



9th Copenhagen Workshop on ENDOCRINE DISRUPTERS

2017 • MAY 2-5

SCIENTIFIC PROGRAMME FOR COW2017

TUESDAY 2 MAY

13.00 - 14.00 REGISTRATION AND SANDWICHES

14.00 - 14.10 OPENING

Welcome and introduction to the Workshop
Anna-Maria Andersson, Rigshospitalet, Denmark

14.10- 15.25 MALE REPRODUCTION

Chaired by: Niels Erik Skakkebaek & Anna-Maria Andersson

- 14.10-14.30 1 20 years of monitoring semen quality among young Danish men
Lærke Priskorn, Rigshospitalet, Denmark
- 14.35- 14.55 2 Prenatal phthalate exposure and adult male reproductive function
Roger Hart, University of Western Australia, Australia
- 15.00 - 15.20 3 Parental occupational exposures to organic solvents and metals and risk of testicular cancer in sons
Johnni Hansen, Danish Cancer Society, Denmark

15.25 - 16.00 COFFEE BREAK

16.00- 17.35 TEMPORAL TRENDS

Chaired by: Niels Erik Skakkebaek & Anna-Maria Andersson

- 16.00 - 16.30 1 Temporal trends in sperm count: A systematic review and meta-analysis
Hagai Levine, Hadassah-Hebrew University School of Public Health, Israel
- 16.35- 17.00 2 Temporal trends and environmental influences on semen quality in the dog
Richard Lea, University of Nottingham, UK
- 17.05 - 17.30 3 Trends in cancer in sex hormone target organs
Hans Storm, Danish Cancer Society, Denmark

17.45- 19.30 GET TOGETHER RECEPTION AND POSTER SESSION



WEDNESDAY 3 MAY

8.30 - 10.00 NON-GENOMIC EFFECTS OF EDCs

Chaired by: Jorma Toppari & Bernard Jegou

- 8.30 - 8.55 1 Non-genomic effects of EDCs on sperm cells
João Ramalho-Santos, University of Coimbra, Portugal
- 9.00 - 9.25 2 Spermatozoan ion channels and male fertility
Jean-Ju Chung, Yale University, USA
- 9.30 - 9.55 3 Mechanisms of effects of progesterone and EDCs on CatSper channels in sperm cells
Timo Strünker, University of Münster, Germany

10.00 - 10.30 COFFEE BREAK

10.30 - 12.00 NON-GENOMIC EFFECTS OF EDCs (continued)

- 10.30 - 10.55 4 The endocannabinoid system as a possible target for external exposures
Cristoforo Silvestri, Imperial College London, UK
- 11.00 - 11.15 5 Effects of EDCs on sperm function
Anders Rehfeld, Rigshospitalet, Denmark
- 11.20 - 11.45 6 Non-genomic effects of BPA in the heart
Hong-Sheng Wang, University of Cincinnati, USA
- 11.50 - 12.00 7 General discussion on EDCs and non-genomic effects

12.00 - 13.00 LUNCH

13.00 - 14.50 MALE REPRODUCTION –INSIGHT FROM ANIMAL AND EXPERIMENTAL STUDIES

Chaired by: Ulla Hass & Peter O'Shaughnessy

- 13.00 - 13.25 1 Prediction of Adverse Male Reproductive Health Effects by In Vitro Data and Physiologically-Based Kinetic Modelling
Anne Marie Vinggaard, Technical University of Denmark, Denmark
- 13.30 - 13.50 2 Analgesics and endocrine disruption of adult human testis function
David Møbjerg Kristensen, University of Copenhagen, Denmark
- 13.55 - 14.15 3 Analgesics and endocrine disruption: Latest evidences in the human fetus
Bernard Jegou, INSERM, France
- 14.20 - 14.45 4 Mixture effects of anti-androgens and oestrogens on reproductive development of male rats
Sofie Christiansen, Technical University of Denmark, Denmark

