



SEX AND SIGNALING: THE MOLECULAR BASIS OF SEX AND GENDER MEDICINE

Sex is a major biological variable known to be largely underrated in the biological and medical research. The purpose of this Symposium is to focus on new functions and/or discoveries in the genetic determinants and hormonal regulation of sex and gender differences during evolution and the life span in humans and translationally relevant animal models. The target audience will be clinicians and basic scientists working in the field of reproductive biology, genetics, pharmacology and medicine.

Plenary lectures:

- Nuclear receptor action
- Mammalian sex determination
- Sex and gender aspects in basic and clinical research

Symposia:

- Evolutionary aspects of sex determination
- Actors in sex signaling
- Sex and brain
- Sex and metabolism
- Sex and gender differences in aging

Confirmed speakers:

Ali Abbara, Julie Bakker, Andrzej Bartke, Fabio Blandini, Gian Paolo Dotto, Colin Duncan, Christa Flück, Alan Herbison, Vincent Laudet, Michael Mancini, Jordan Marrocco, Olavi Pelkonen, Focko Rommerts, Ivanca Savic, Anne Simone-Parent, Wayne Tilley, James M.A Turner, Eric Vilain, Jenny Visser, Tristram Wyatt

Where: The **Mont Sainte-Odile** (30 km from Strasbourg), an old abbey founded more than 13 centuries ago in Alsace, France

When: Wednesday OCTOBER 12th to
Saturday OCTOBER 15th 2022

Organizers:

Ilpo Huhtaniemi (Finland/UK)
Adriana Maggi (Italy)

For any contact with the organization of the Congress in 2020, only use the following email address
mso2020@hormones-cell-regulation.eu



QR Code MSO

Registration Now Open
<http://hormones-cell-regulation.eu/>



Registration



Programme:

WEDNESDAY 14th October 2020

- 15.00-16.00: Bus arrival and cold lunch
- 16.00-16.10: Welcome words ..

Session 1: Evolutionary aspects

Chair: TBA

- 16:15-16:50: **Vincent Laudet** (France): Evolution of sex hormones and signaling
- 16:50-17:25: **Adam Antebi** (Germany): Reproductive system and the regulation of life span
- 17:25-18:00: **James M.A. Turner** (UK): Sex chromosomes
- 18.00-18.35: **Tristram Wyatt** (UK): Pheromones
- 18:35-19:05: *Short Talks selected from abstracts*

- 19:15-20:45: *Dinner*

- 20:50-21:40: *The Third Jacques E. Dumont Keynote Lecture: Michael Mancini* (USA): TBA

Chair: TBA

- 21:40: *Poster session 1*

THURSDAY 15th October 2020

Session 2: Actors in sex signaling

Chair: TBA

- 09:00-09:35: **Waljit Dhillon** (UK): Kisspeptin (EAA Lecture)
- 09:35-10:10: **Alan Herbison** (UK): The GnRH pulse generator
- 10:10-10.45: **Christa Flück** (Switzerland): Unusual sex steroids and their metabolites

- 10:45-11:10: *Coffee Break* •

- 11:10-11:45 **Nelly Pitteloud** (Switzerland): Genetic basis of disturbed GnRH function
- 11:45-12:15: *Short Talk selected from abstracts*

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

- 14.00-17:00: *Walk around Mt Ste Odile*

Session 3: Sex and brain

Chair: TBA

- 17:00-17:35: **Luis Garcia Segura** (Spain): Neurosteroids
- 17:35-18:10: **Julie Bakker** (Belgium): Sexual differentiation of the human brain
- 18:10-18:40: *Short Talk selected from abstracts*

- 18:50-20:15: *Dinner*

- 20:30-21:20: *Keynote Lecture : Robin Lovell-Badge* (UK): Mammalian sex determination

Chair: TBA

- 21:30: *Posters session 2* •

- 21:30: *Scientific Committee meeting*

FRIDAY 16th October 2020

Session 3 (continued) : Sex and brain •

- 08:30-09:05: **Ivanca Savic** (Sweden): Molecular mechanisms of sexual orientation and gender identity

- 09:05-09:40: **Bruce McEwen** (USA): Sex and stress; the adrenal axis
- 09:40-10:10: *Short Talk selected from abstracts*

- **10:10-10:40: Coffee Break**

Session 4: Sex and metabolism

Chair: TBA

- 10:40-11:15: : **Irene Miguel-Alia** (UK): Sex and metabolic disorders
- 11:15-11:50: **Sara Della Torre** (Italy): Sex-specific metabolic pathways
- 11:50-12:25: **Gian Paolo Dotto** (Switzerland): Cancer and sex-specific metabolic pathways
- **12:20-14:00: Lunch**
- 14:30-15:05: **Olavi Pelkonen** (Finland): Sex differences in effects and side-effects of drugs
- 15:05-15:40: *Short Talks selected from abstracts*

- **15:40-16:10: Coffee Break**

Session 5: Sex and gender differences in ageing

Chair: TBA

- 16:10-16:45: **Wayne Tilley** (Australia): Sex and cancer
- 16:45-17:20: **Fabio Blandini** (Italy): Sex differences, neurodegeneration and neuroprotection
- **19.00-21.00 Dinner**
- 21.00-21.45 *After-dinner talk*: : **Focko Rommerts** (Netherlands): Biochemistry of love
- 21.45: *Posters session 3*

SATURDAY 17th October 2020

Session 5: Sex and gender differences in ageing (continued)

- 09:00-09:35: **Channa Jayasena** (UK): Sexually dimorphic reproductive aging – andropause vs menopause
- 09:35-10:10: **Philippe Bouchard** (France): Hormone replacement therapy of aging women and men
- **10:10-10:40: Coffee Break** •
- 10:40-11:20: *Short Talk selected from abstracts* •
- 11:25-12:15: *Keynote Lecture* : **Eric Vilain** (USA) : How sex and gender should be taken into account when designing experimental and clinical research
Chair: TBA
- 12.15-13.30: *BUFFET LUNCH*
- 13.30: *BUS TRANSFER (from MSO to Strasbourg train station via airport)*

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