

October 30th, 2023 START day 1

- 15:00 0:05 **Introductory Comments: Stephanie Cormier, Chair PBC Board of Directors**
- 15:05 0:05 **Welcome to PBRC: John Kirwan**
- 15:10 0:30 **Opening address: US Senator Bill Cassidy: Federal response to COVID**
Session 1: Pandemic planning: Population screening, testing and vaccination
Chair: Peter Sly, Trainee: Ulfi Hida Zainita
- 15:40 0:25 · Presentation 1: Saliva as a screening matrix: strengths and weaknesses. Luan Vu, LSU
- 16:05 0:25 · Presentation 2: Population screening for SARS-CoV-2 in a K-8 charter school to ensure education continuity for dyslexic students. Dr Laura Cassidy, Louisiana Key Academy
- 16:30 0:25 · Presentation 3: A moving target: the impact of SARS-CoV-2 variants on children. Kirsty Short, UQ
- 16:55 0:10 Break
Session 2: Trainee presentations and poster session (to be selected from abstracts)
Chair: Brittany Trottier, Trainee: Anh.T.P.Hoang
- 17:05 0:15 · Oral presentation 1: Protecting pregnant women and newborns from the health effects of extreme heat: a content analysis of heat health action plans on maternal and newborn health perspective. Mrs Yohani Dalugoda, UC
- 17:20 0:15 · Oral presentation 2: Inhalation of particulate matter containing environmentally persistent free radicals induces endothelial dysfunction via AhR activation in the air-blood interface. Mr Ankit Aryal, Louisiana State University
- 17:35 0:15 · Oral presentation 3: Polycyclic aromatic hydrocarbons alter SARS-CoV-2 pathogenesis in a mouse model of COVID-19. Dr Shannon Ronca, Baylor College of Medicine
- 17:50 0:15 · Oral presentation 4: A community-engaged study of toxic particulate matter near an open-burn/open-detonation hazardous waste thermal treatment facility. Miss Chuqi Guo, North Carolina State University
- 18:05 0:15 · Oral presentation 5: Environmentally persistent free radicals in household dust: longitudinal and seasonal trends. Dr Dwan Vilcins, UQ
- 18:20 1:00 Posters Presentation w finger food and beverages
- 18:20 0:05 · Poster Presentation 1: Environmental risk assessment of selected pharmaceuticals in hospital wastewaters of Hanoi, Vietnam. Anh T.P.Hoang
- 18:25 0:04 · Poster Presentation 2: Decreased hearing levels at frequencies for understanding speech in tannery workers exposed to a high level of trivalent chromium in Bangladesh. MM Aeorangajeb Al Hossain
- 18:29 0:04 · Poster Presentation 3: Household Characteristics associated with environmentally persistent free radicals in house dust in two Australian locations. Wen Lee
- 18:33 0:05 · Poster Presentation 4: Surveilling the global circulation of infectious agents via aircraft wastewater. Aaron Bivins
- 18:38 0:04 · Poster Presentation 5: Changes in soil microbiome and environmentally persistent free radicals (EPFRS) near a hazardous waste thermal treatment site. Fan Zhang
- 18:42 0:04 · Poster Presentation 6: Exposure to endocrine-disrupting plasticisers and lung function in children and adolescents: A systematic review and meta-analysis. Thomas Boissiere-O'Neil
- 18:46 0:04 · Poster Presentation 7: Effect of halogenated aromatic precursors on EPFR formation on transition metal oxides. Syed Monjur Ahmed
- 18:50 0:05 · Poster Presentation 8: Long-term stability of Orthobunyaviruses in sera and whole blood at relevant temperature profiles. Erik Turner
- 18:55 0:04 · Poster Presentation 9: EPFR toxicity studied using Zn-loaded montmorillonite clay systems. Myron Lard
- 18:59 0:04 · Poster Presentation 10: Environmentally persistent free radical (EPFR) production on ZnO and the effects of solar-simulated light exposure. Fox Foley
- 19:03 0:05 · Poster Presentation 11: Evaluation of T-Vant, a novel outer membrane adjuvant, in a mucosal SARS-COV-2 subunit vaccine. Allyson Hirsch
- 19:08 0:04 · Poster Presentation 12: Inhalation of particulate matter containing environmentally persistent free radicals induces endothelial dysfunction via AhR activation in the air-blood interface. Ankit Aryal
- 19:12 0:04 · Poster Presentation 13: Calibration of low-cost particulate matter sensors purpleair: Model development for air quality under high relative humidity conditions. Martine Mathieu-Campbel
- 19:16 0:04 · Poster Presentation 14: Spike protein vaccine triggers systemic TH2 and TH17 inflammatory responses and pulmonary immunopathology following SARS-COV-2 breakthrough infection. Tianyi Zhang
- 19:20 0:05 · Poster Presentation 15: Effects of Covid-19 and its influence in technological upgradation and practices in promotion of environmental protection and occupational health. Sengoda Gounder Rajamani
- 19:25 Adjourn

October 31th, 2023 START day 2

- 9:00 3:00 Networking Session and/ Water center tour
- 12:00 1:00 Lunch Break
- 13:00 2:00 Research mentoring relationships
Return to hotel for email and change of clothing
- Session 3: Pandemic planning: impact of pollution on disease risk during a pandemic**
Chair: Stephanie Cormier, Trainee: Md Jiaur Rahman
- 15:00 0:25 · Presentation 1: Mechanisms by which air pollution increases susceptibility to pandemic respiratory viruses. Peter Sly, UQ
- 15:25 0:25 · Presentation 2: Impact of pollution on disease risk during a pandemic. Akeem Ali, Head of Office; WHO Asia-Pacific Centre for Environment and Health
- 15:50 0:25 · Presentation 3: Clear communication for intervention success: Lessons learned from COVID-19. Rebecca Christofferson, LSU School of Veterinary Medicine
- 16:15 0:25 · Presentation 4: Toxicological impacts of the COVID-19 pandemic. Antonio Pascale Prieto, University of Montevideo
- 16:40 0:10 Break

Session 4: Pandemic planning: public health messages

Chair: Akeem Ali, Trainee: Allyson Hirsch

- 16:50 0:25 · Presentation 1: Associations of COVID-19 hospitalizations, ICU admissions, and mortality and their mediation by air pollution and other risk factors. Jennifer Richmond-Bryant, North Carolina State University
- 17:15 0:25 · Presentation 2: Adapting public health messages for an Indigenous audience. Dee Lewis, University of Guelph
- 17:40 0:25 · Presentation 3: Modelling the Prevalence of Asymptomatic COVID-19 Infections: Lesson from the Large-scale Screening in China. Bin Wang, Peking University
- 18:45 3:00 Evening reception from 6-9pm at Capitol Park Museum with live entertainment