



EXPOSOMICS – A BRIDGE TO JAPAN

23 AUGUST 2022, 14.00-16.30, CDE (room O.03)

- 14.00-14.10: **Prof. Adrian Covaci** (TC-UA) – Introduction to the event, Lab organization and research activities
- 14.10-14.50: **Prof. Atsuko Araki-Ikeda** (Hokkaido University) – **Associations between bisphenols, PFRs and onset of puberty: the Hokkaido Study**
- 14.50-15.30: **Dr. Yu Ait Bamai** (Hokkaido University and University of Antwerp) – **Mixture exposure to plastic-related short half-life chemicals and associations with childhood asthma and allergies: the Hokkaido Study**
- 15.30-16.10: **Dr. Shoji Nakayama** (National Institute of Environmental Studies, NIES) – **Environment and children's health: Beyond association towards public health**
- 16.10-16.30: **Prof. Adrian Covaci** – General discussion and closing remarks

Atsuko IKEDA

Department of Health Sciences and Technology, Faculty of Health Sciences and Centre for Environmental and Health Sciences, Hokkaido University

Professor of Faculty of Health Sciences, and Adjunct Professor of the Centre for Environmental and Health Sciences at Hokkaido University.



Her specialty is environmental epidemiology. In particular, her interests focus on exposure to EDCs, such as phthalates, PFAS, PFR, bisphenols, and their effects on children's health including asthma and allergies, reproductive hormones and puberty. She is a PI of FWO-JSPS MECHA project collaboration with Prof. Covaci, which enable to visit UA. Dr. Ikeda is now leading a face-to face examination of adolescents of the Hokkaido Birth Cohort Study for Environment and Children's Health.

Yu AIT BAMAI

Center for Environmental and Health Sciences, Hokkaido University & Toxicological Centre, University of Antwerp

Dr. Yu Ait Bamai has more than 10y experience in environmental epidemiology and exposure science.



Her research focuses on human exposure to emerging contaminants and their health effects, such as allergies, infectious diseases, and puberty developments in children. She is leading the exposure assessments of the prenatal and postnatal exposure in "Hokkaido Study on Environment and Children's Health", investigating the health effects, and exploring routes of human exposure from consumer products.

Shoji NAKAYAMA

Deputy Director, Japan Environment and Children's Study Programme Office, Head, Exposure Dynamics Research Section, Health and Environmental Risk Division, National Institute for Environmental Studies, Japan

Dr. Shoji Nakayama is a Public Health Specialist/Supervisor. He is Associate Editor of Environment International and Journal of Exposure



Science and Environmental Epidemiology. He is a lead exposure scientist for the Japan Environment and Children's Study (JECS, longitudinal birth cohort study involving 100,000 mothers and children). He is devoted to human biomonitoring research, and recently to exposome research. He collaborates with US, Canada, EU and Asian researchers to advance and promote children's environmental health.