

Qiran Chen

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EDUCATION

PhD in Environmental Health
Indiana University

Aug. 2015-Aug.2020
Bloomington, IN

Master of Public Health in Epidemiology
Indiana University

Aug. 2012-May 2014
Bloomington, IN

Bachelor of Science in Biological Science
Nankai University

Aug. 2008-Jun. 2012
Tianjin, China

HONORS AND AWARDS

- 2020, Andersen-Clewell Trainee Award, Society of Toxicology Annual Meeting, Anaheim, California
- 2020, Dharm V. Singh Carcinogenesis Graduate Student Award Endowment Award, Society of Toxicology Annual Meeting, Anaheim, California
- 2017, the SRA Dose Response Specialty Group Student Merit Award, Society of Risk Analysis 2017 Annual Meeting, Washington, D.C.
- 2016, the SRA Dose Response Specialty Group Student Merit Award, Society of Risk Analysis 2016 Annual Meeting, San Diego, California
- 2016, School of Public Health Student Travel Grant
- 2009, Third Prize in Biochemical Basic Experiment Skill Contest, Nankai University, Tianjin, China
- 2010, Outstanding Student Scholarship, Nankai University, Tianjin, China

PROFESSIONAL EXPERIENCE

Postdoctoral Associate

Department of Environmental and Global Health, University of Florida

May 2021 – Present
Gainesville, FL

- Conducted probabilistic risk assessment on nanoparticles with physiological based pharmacokinetic (PBPK) modeling
- Assessed the human health risk of environmental chemicals using toxicogenomics method
- Applied machine learning and artificial intelligence (AI) methodologies to study the adverse health effects of environmental chemicals

Postdoctoral Fellow

Department of Anatomy and Physiology, Kansas State University

Jan. 2021-May 2021
Manhattan, KS

- Conducted research on toxicogenomic dose-response assessment and PBPK modeling
- Wrote the manuscripts for relevant research

Teaching Assistant

School of Public Health, Indiana University

Oct. 2019-May 2020
Bloomington, IN

- Gave lectures on the topics of environmental stress as a guest speaker
- Observed in-class student performance, and lead the discussions for over 80 students
- Managed and graded the homework and essays

Graduate Research Assistant

Feb. 2014-Dec.2018

- School of Public Health, Indiana University Bloomington, IN
- Completed the paper *The Association of Herb Use with Quality of Life and Survival Rate in Newly Diagnosed Stage II Colon Cancer Patients: A Two-year Follow-up*
- Conducted research on chemical risk assessment, including

Health Intern

Aug. 2014-May 2015

- OASIS, Health Center of Indiana University Bloomington, IN
- Worked with the evaluate captain to identify and develop evaluation tools
- Analyzed the Indiana College Substance Use Survey (ICSUS) data to identify the potential focus groups
- Conducted Literature Review to identify relevant evaluation tools used by other programs and compare the effects.

Research Assistant

May 2013-Aug. 2013

Centers for Disease Control and Prevention (CDC)

Tianjin, China

- Prepared and gave health education lectures on infectious disease to over three hundred people
- Collected and summarized the data from participants in health education lectures
- Carried out literature review for the program *The Acute Impact of Air Pollution on Diabetes in Tianjin*
- Assisted epidemiologists to analyze the data using statistical hypothesis testing and survival analysis and develop the annual risk factors report on chronic diseases

Research Assistant

Jun. 2010- Apr. 2011

Key Laboratory of Bioactive Materials, Nankai University

Tianjin China

- Investigated proper tests for the program *Bio-function Evaluation of Small-diameter Artificial Vessel* and held monthly meetings with team members to summarize the results of experiments and schedule new tasks
- Conducted in vitro experiments to evaluate the biomedical material including cytotoxicity test, inhibition of SMC test and platelet adhesiveness tests, and AV-shunt experiment *in vitro*
- Completed the scientific reports on lab results and presented to the research committee

PUBLICATIONS

1. **Chen, Q.**, Xun, P., Tsinovoi, C. L., Henschel, B., Fly, A. D., & He, K. (2018). Association of herbal/botanic supplement use with quality of life, recurrence, and survival in newly diagnosed stage II colon cancer patients: A 2-y follow-up study. *Nutrition*, 54, 1-6.
2. Shao, K., **Chen, Q.**, & Wang, Z. (2019). Quantifying association between liver tumor incidence and early-stage liver weight increase—An NTP data analysis. *Toxicology reports*, 6, 674-682.

• Conference Proceedings and Abstracts

1. **Chen, Q.**, Shao, K (2020). A Novel Dose-Response Framework with Quantitatively Integrated MOA Information, 59th Annual Society of Toxicology Meeting. Anaheim, CA (2020, March).
 2. **Chen, Q.**, Shao, K (2017). Association between Liver Tumor Incidence and Early-stage Liver Weight Change--An NTP Data Analysis. Proceedings of 2017 Society of Risk Analysis Annual Meeting. Washington, D.C. (2017, December).
- **Chen, Q.**, Shao, K. A Novel Benchmark Dose Estimation Approach for Continuous Endpoints. Proceedings of 2016 Society of Risk Analysis Annual Meeting. San Diego, CA (2016, December).