

## **Collaborating Education Program on “International Education Course on Environmental Preventive Medicine”**

Co-organized by Chiba University, University of Nice-Sophia Antipolis and  
World Health Organization (WHO)

- Date: 22<sup>nd</sup> and 23<sup>rd</sup> November 2017
- Venue: Amphitéâtre du Galet at University of Nice-Sophia Antipolis,  
Hôpital Pasteur 2, Centre Hospitalo-Universitaire de Nice  
Avenue de la voie Romaine, Nice  
Arrêt du tramway : «Hôpital Pasteur »
- Language: English
- Textbook: WHO Children’s Environmental Health Education Training Package  
(PowerPoint Slides)
- WHO :
  - Dr. Maria Neira (Director, Department of Public Health, Environmental and Social Determinants of Health) (Video message)
  - Ms Marie-Noël Bruné (Technical Officer, Department of Public Health, Environmental and Social Determinants of Health)
- Lecturers (in Alphabetical order):
  1. Dr. Françoise Brucker (Praticien Hospitalier, Department of Endocrinology, Diabetology and Reproduction, University of Nice-Sophia Antipolis)
  2. Professor Nicolas Chevalier (Department of Endocrinology, Diabetology and Reproduction, University of Nice-Sophia Antipolis)
  3. Dr. Jeanne Conry (International Federation of Gynecology and Obstetrics: FIGO)
  4. Professor Barbara Demeneix (Director, Laboratory of Evolution of Endocrine Regulation, The National Centre for Scientific Research (CNRS), Paris, France)
  5. Dr. Ruth Etzel (Director, Office of Children’s Health Protection, US-EPA)
  6. Professor Elaine Faustman (Department of Environmental and Occupational Health Sciences, University of Washington, USA)
  7. Professor Patrick Fénelichel (Department of Endocrinology, Diabetology and Reproduction, University of Nice-Sophia Antipolis)
  8. Dr. Kirsten Poore (Lecturer in Physiology, Faculty of Medicine, University of Southampton, the UK)
  9. Professor Chisato Mori (Director, Centre for Preventive Medical Sciences, Chiba University, Japan)
  10. Professor Emiko Todaka (Centre for Preventive Medical Sciences, Chiba University/WHO)

## Program

**Day 1:**

**AM: 9:00 - 12:00**

**Master of Conference: Professor Patrick Fénichel**

1. Greeting from Professor Patrick Baqué, Dean of the Faculty of Medicine, Nice University (5 minutes)
2. Greeting from Dr. Maria Neira (Video message, 5 minutes)
3. Opening remark by Professor Patrick Fénichel (5 minutes)
4. Opening remark by Professor Chisato Mori (5 minutes)
5. Day 1 Announcement (5 minutes)
6. Introduction by Ms Marie-Noël Bruné “Children’s Environmental Health in WHO and Sustainable Developmental Goals” (15 minutes)
7. Evaluation (Before the program) (15 minutes)
8. Education Program  
**Early life determines adult diseases**

1. About WHO Training Package (objective, background) by Ms Marie-Noël Bruné (10-15 minutes)

Break (15 minutes)

2. “Why children?” and “Children are not little adults” by Dr. Ruth Etzel (25 minutes each)
  3. “Developmental Origin of Adult chronic Diseases and Epigenetics” by Dr. Kirsten Poore (30 minutes)
- Discussion (15 minutes)

**Lunch (12:00-13:30)**

**PM: 13:30 - 17:30**

**MC: Emiko Todaka**

**Emerging health issues and environmental exposures (30 minutes each)**

1. “Male Reproductive Health” by Professor Patrick Fénichel
2. “Female Reproductive Health and the environment” by Dr. Jeanne Conry  
Discussion (15 minutes)  
Break (20 minutes)
3. “Metabolic syndrome including diabetes and obesity” by Professor Nicolas Chevalier  
Discussion (10 minutes)
4. “Health effects by Air pollution” by Professor Emiko Todaka  
Discussion (10 minutes)

**Day 2:**

**AM: 9:00 - 12:30**

**MC: Emiko Todaka**

**1. Day 2 Announcement**

Group making (10 students in one group)

**2. Education program**

**MC: Professor Barbara Demeneix**

**Pollutants and human health (30 minutes each)**

1. “Neurodevelopmental disorders” by Professor Barbara Demeneix  
Discussion (10 minutes)
2. “Learning from historical accidents and tragic events: Minamata Disease, Seveso accident, Asbestos etc.” by Professor Emiko Todaka  
Discussion (10 minutes)
3. “Environmental Epidemiology, Exposome and Biomarkers” by Dr. Ruth Etzel  
Discussion (10 minutes)

**Break (20 minutes)**

4. “Chemicals, POPs and Heavy Metals” by Professor Elaine Faustman
5. “Endocrine Disrupting Chemicals” by Dr. Françoise Brucker-Davis  
Discussion (10 minutes)

**Lunch: 12:30-14:00**

**PM: 14:00 - 17:20**

**MC: Emiko Todaka**

**Prevention and Interventions**

1. Evidence based intervention “Birth cohort study” by Professor Chisato Mori (15 minutes)
2. “Virtuous Cycle for future generations” by Professor Emiko Todaka (15 minutes)
3. Group Discussion (Presentation preparation) facilitated by Professor Elaine Faustman (30 minutes) (all the lecturers help the discussion of the students)
  - ① What could we do about the neurodevelopmental diseases ?
  - ② What could we do about obesity ?
  - ③ What could we do about allergies such as asthma ?
  - ④ How we can improve the air pollution ?
  - ⑤ How we can improve food contaminants ?
  - ⑥ Etc.

Break (15 minutes)

MC: Professor Elaine Faustman

Presentations by 10 groups (5 minutes each; about 60mins)

Discussion by all (30 minutes)

**3. Conclusions**

**4. Evaluation after the program (20 minutes)**

**5. Closing Remarks by Professors Fénichel and Mori (5 minutes)**