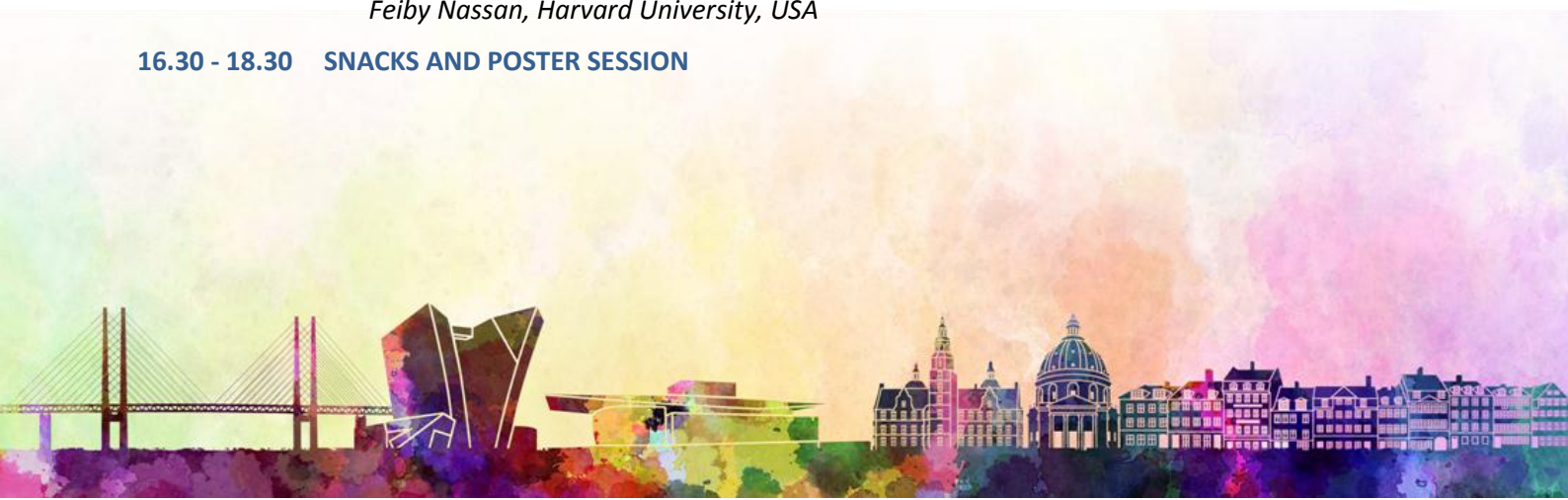
14.50 - 15.20 COFFEE BREAK

15.20 - 16.30 MALE REPRODUCTION AND HEALTH

Chaired by: Russ Hauser & Tina Kold Jensen

- 15.15 - 15.40 1 Semen quality and subsequent hospitalization
Rune Lindahl-Jacobsen, University of Southern Denmark, Denmark
- 15.45 - 16.05 2 Male reproductive hormones and mortality
Stine Holmboe, Rigshospitalet, Denmark
- 16.10 - 16.25 3 Personal care products as a source of phthalate and paraben exposure in men
Feiby Nassan, Harvard University, USA

16.30 - 18.30 SNACKS AND POSTER SESSION



THURSDAY 4 MAY

8.30 - 10.10 FEMALE REPRODUCTION

Chaired by: Shanna Swan & Remy Slama

- 8.30 - 8.45 1 Running out of eggs? Early EDC exposure alters ovarian follicle reserves in rats
Julie Boberg, Technical University of Denmark, Denmark
- 8.50 - 9.15 2 Perfluorinated compounds and women's reproductive health: a preconception cohort study
Jim Zhang, Shanghai Jiao Tong University School of medicine, China
- 9.20 - 9.45 3 The exposome and impaired fecundity: EWAS data from the LIFE study
Germaine Buck Louis, National Institutes of Health, USA
- 9.50 - 10.00 4 Short oral presentation: Activational and organizational disruption of folliculogenesis and estrous cycle caused by exposure to Bisphenol A (BPA) during early postnatal or adult life
David Lopez Rodriguez, University of Liège, Belgium

10.05 - 10.25 COFFEE BREAK

10.25- 12.05 EMBRYOGENESIS AND PLACENTA FUNCTION

Chaired by: Thaddeus Schug & Heather Patisaul

- 10.25 - 10.55 1 Systems Toxicology of Embryo Development
Thomas B Knudsen, Environmental Protection Agency, USA
- 11.00 - 11.25 2 Placenta as a target organ for EDCs: an AOP perspective
Alberto Mantovani, Istituto Superiore di Sanità, Italy
- 11.30 - 11.45 3 Placental hCG in early pregnancy is a sex-specific target of phthalate exposure and mediator of development
Jennifer Adibi, University of Pittsburg, USA
- 11.50 - 12.00 4 Short oral presentation: Infant birth weight in relation to paternal and maternal exposure to phenols among subfertile couples
Vicente Mustieles, University of Granada, Spain

