

2023 International Symposium of Precision Environmental Medicine (ISPEM)

Birth Cohort Consortium of Asia (BiCCA) Workshop and Reunion

Theme: Multi-omics approaches in children environmental health

Date: September 15-19, 2023

Local Organizers:

National Science and Technology Council (NSCT), Taipei, Taiwan

National Health Research Institutes (NHRI), Miaoli, Taiwan

Kaohsiung Medical University, Kaohsiung, Taiwan

Kaohsiung Municipal Siaogang Hospital, Kaohsiung, Taiwan

National Taiwan University College of Public Health, Taipei, Taiwan

Taiwan Public Health Association, Taipei, Taiwan

International Organizers:

Birth Cohort Consortium of Asia

ISEE Asia and Western Pacific Chapter

Program

Day 1: September 15, Friday

07:30 – 09:00	Bus (Taipei to NHRI, Miaoli)
09:00 – 10:00	Registration (NHRI, Miaoli)
10:00 – 11:00	Introduction of Taiwan Biobank Speaker: Hou-Wei Chu, Taiwan
11:00 – 12:00	Introduction of the National Biobank Consortium of Taiwan (NBCT) Speaker: Yi-Hsin Yang, Taiwan
12:00 – 13:30	Lunch
13:30 – 15:00	NHRI Tour
15:00 – 18:00	Bus (NHRI, Miaoli to Kaohsiung)

Day 2: September 16, Saturday

09:00 – 10:00	Registration (Kaohsiung Medical University, Kaohsiung)
10:00 – 10:50	Gene-environmental interaction studies and precision health Speaker: Shau-Ku Huang, Taiwan
10:50 – 11:40	Future perspective of children environmental health (tentative) Speaker: Ruth Ann Etzel, United States
11:40 – 13:00	Lunch
13:00 – 13:50	Exposomic research (tentative) Speaker: Shoji Nakayama, Japan (invitation in progress)

13:50 – 14:40	Multi-omics and deep learning (tentative) Speaker: Tzu-Pin Lu, Taiwan
14:40 – 15:00	Break
15:00 – 15:50	Safeguarding human health in the Anthropocene epoch Speaker: Sir Andy Haines, United Kingdom (online)
15:50 – 16:40	Public health, omics, and data science: New approaches for risk factor identification and risk prediction Speaker: Andrea Baccarelli, United States

*40 minutes for lecture and 10 minutes for discussion

Day 3: September 17, Sunday

08:00 – 09:00	Registration (Kaohsiung Medical University, Kaohsiung)
09:00 – 10:00	BiCCA Opening Ceremony The next generation of birth cohort collaborations Speakers: Pau-Chung Chen, Taiwan Eun-Hee Ha, Korea (invitation in progress) Reiko Kishi, Japan Jun Jim Zhang, China Yap-Seng Chong, Singapore
10:00 – 10:20	Break
10:20 – 10:40	Ten years progress of BiCCA Speaker: Mei-Huei Chen, Taiwan
10:40 – 12:00	Cohort introductions and updates Part 1: (I) Dioxin and development of children in Vietnam Speaker: Nguyen Thi Phuong Oanh, Vietnam (II) Nepali Birth Cohort study in Chitwan Valley Speaker: Rajendra Prasad Parajuli, Nepal (III) Kalutara Children's Health Study Speaker: Sumal Nandasena, Sri Lanka
12:00 – 13:30	Lunch
13:30 – 14:30	Cohort introductions and updates Part 2: (IV) Mother-Infant Study Cohort Speaker: Hadia Radwan, United Arab Emirates (to be confirmed) (V) Birth Cohort Study in Mongolia - Towards solving global problems in the maternal and child health (Invitation in progress)
14:30 – 15:30	BiCCA PI meeting (by Invitation)
17:30 – 20:00	ISEE Welcome Reception (Kaohsiung Main Library, Kaohsiung)

Day 4: September 18, Monday

08:00 – 09:00	Registration (Kaohsiung Exhibition Center)
09:00 – 09:30	ISEE Opening Ceremony
09:30 – 10:15	ISEE Keynote Lectures 1 Epidemiology to Inform Public Policy Decisions Speaker: Chien-Jen Chen, Taiwan
10:15 – 11:00	ISEE Keynote Lectures 2 Addressing multi-risks: innovative approaches are probably required Speaker: Yun-Chul Hong, Korea
11:00 – 13:00	Lunch
13:00 – 16:00	Site visit Kaohsiung Municipal Siaogang Hospital
19:30 – 22:00	BiCCA Workshop and Reunion Dinner (by Invitation)

Day 5: September 19, Tuesday

09:30 – 10:30	Registration (Kaohsiung Exhibition Center)
10:30 – 12:00	ISEE Symposium Environmental chemicals as endocrine disruptors: current evidence from the Birth Cohorts of Asia
12:00	Farewell