

2. **Foxx A.J.**, Franco Melendez K.P, Hariharan J., K., Kozik A., Wattenburger C., Godoy-Vitorino F., & Rivers A.R. (2021) Advancing Equity and Inclusion in Microbiome Sciences. *mSystems*; 5(5): e01151-21. <https://doi.org/10.1128/mSystems.01151-21>
3. **Foxx A.J.**, Wojcik S.* (2021) Plasticity in response to soil texture affects the relationships between a shoot and root trait and responses vary by population. *Folia Oecologica*; 48(2): 199-204. <https://doi.org/10.2478/foecol-2021-0020>

2. **Foxx A.J.**, Rivers A.R. Comparing batch effects correction methods implemented in R on microbiome community profiles. *In prep.*
3. **Foxx A.J.**, Rivers A.R. Metascience of the microbiome: synthesizing meta-analyses on microbial communities reveals the need to account for study variability. *In prep.*
4. **Foxx A.J.** & Adeniran A. Overcoming challenges of virtual conferences to continue to reap inclusion benefits after the COVID-19 pandemic. *In prep.*
5. **Foxx A.J.** Invasive exposure leads to more plastic root allocation in native plants. *In prep.*

PROFESSIONAL EXPERIENCE

- | | |
|------------------------|---|
| Nov 2021 | Co-moderator of Scientific Computing Initiative (SCINet) and AI Center of Excellence 2021 Fellows conference. |
| Nov 2020 -
Feb 2021 | Contributions to proposal ideas and writing, with participation as a research scientist pending funding. BII: New Roots for Restoration: integrating plant traits, communities, and the soil ecosphere to advance restoration of natural and agricultural systems.” PI: Allison Miller; Co-PIs: Kay Havens (Chicago Botanic Garden); Sarah Lovell (University of Missouri); Jim Bever (University of Kansas); Kris Callis-Duehl (Danforth Plant Science Center). National Science Foundation Biology Integration Institute. \$12,500,000. Awarded August, 2021. |
| Feb 2017 | Science policy advocacy for increased funding for plant restoration research to Legislative directors and assistants of Colorado Senators and Representatives. Washington, D.C. |
| Feb 2017 | Session moderator at the National Native Seed Conference; Washington, DC |
| Nov 2016 | Science policy advocacy for funding to Cook County Commissioners during Forest Preserve Budget hearing to increase funding for the Chicago Botanic Garden. |
| 2014 - 2016 | ComSciCon Chicago conferences inaugural and year two organizing committee, executing fundraising and performed and event responsibilities, Chicago, IL. |
| Jun 2013 –
Aug 2019 | Graduate Housing Assistant, Northwestern University; Live-in position where I organized and hosted 175 events to build community and serve as a student liaison for graduate students. |

GRANTS

- | | |
|-----------|---|
| Sept 2021 | BII: New Roots for Restoration: integrating plant traits, communities, and the soil ecosphere to advance restoration of natural and agricultural systems.” PI: Allison Miller; Co |
|-----------|---|

- 2021 Variation accounting methods in metagenomic and amplicon meta-analyses. Foxx, A & Rivers, A. Scientific Computing Initiative and AI center of Excellence fellows conference
- 2018 Exploring the role of plastic responses in competitive intensity and coexistence. Foxx, A, Allen, B, & Kramer, A. Ecological Society of America
- 2018 Impact of plasticity on competition and coexistence. Foxx, A, Allen, B, & Kramer, A. Chicago Botanic Garden
- 2017 Competitive intensity among and between seedlings: what do the roots tell? Foxx, A. National Native Seed Conference
- 2017 Rooting Intraspecific variation and plasticity in coexistence. Foxx, A. Chicago

Jun - Sept 2017 NSF REU mentor: Brooke Allen

Apr - May 2016 Mentor Matching Engine mentor with data interpretation: Breanna Giametta

Feb - May 2016 Mentor Matching Engine mentor: Elise Miedlar

Nov - Dec 2015 Lake Forest College Internship mentor: Siobhan Wojcik

Jun - Aug 2015 Y.O.U. Summer Science Club mentor of children, 2.5 hours per week

Apr - Jun 2015 Science Club mentor with grade school children, 2.5 hrs/wk

Jun - Sept 2014 NSF REU mentor: Giselle Varrientos

Jun - Sept 2014 NSF REU co-mentor with data analysis and interpretation: Lisa Hintz

Nov - Dec 2013 Lake Forest College Internship mentor: Osja Brinson

Jul 2013 & 2014 Mentor to grade school student on root trait measurements: Grace Guarraia

TEACHING EXPERIENCES

Mar 2022 Data Carpentry support staff – R and data management

Apr 2021 Data Carpentry support staff – R and data management

Jan - Apr 2019 Quantitative Methods in Ecology and Conservation. Teaching Assistant Northwestern University. *Responsibilities:* Graded homework, in-class assistant, held office hours. Instruction using R statistical software.

Mar - Jun 2017 Evolutionary Processes. Teaching Assistant, Northwestern University. *Responsibilities:* Graded quizzes and tests, in-class assistant, held office hours.

Apr - Jun 2016 Evolutionary Processes. Teaching Assistant, Northwestern University. *Responsibilities:* Graded quizzes and tests, in-class assistant, held office hours.

Jan - Apr 2013 Health of the Biosphere, Teaching Assistant, Northwestern University. *Responsibilities:* Graded quizzes and tests, in-class assistant, held office hours.

Jul 2010 & 2012 Math and Science Summer Academy, High school student tutor & lab assistant Elmhurst College, 140 contact hours (2 weeks).

