



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

From Molecules to Populations: Understanding Environmental Health Risks

By

Dr. Wang Yewei

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Date: 6 June 2024 (Thursday)

Time: 09:30 – 10:30

Venue: LMC512
Lui Ming Choi Centre
Ho Sin Hang Campus
Hong Kong Baptist University



環境與生物分析國家重點實驗室
State Key Laboratory of
Environmental and Biological Analysis

Biography



Dr. Yewei Wang received her Ph.D. from Yale University in 2022, under the supervision of Prof. Vasilis Vasiliou in the Department of Environmental Health Sciences. She is currently a postdoctoral fellow at Emory University, working under the supervision of Prof. Carmen Marsit in the Gangarosa Department of Environmental Health.

Dr. Wang has a strong foundation in environmental health, with research interests that include molecular toxicology, cancer research, and maternal and child health. She possesses significant experience with both in vivo and in vitro models, cohort epidemiological research, and high-throughput data analysis. Throughout her career, Dr. Wang has contributed valuable insights into areas such as oxidative stress, DNA damage repair, and the impacts of environmental exposures.

Her accolades include the American College of Toxicology North American Travel Grant and the Yale University Combined Reward. Dr. Wang is a member of several professional societies, including the International Society of Exposure Science committees.

Abstract

Many biological processes are influenced by environmental exposures, leading to various health outcomes. Identifying and understanding the mechanisms behind these exposures are both crucial and challenging. This seminar will cover several recent developments in Dr. Wang's research on the health impacts of environmental exposures, focusing on both molecular and epidemiological findings.

The seminar will focus on the molecular mechanisms by which environmental toxicants impact cellular pathways associated with cancer. Additionally, Dr. Wang will discuss epidemiological studies exploring the relationship between prenatal exposures and subsequent health outcomes.

This seminar aims to provide a comprehensive overview of how environmental factors contribute to disease, drawing on Dr. Wang's extensive research and expertise in both molecular toxicology and epidemiology.