SHENGHONG WANG

Mobile: 775-300-8865
Email: shenghongwang@nevada.unr.edu
Google Scholar Profile: https://scholar.google.com/citations?user=3weZK8sAAAAJhl=en
GitHub: https://github.com/Shenghong1997

HIGHER EDUCATION

Doctor of Philosophy (Ph.D.) in Environmental Sciences & Health — Sep. 2020 – May 2024 (expected)
University of Nevada, Reno — Reno, NV

Bachelor of Science (B.Sc.) in Environmental Physic — Sept. 2015 – May 2019
University of Toronto, Scarborough — Toronto, ON

PROFESSIONAL EXPERIENCE

University of Nevada, Reno — Reno, NV
Research Assistant — Jan. 2021 – Current

- Develop in-silicon models using Python to predict the absorption potential of chemicals
- Develop and apply Physiologically Based Toxicokinetic (PBTK) Modeling

University of Nevada, Reno — Reno, NV
Teaching Assistant — Jan. 2021 – Sep. 2022

- lead, provide individual assistance to students, prepare and set up class materials, and proctor exams.

PUBLICATION

Publications in Peer-reviewed Academic Journals

- Wang, S., Zhang, Z., Li, D., Illa, S. E., Li, L. (2022). In silico model-based exploration of the applicability of parallel artificial membrane permeability assay (PAMPA) to screen chemicals of environmental concern. *Environ Int*, 170, 107589.
- Li, L., Zhang, Z., Men, Y., Baskaran, S., Sangion, A., Wang, S., Arnot, J., Wania, F. (2022) Retrieval, selection, and evaluation of chemical property data. *ACS Environmental Au*, 2, 30-39
- Zhang, Z., Wang, S., Li, L. (2021). Emerging investigator series: the role of chemical properties in human exposure to environmental chemicals. *Environmental Science: Processes & Impacts*

Presentations at Seminars and Conferences

- Wang, S., Li, L., Fang, M., Zhang, Z., Li, D. In-Silico Model-based Exploration of the Importance of Gut Metabolism in Human Exposure and Toxicokinetic Modeling. Society of Toxicology 62st Annual Meeting and ToxExpo. Nashville, TN. Mar. 19–23, 2023 (Poster presentation)
- Wang, S., Li, L., Zhang, Z., Li, D. In-silico PAMPA Model: Considerations for Applying PAMPA to Environmental Chemicals. Society of Toxicology 62st Annual Meeting and ToxExpo. Nashville, TN. Mar. 19–23, 2023 (Poster presentation)
- Wang, S., Li, L., Fang, M., Zhang, Z., Li, D. In-Silico Model-based Exploration of the Importance of Gut Metabolism in Human Exposure and Toxicokinetic Modeling. Society of Environmental Toxicology and Chemistry 43rd North American Annual Meeting. Nov. 13–17, 2022 (Platform presentation)
- Wang, S., Li, L., Zhang, Z., Li, D. In-silico PAMPA Model: Considerations for Applying PAMPA to Environmental Chemicals .Nov. 13–17, 2022 (Poster presentation)
- Wang, S., Li, L., Zhang, Z., Li, D. In-silico PAMPA Model: Considerations for Applying PAMPA to Environmental Chemicals. Society of Environmental Toxicology and Chemistry 42nd North American Annual Meeting. (Online). Nov. 14–18, 2021 (Platform presentation)
- Wang, S., Li, L., Zhang, Z., Li, D. In-silico PAMPA Model: Considerations for Applying PAMPA to Environmental Chemicals. Society of Toxicology 61st Annual Meeting and ToxExpo. San Diego. CA, United States. Mar. 27–31, 2022 (Poster presentation)
- Wang, S., Li, L., Zhang, Z., Li, D. In-silico PAMPA Model: Considerations for Applying PAMPA to Environmental Chemicals. Society of Environmental Toxicology and Chemistry 32nd Europe Annual Meeting. (Online). May. 15–19, 2021 (Poster Presentation)

Honors, Scholarships and Awards

Honors

- Being featured on the cover page of Environmental Science: Processes Impacts (ESPI), Zhang, Z., Wang, S., Li, L. (2021). Emerging investigator series: the role of chemical properties in human exposure to environmental chemicals. *Environmental Science: Processes & Impacts*

Scholarships

- Having a full scholarship for my Ph.D. program

Awards

- University of Nevada, Reno, GSA Travel Award
- University of Nevada, Reno, School of Public Health Student Development Award
- Society of Toxicology Biological Modeling Speciality Section, Best Trainee Abstract finalist

Training

SOT Continuing Education 2023

- A Training on the OECD Guidance for Characterizing, Validating, and Reporting Physiologically Based Kinetic Models

Teaching

Teaching Assistant

- CHS436.636 Environmental Exposure Sciences. Combined undergraduate & graduate course (3 credits)

Research Support

U.S. Environmental Protection Agency Pending

- Submitted Proposal: Understanding and predicting disparities in organic contaminant levels in blood among the U.S. population to the U.S. EPA People, Prosperity and the Planet (P3) Student Design Competition

U.S. Environmental Protection Agency 2020-2023

- My current work is funded by: Funding Opportunity Number: EPA-G2019-STAR-D1

Academic Service

Ad Hoc Journal Referee

- Reviewer for Environmental Health Perspective

Professional Affiliations / Memberships

- Member of Society of Environmental Toxicology and Chemistry (SETAC)

Skills

Computer: Proficient in Microsoft Office, Python, R, and HTTK: EPA's Tool for High-Throughput Toxicokinetics