Health(NIH) /National Library of Medicine via UCLA – Citizen Science Month, $270,000 (2020–2021)
- NIH/National Network of Libraries of Medicine – Citizen Science Training Modules, $79,000 (2021)
- Schmidt Futures Foundation – Making Citizen Science Tools Accessible, $180,000 (2017–2019)
- NSF #1845241 – SciStarter Tools Workshop, $74,990 (2019)
- NIH/NLM – Citizen Science Day in Libraries, $72,314 (2019)
- NOAA – Citizen Science, Civics, and Resilient Communities (Subawardee), $94,941 (2018–2021)
- NASA/Citizen Science Association – CitSciCon (Subawardee), $31,000 (2021)
- IMLS – Libraries as Community Hubs, $449,983 (2017–2020)

D. Peer-Reviewed Journal Articles (Selected)

1. Kragh, G., Gijsel, L., Luís, C., Sforzi, A., Duerinckx, A., Heigl, F., Tiago, P., Goldin, J., Cavalier, D., Dörle, D. (2024). Criteria for citizen science; a source of community empowerment or a barrier? *Conference Paper.* https://doi.org/10.3897/ap.e126765
2. Futch, S. E., Cavalier, D., et al. (2024). Exploring Project Connections Across the Citizen Science Landscape. *SAGE Open.*
3. Smith, H. E., Cooper, C. B., Busch, K.C., Harper, S., Muslim, A., McKenna, K., & Cavalier, D. (2023). Facilitator Organizations Enhance Learning and Action Through Citizen Science: A Case Study of Girl Scouts' Think Like a Citizen Scientist Journey on SciStarter. *Environmental Education Research.*

4. Drill, S., Rosenblatt, C., Cooper, C., Cavalier, D., Ballard, H. (2022). The Effect of the COVID-19 Pandemic and Associated Restrictions on Participation in Community and Citizen Science. *Citizen Science: Theory and Practice, 7(1).* https://doi.org/10.5334/cstp.463

5. Sittenfeld, D., Farooque, M., Helmuth, B., Benson, S., Hostetler, E., Choi, F., Weller, N., Nickerson, C., Todd, K., Cavalier, D. (2022). Citizen Science, Civics, and Resilient Communities: Informing Community Resilience Policies Through Local Knowledge, Community Values, and Community-Generated Data. *Citizen Science: Theory and Practice.*

6. Futch, S., Larson, L., Cooper, C., Cutts, B., Allf, B., Sharova, M., Cavalier, D., Davis, C. (2022). Exploring Connections Among Projects Across the Citizen Science Landscape: A Social Network Analysis. *PeerJ.*

7. Allf, B., Cooper, C., Larson, L., Dunn, R., Futch, S., Sharova, M., Cavalier, D. (2022). Citizen Science as an Ecosystem of Engagement: Implications for Learning and Broadening Participation. *BioScience, 72(7), 651–663.*

8. Cooper, C. B., Hawn, C. L., Larson, L. R., Parrish, J. K., Bowser, G., Cavalier, D., et al. (2021). Inclusion in Citizen Science: The Conundrum of Rebranding. *Science, 372(6549), 1386–1388.*

9. Neches, R. Y., Coil, D. A., Lang, J. M., Jospin, G., Brown, W. E., Cavalier, D., et al. (2020). Bacterial Communities on Phones and Shoes. *PeerJ, 8:e9235.* https://doi.org/10.7717/peerj.9235

10. Parrish, J. K., Jones, T., Burgess, H. K., He, Y., Fortson, L., Cavalier, D. (2019). Hoping for Optimality or Designing for Inclusion: Persistence, Learning, and the Social Network of Citizen Science. *PNAS, 116(6), 1894–1901.*

11. Auerbach, J., Barthelmess, E. L., Cavalier, D., Cooper, C. B., Fenyk, H., Haklay, M., et al. (2019). The Problem with Delineating Narrow Criteria for Citizen Science. *Citizen Science: Theory and Practice.*

12. Ignat, T., Cavalier, D., & Nickerson, C. (2019). Citizen Science and Libraries: Waltzing Towards a Collaboration. *Communications of the Association of Austrian Librarians, 72(2).* https://doi.org/10.31263/voebm.v72i2.3047

E. Presentations and Contributions (Selected)

- 2025 – Association for the Advancement of Participatory Sciences: Libraries as Community Hubs (workshop/invited talk)
- 2022 – American Association for the Advancement of Science : Citizen Science Resources; Designing for Learning (invited talk)
- 2022 – Citizen Science Association Conference: Libraries as Community Hubs (invited talk)
- 2021 – Arizona State University, Consortium for Science, Policy, & Outcomes: Rethinking Science, Policy: Operationalizing Public Participation in Federal Science & Technology Policy, Washington, D.C. (invited talk)
- 2020 – AAAS: Designing Citizen Science to Enhance Science Learning (panel)

- 2020 – NSF STEM for All Video Showcase: Citizen Science for All
- 2018 – National Academies Contributor: Learning Through Citizen Science (coauthor)

F. Other Significant Contributions (recent/selected)

Awards and Honors
- 2024 – Pop Warner Youth Scholars Inspiration Award
- 2024 – Wagner Institute of Science Annual Award
- 2022 – Arizona State University President's Medal for Social Embeddedness

Interviewed by /featured in Discover Magazine, National Geographic/Disney, CNN, ABC World News Tonight, and many other regional, national and international media outlets.

Professional and Community Engagement
- Developed citizen science platforms and metadata infrastructure (e.g., SciStarter, ScienceNearMe)
- Designed initiatives with Verizon, 4-H, Girl Scouts, Osher, and libraries
- Frequent keynote and invited speaker at AAAS, APLU, Online Learning Consortium, and international events
- Served on CSA's Data and Metadata Working Group
- Authored three books (one in progress) published by Arizona State University, Hachette/Timber Press, and Harvard Education Press.