12.05 - 12.45 LUNCH

12.45 - 14.15 CHILD HEALTH AND SEXUAL MATURATION I

Chaired by: Katharina Main & Tina K. Jensen

- 12.45 - 13.10 1 Neuro-physiological development in children in relation to prenatal exposure
Tina Kold Jensen, University of Southern Denmark, Denmark
- 13.15 - 13.40 2 Prenatal exposure to phthalates and language delay: Results from Europe and the US
Shanna Swan, Mt Sinai, USA
- 13.45 - 14.10 3 Prenatal exposure to paracetamol, co-exposure to phthalates, and language delay in SELMA
Carl-Gustaf Bornehag, Karlstad University, Sweden

14.15 - 14.45 COFFEE BREAK

14.45 - 16.30 CHILD HEALTH AND SEXUAL MATURATION I (continued)

- 14.45 - 15.10 4 Prenatal exposure to phenols and behavior in boys at 3 and 5 years
Remy Slama, University of Grenoble -INSERM, France
- 15.15 - 15.40 5 In utero mouse model of BPA exposure: Physiology, behavior and epigenetics
Marisa Bartolomei, University of Pennsylvania, USA
- 15.45 - 16.10 6 Exacerbation of ED effects of environmental pollutants by coincident exposure to pharmaceuticals
Pierre Gaudriault, INSERM, France
- 16.15 -16.25 7 Short oral presentation: First trimester phthalate exposure and male newborn genital anomalies
Sheela Sathyanarayana, Seattle Children's Research Institute, USA

18.00 - LATE WORKSHOP DINNER



FRIDAY 5 MAY

9.00 - 10.20 CHILD HEALTH AND SEXUAL MATURATION II

Chaired by: Heather Patisaul & Jorma Toppari

- 9.00 - 9.25 1 Longitudinal exposure to phenols, UV filters and parabens in children and adolescents and effects on sexual maturation - Copenhagen puberty study
Hanne Frederiksen, Rigshospitalet, Denmark
- 9.30 - 9.45 2 Effects of EDCs on the peri-pubertal epigenome
Kristian Almstrup, Rigshospitalet, Denmark
- 9.50 - 10.00 3 Short oral presentation: Ovarian function in adolescence – effect of prenatal exposure
Maria Assens, Rigshospitalet, Denmark
- 10.05- 10.15 4 Short oral presentation: Biomonitoring reveals high exposure to a rare and potent phthalate and other nonpersistent chemicals in a Brazilian pregnancy cohort
Anderson Martino-Andrade, Federal University of Paraná, Brazil

10.20 - 10.45 COFFEE BREAK

10.45-11.35 CHILD HEALTH AND SEXUAL MATURATION II (continued)

Chaired by: Heather Patisaul & Jorma Toppari

- 10:45-11:10 5 Environmental exposures and pubertal outcomes in Chilean children
Anita Pereira, University of Chile, Chile
- 11:15-11:30 6 Analgesics and development of female reproductive organs
David Møbjerg Kristensen, University of Copenhagen, Denmark

11.35 - 12.35 SEX STEROIDS

Chaired by: Anna-Maria Andersson

- 11.35 - 12.00 1 Sex hormone manipulations and effects on the human brain
Vibe Gedsø Frøkjær, Rigshospitalet, Denmark
- 12.05 - 12.30 2 A structural view of the interaction between endocrine disruptors and nuclear hormone receptors
William Bourguet, Centre for biochemical structures - INSERM; France

12.35 - 13.20 LUNCH

13.20 - 14.50 SCIENCE TO POLICY

Chaired by: Pia Juul Nielsen, Danish EPA

- 13.20 - 13.35 1 For policy actions, what we need to identify and regulate endocrine disruptors
Helene Lecloux, Federal Public Service Health, Food Chain Safety and Environment, Belgium
- 13.35 - 13.50 2 OECD test methods for the identification of endocrine disruptors and possibilities for improvements – a perspective from the European Commission Services
Maiken Guldborg Rasmussen, European Commission, DG Environment
- 13.50 - 14.05 3 Research supporting risk assessment
Mattias Öberg, Swetox, Sweden
- 14.05 - 14.20 4 In vivo studies of ED: study design and reporting aspects are critical for regulatory purposes
Ulla Hass, Technical University of Denmark, Denmark
- 14.20 -14.50 5 Questions and Discussion

14.50 - 15.00 CLOSING REMARKS

