

## 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	(Taipei to National Health Research Institutes, Miaoli)
09:00 – 10:00	Registration Venue: Meeting Room 6, Administration Building (No. 35, Keyan Road, Zhunan Town, Miaoli County, Taiwan)
10:00 – 11:00	Introduction of Taiwan Biobank Speaker: Chung-ke Chang, Taiwan Moderator: Pau-Chung Chen/ Wei-Te Wu
11:00 – 12:00	Introduction of the National Biobank Consortium of Taiwan (NBCT) Speaker: Yi-Hsin Yang, Taiwan Moderator: Pau-Chung Chen/ Wei-Te Wu
12:00 – 13:30	Lunch & Round Table Discussion Venue: Meeting Room 6, Administration Building
13:30 – 15:00	NHRI Tour (Research Building R1 & R2) Analytical Laboratory of NIEHS (Dr. Jing-Fang Hsu) Air Pollution Laboratory of NIEHS (Dr. Yu-Cheng Chen) Taiwan Zebrafish Core Facility @ NHRI (Dr. May-Su You)
15:00 – 18:00	(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 (No.100, Shih-Chuan 1st Road, Sanmin Dist., Kaohsiung, Taiwan)
10:00 – 10:50	Gene-environmental interaction studies and precision health Speaker: Shau-Ku Huang, Taiwan
10:50 – 11:40	Children’s Health and the Climate Crisis Speaker: Ruth Ann Etzel, United States
11:40 – 13:00	Lunch
13:00 – 13:50	Japan Environment and Children’s Study—Progress and Challenges— Speaker: Shoji Nakayama, Japan (online)
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

**Day 3: September 17, Sunday**

08:00 – 09:00	Registration Venue: Audio-Visual Education Center, Li-Hsueh Building Floor 3½, Kaohsiung Medical University, Kaohsiung (No.100, Shih-Chuan 1st Road, Sanmin Dist., Kaohsiung, Taiwan)
09:00 – 10:00	BiCCA Opening Ceremony Shio-Jean Lin, Taiwan You-Lin Tain, Taiwan 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) Taiwan Maternal and Infant Cohort Study (TMICS): Past, Present, and Future Speaker: Ming-Tsang Wu, Taiwan (V) 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 (No.61, Singuang Rd., Qianzhen Dist., Kaohsiung, Taiwan)

**Day 4: September 18, Monday**

08:00 – 09:00	Registration (ISEE 2023 attendees only) Venue: Hall 301A, Kaohsiung Exhibition Center, Kaohsiung (No.39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung, Taiwan)
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 – 16:30	Site visit (free attendance, refer to appendix) Venue: Conference Room 1, Floor 4, Kaohsiung Municipal Siaogang Hospital (No.482, Shanming Rd., Siaogang Dist., Kaohsiung, Taiwan)
18:30 –21:00	BiCCA Workshop and Reunion Dinner (by invitation) Venue: 4F Fung Yuan/ Junior Ballroom II, InterContinental Hotels and Resorts, Kaohsiung (No. 33, Xinguang Rd., Qianzhen Dist., Kaohsiung, Taiwan)

#### **Day 5: September 19, Tuesday**

09:30 – 10:30	Registration (ISEE 2023 attendees only) Venue: Hall 304A, Kaohsiung Exhibition Center, Kaohsiung (No.39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung, Taiwan)
10:30 – 12:00	ISEE Symposium Environmental chemicals as endocrine disruptors: current evidence from the Birth Cohorts of Asia
12:00	Farewell

#### **September 20, Wednesday**

09:30 – 10:30	Registration (ISEE 2023 attendees only) Venue: Hall 304A, Kaohsiung Exhibition Center, Kaohsiung (No.39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung, Taiwan)
12:10 – 13:10	ISEE-AWPC chapter meeting (members only) Room 303E

## Visit by Distinguished Guests from National Institute of Environmental Health Sciences

- Date : September 18<sup>th</sup>, 2023
- Time : 13 : 00-16 : 30
- Venue : Kaohsiung Municipal Siaogang Hospital  
(No.482, Shanming Rd., Siaogang Dist., Kaohsiung, Taiwan)

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 <sup>th</sup> 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 <sup>th</sup> 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			

