

# Workshop 1 : Air Pollution and Human Health

Organiser: Prof. Xiangdong LI

## Day 1 – Thursday, 6 July 2023

14:00 – 14:30	<p><u>Invited Keynote Talk</u>: Causes for Recent Trend of Air Pollution in China  <i>Prof. Shu TAO</i>  <i>Peking University</i></p>
14:30 – 15:00	<p><u>Invited Keynote Talk</u>: Air Pollution and Daily Mortality: From PAPA to MCC Studies  <i>Prof. Haidong KAN</i>  <i>Fudan University</i></p>
15:00 – 15:20	<p>Identification of Aryl Hydrocarbon Receptor Agonists from Real Environmental Samples Based on Effect-Directed Analysis  <i>Prof. Guangbo QU</i>  <i>Chinese Academy of Sciences</i></p>
15:20 – 15:40	<p>“Smoke Detector” Science for Aerosol Exposure Health Effects  <i>Prof. Maosheng YAO</i>  <i>Peking University</i></p>
15:40 – 16:00	<p>Mixed Metal Components Facilitate PM<sub>2.5</sub> to Induce CCR5-Mediated Neuroinflammation in Mouse Olfactory Bulb  <i>Prof. Daqiang YIN</i>  <i>Tongji University</i></p>
16:00 – 16:15	Coffee break
16:15 – 16:45	<p><u>Invited Keynote Talk</u>: Unravelling the Polyaromatic Continuum in Atmospheric Particles  <i>Prof. Gan ZHANG</i>  <i>Guangzhou Institute of Geochemistry</i></p>
16:45 – 17:05	<p>Unravelling the Black Box between Air Pollution and Public Health for Transformative Air Quality Management  <i>Prof. Xiangdong LI</i>  <i>The Hong Kong Polytechnic University</i></p>
17:05 – 17:25	<p>Gaseous Pollutants and Health: One Wind A Day Keeps the Doctor Away?  <i>Dr Linwei TIAN</i>  <i>The University of Hong Kong</i></p>
17:25 – 17:45	<p>Photochemical Oxidation of Gasoline Vehicle Exhaust – Volatile Organic Compound Emissions and Secondary Organic Aerosol Formation  <i>Prof. Kin Fai HO</i>  <i>The Chinese University of Hong Kong</i></p>
17:45 – 18:05	<p>Quasi-Experimental Methods for Air Pollution-Health Studies  <i>Dr Guojun HE</i>  <i>The University of Hong Kong</i></p>

## Day 2 – Friday, 7 July 2023

09:00 – 09:20	<p>Building Mechanistic Linkages between PM<sub>2.5</sub>-Induced Oxidative Potential and Chemical Composition  <i>Prof. Jianzhen YU</i>  <i>The Hong Kong University of Science and Technology</i></p>
09:20 – 09:40	<p>Cytotoxicity of Fine Particulate Matter in Different Locations in Hong Kong  <i>Prof. Hai GUO</i>  <i>The Hong Kong Polytechnic University</i></p>
09:40 – 10:00	<p>What are Driving the Evolving Toxicity of Particulate Matter Generated from Residential Biomass Burning?  <i>Dr Ling JIN</i>  <i>The Hong Kong Polytechnic University</i></p>
10:00 – 10:20	<p>Chronic Exposure of PM<sub>2.5</sub> Induces Impairment in Mood and Working Memory in Association with Aberrant Adult-Born Neurons in the Hippocampus  <i>Dr Sonata YAU</i>  <i>The Hong Kong Polytechnic University</i></p>
10:20 – 10:40	<p>Modelling COVID-19 Vaccine Breakthrough Infections in Highly Vaccinated Israel  <i>Dr Daihai HE</i>  <i>The Hong Kong Polytechnic University</i></p>
10:40 – 11:00	Coffee break
11:00 – 11:20	<p>Pollutants and Vascular and Metabolic Dysfunction  <i>Prof. Yu HUANG</i>  <i>City University of Hong Kong</i></p>
11:20 – 11:40	<p>Feel the Burn: Mental and Behavioral Responses to Air Pollution in China  <i>Dr Tong LIU</i>  <i>National University of Singapore</i></p>