IEA-WCE2017 Symposium

The state-of-the-art research on children's environmental epidemiology and its future strategy

Chairperson

Zentaro Yamagata, M.D., Ph.D.
Graduate School Department of Interdisciplinary Research, University of Yamanashi

Michihiro Kamijima, M.D., Ph.D.
Department of Occupational and Environmental Health, Nagoya City University Graduate School of Medical Sciences

Program

13:00-13:05 Welcome Address by Ministry of the Environment, Japan

13:05-13:35 Presentation

Children's health and the environment: the American experience
Brenda Eskenazi, Ph.D., CERCH, School of Public Health, University of California, Berkeley

13:35-14:05 Presentation

Impact of maternal nutrition on children’s health and development
Sjurur F. Olsen, M.D., MSc, DMSc, Ph.D.
Centre for Fetal Programming, Statens Serum Institut and Department of Nutrition, Harvard School of Public Health

14:05-14:35 Presentation

Large data challenges and opportunities in detection of genome-exposome interaction in children’s health and development
Chirag J. Patel, Ph.D.
Department of Biomedical Informatics, Harvard Medical School

14:35-15:05 Presentation

Japan Environment and Children’s Study (JECS)
Shoji F. Nakayama, M.D., Ph.D.
National Institute for Environmental Studies

15:05-15:30 Panel Discussion
Abstract

The purpose of this symposium is to promote the awareness of the Japan Environment and Children’s Study (JECS), a birth cohort study involving 100,000 parent-child pairs, which was launched in 2011 to evaluate the impact of various environmental factors on children’s health and development.

Professor Brenda Eskenazi of the Center for Environmental Research and Children’s Health (CERCH), School of Public Health, University of California, Berkeley, USA, will give a lecture, based on her studies, about environmental chemicals that have serious effects on children’s health. Professor Sjurdur F. Olsen of the Center for Fetal Programming, Statens Serum Institut, Copenhagen, Denmark, will speak about the influence of pregnancy nutrition on the health of the children born in the Danish birth cohort study. Professor Chirag J. Patel of the Department of Biomedical Informatics, Harvard Medical School, will argue that the state of data science with regard to analyzing human exposure is influenced by the phenotypes of the developing child (as well as its parents). He will also provide recommendations from the viewpoint of exposure-based biomedical research for the public health community to consider when dealing with the challenges of analyzing big data. Finally, Dr. Shoji F. Nakayama of the National Institute for Environmental Studies, Japan, will introduce the outline and progress of the JECS.

In the discussion, we would like to encourage the participants to join us in thinking about the problems and expectations concerning research on children’s health and the environment.

For more information about JECS, please visit the following website:

<For Press>

● Media Registration
  Please come to “Press Reception Desk” near the entrance of Small Hall for media registration.

● About Interview
  Please come to “Press Reception Desk” after the close of Symposium 2 if you would like to ask questions to chairs and speakers.