

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 National Health Research Institutes, Miaoli)
09:00 – 10:00	Registration Venue: Conference Room 1, Administration Building
10:00 – 11:00	Introduction of Taiwan Biobank Speaker: Chung-ke Chang, Taiwan
11:00 – 12:00	Introduction of the National Biobank Consortium of Taiwan (NBCT) Speaker: Yi-Hsin Yang, Taiwan
12:00 – 13:30	Lunch & Round Table Discussion Venue: R1-5042 Meeting Room, Research Building
13:30 – 15:00	NHRI Tour Air Pollution Laboratory of NIEHS (Dr. Yu-Cheng Chen) Analytical Laboratory of NIEHS (Dr. Jing-Fang Hsu) Taiwan Zebrafish Core Facility @ NHRI (Dr. May-Su You)
15:00 – 18:00	Bus (National Health Research Institutes, Miaoli to Kaohsiung)

Day 2: September 16, Saturday

09:00 – 10:00	Registration Venue: Audio-Visual Education Center, Li-Hsueh Building Floor 3½, Kaohsiung Medical University, Kaohsiung
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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	An integrated analysis of multiomics data in lung cancer Speaker: Tzu-Pin Lu, Taiwan
14:40 – 15:00	Break
15:00 – 16:50	Venue: International Conference Hall, International Academic Research Building B2, Kaohsiung Medical University, Kaohsiung
15:00 – 15:10	Introduction Speaker: Pau-Chung Chen, Taiwan
15:10 – 16:00	Advancing global public health for a healthier planet Speaker: Sir Andy Haines, United Kingdom (online)
16:00 – 16:50	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 Venue: Audio-Visual Education Center, Li-Hsueh Building Floor 3½, Kaohsiung Medical University, Kaohsiung
09:00 – 10:00	BiCCA Opening Ceremony Shio-Jean Lin, Taiwan Guest of honor (invitation in progress) The next generation of birth cohort collaborations (remarks by BiCCA Chairs Pau-Chung Chen, Taiwan Reiko Kishi, Japan Eun-Hee Ha, Korea (invitation in progress) Jun Jim Zhang, China (online) 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 – 11:40	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 Nandasen, Sri Lanka
11:40 – 13:00	Lunch
13:00 – 14:00	Cohort introductions and updates Part 2: (IV) Ulaanbaatar Gestation and Air Pollution Research (UGAAR) Speaker: Enkhjargal Gombojav (to be confirmed) (V) Taiwan Maternal and Infant Cohort Study (TMICS): Past, Present, and Future Speaker: Ming-Tsang Wu, Taiwan (VI) the Hokkaido Cohort Study: Phthalate substitutes exposure trend in children, Speaker: Rahel Mesfin KETEMA, Ethiopian
14:00 – 14:20	WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards - Social implementation from birth cohort studies Speaker: Atsuko Ikeda, Japan
14:20 – 15:30	BiCCA PI meeting (by invitation)
17:30 – 20:00	ISEE Welcome Reception Venue: Kaohsiung Main Library, Kaohsiung

Day 4: September 18, Monday

08:00 – 09:00	Registration (ISEE 2023 attendees only) Venue: Hall 301A, Kaohsiung Exhibition Center, Kaohsiung
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 – 14:30	ISEE-AWPC chapter gathering (members only)
13:00 – 16:30	Site visit (free attendance, refer to appendix) Venue: Conference Room 1, Kaohsiung Municipal Siaogang Hospital

	Floor 4, Kaohsiung
19:30 –22:00	BiCCA Workshop and Reunion Dinner (by invitation) Venue: InterContinental Hotels and Resorts, Kaohsiung

Day 5: September 19, Tuesday

09:30 – 10:30	Registration (ISEE 2023 attendees only) Venue: Hall 304A, Kaohsiung Exhibition Center, Kaohsiung
10:30 – 12:00	ISEE Symposium Environmental chemicals as endocrine disruptors: current evidence from the Birth Cohorts of Asia
12:00	Farewell

Visit by Distinguished Guests from National Institute of Environmental Health Sciences

- Date : September 18th, 2023
- Time : 13 : 00-16 : 30
- Venue : Kaohsiung Municipal Siaogang Hospital

Time	min	Program/Topic	Speaker	Venue	
13:25-13:30	5	Welcome			
13:30-13:35	5	Group Photo			
13:35-13:45	10	Opening Remarks	Chao-Hung Kuo, Superintendent, Kaohsiung Municipal Siaogang Hospital	4 th Floor No. 1 Conferenc e Room	
13:45-13:50	5	Welcome Address			
13:50-14:05	15	Introduction to Kaohsiung Municipal Siaogang Hospital	Chu-Sung Hu, Director, Teaching and Research Center, Kaohsiung Municipal Siaogang Hospital		
14:05-14:20	15	Air Pollution Research and Clinical Applications in Siaogang Hospital	Da-Wei Wu, Director, Teaching and Research Center, Kaohsiung Municipal Siaogang Hospital		
14:20-14:30	10	Q&A			
14:30-14:45	15	Coffee Break			
14:45-15:00	15	Data-Driven Insights: Analyzing Big Data to Improve Understanding of Air Pollution and Child Health - A KMUHRD Experience	Hao Wei Chung, Attending Physician, Department of Pediatrics, Kaohsiung Municipal Siaogang Hospital		
15:00-15:20	20	KMU's Research Center for Precision Environmental Medicine: Past, Present, and Future	Ming-Tsang Wu, MD, ScD, MOH. Director, Research Center for Precision Environmental Medicine, Kaohsiung Medical University		
15:20-15:30	10	Q&A			
15:30-15:45	15	Coffee Break			
15:45-16:00	15	Skyline Tour of Siaogang District	Ming-Tsang Wu, MD, ScD, MOH. Director, Research Center for Precision Environmental Medicine, Kaohsiung Medical University	10 th Floor	
16:00-16:30	30	Hospital Tour: Emergency and Critical Care Building	Chu-Sung Hu, Director, Teaching and Research Center, Kaohsiung Municipal Siaogang Hospital.	Hospital Lobby	
16:30~		Concluding Remarks			