

MAKENZIE KOHLER

kohlmake@isu.edu

(208) 329-9449

Education

Texas A&M University

Expected Graduation Date: May 2023

Master of Science, Science and Technology Journalism

Current GPA: 4.0

Idaho State University

Bachelor of Science, Biomedical Sciences

Minor: Psychology

Honors Distinction

TRIO McNair Scholar

Communications Experience

Digital Media Strategist. Science Influencers, Texas A&M Agrilife (September 2021 - Present).

Graduate Teaching Assistant. Veterinary Integrative Biosciences, College of Veterinary Medicine and Biomedical Science, Texas A&M University (May 2021 - Present).

- VIBS 310 - Biomedical Writing
- VIBS 311 - Biomedical Narrative

Career Path Internship. Student Journalist, Biology Department, Idaho State University (2020 - 2021), Mentor: Dr. Rhesa Ledbetter

Publications

Kohler, M. (2021), "Stories Behind the Science: Janita Aamir", ISU News, [Online] May 20, 2021. <https://www.isu.edu/news/2021-spring/stories-behind-the-science-janita-aamir.html>

Kohler, M. (2021), "Stories Behind the Science: The Depth of Community", ISU News [Online] April 14, 2021. <https://www.isu.edu/news/2021-spring/stories-behind-the-science-the-depth-of-community.html>

Kohler, M. (2021), "Stories Behind the Science: Unexpected Opportunities", ISU News, [Online] March 23, 2022. <https://www.isu.edu/news/2021-spring/stories-behind-the-science-unexpected-opportunities.html>

Kohler, M. (2021), "Stories Behind the Science: Leaving the Fear Behind to Pursue Greatness", ISU News, [Online] March 4, 2021. <https://isu.edu/news/2021-spring/stories-behind-the-science-leaving-the-fear-behind-to-pursue-greatness.html>

Kohler, M. (2021), "Stories Behind the Science: Breaking Barriers", ISU News, [Online] January 21, 2021. <https://isu.edu/news/2021-spring/stories-behind-the-science-breaking-barriers.html>

Awards and Honors

Study Abroad Student. Umeå University, Sweden. (Spring 2020)

University Honors Program, Idaho State University. (Fall 2017 - Spring 2021)

TRIO McNair Scholars Program. (Fall 2019 - Spring 2021)

Best Undergraduate Poster Award. Annual Southeast Idaho Psi Chi Research Conference. Idaho State University (2019)

Research Experience

Developmental Behavioral Neuroscience Lab, Idaho State University. Mentor: Dr. Michele R. Brumley. (Fall 2018 – Present)

- Experience conducting behavioral experiments in rats, behavioral coding, basic rat husbandry (i.e., feeding, watering, breeding), rat vaginal cytology, microdissections, drug injections, surgical assistance, post-operative surgical care, literature searches, poster presentation preparation, and project management. CITI trained.
- Projects include:
 - *The development of spontaneous locomotion in pre-weanling rats, and relation to tendon development.* Role: Project point person
 - *The effects of opioids and spinal cord injury on development of spontaneous locomotion and reflexes.* Role: Project assistant
 - *Epigenetic change as a mechanism of plasticity in the developing spinal cord.* Role: Project assistant

TRIO McNair Summer Research Institute, Mentor: Dr. Michele R. Brumley (Summer 2020; \$2800 summer stipend), *The development of spontaneous locomotion in pre-weanling rats, and relation to tendon development*

NIH IDeA Network of Biomedical Research Excellence (INBRE) Summer Research Fellowship, Mentor: Dr. Michele R. Brumley (Summer 2019; \$6000 summer stipend), *The development of spontaneous locomotion in pre-weanling rats, and relation to tendon development*

Career Path Internship. Developmental Behavioral Neuroscience Lab, Idaho State University (2018 - 2019), Mentor: Dr. Michele R. Brumley

Research Posters

Kohler, M., Bozeman, A.L., Martes, A.C., Brumley, M.R. (2021, March). Spontaneous weight-bearing locomotion in preweanling male and female rats. University of Maryland McNair Scholars and Undergraduate Research Conference. Virtual.

Bozeman, A. L., Martes, A. C., **Kohler, M.,** Kennell, B. C., Brumley, M. R. (2019, October). Neonatal Buprenorphine exposure and spinal cord injury: I. developmental effect on spontaneous locomotion and growth parameters. Poster. International Society for Developmental Psychobiology Annual Conference. Chicago, IL.

Kohler, M., Bozeman, A.L., Martes, A.C., Brumley, M.R. (2019, August). The development of weight-bearing locomotion in preweanling rats. NIH Idaho Idea Network of Biomedical Research Excellence Conference. Moscow, ID.

Kohler, M., Bozeman, A. L., Doherty, T. S., Roth, T. R., Brumley M. R. (2019, January). Epigenetic change as a mechanism of plasticity in the developing spinal cord. Poster. Idaho State University Psi Chi Conference. Pocatello, ID.

Leadership and Service

Undergraduate Teaching Assistant, Lab Instructor – Biology 1101 (Fall 2020)
Teach one section of Biology 1101 (Biology 1) lab once a week to two rotations of students (total 21). Create weekly lesson plans, attend weekly instructor meetings, prepare lectures, and grade assignments while maintaining the flexibility of remote and in-person learning spaces.

University Honors Program Mentor (Spring 2018 – Present)
Included leadership training to effectively lead students. Attend training and events held by the University Honors Program. Assist students (approx. 8 per Fall semester) in transition from high school to college.

University Honors Program Envoy (Spring 2019)
Co-coordinated the University Honors Program's main fundraiser. Helped collect donations. In charge of organization and execution of fundraisers for honors.

Student Affairs Advisory Board Member (Fall 2019)

Represent the student voice on campus. Meet once a month to discuss successes and concerns, as well as suggestions for how to improve Idaho State University's student affairs with Dr. Lyn Redington, Vice President of Student Affairs and other executive leadership on campus.

New Student Orientation Leader (Fall 2019)

Attended leadership and diversity training. Assisted new incoming students (approx. 50-100 per day) transition to Idaho State University, answer questions, model ISU traditions, provide access to resources.

Idaho State Women's Rugby Club President (Spring 2018 - Spring 2019)

Coordinated with Club Directors and scheduled games with other universities. Scheduled practices and developed fundraising activities to keep participation costs low for students involved.

Work Experience

Job Coach/Residential Habilitation - Community Connections Inc. Pocatello, ID
(November 2018 - July 2019)

Worked with patients with a wide range of cognitive disabilities at home and in the workplace.

Assisted participants in developing skills to improve independent functioning and autonomy.

Have worked with disabilities such as severe autism, Downs syndrome, schizophrenia, and other disorders.