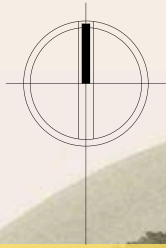


PADUA BOTANICAL GARDEN

UNIVERSITY OF PADOVA – UNESCO WORLD HERITAGE SITE

8 - 10 OCTOBER 2025



4th

INTERNATIONAL WORKSHOP ON

KLINFELTER SYNDROME

*and other supernumerary sex chromosome
aneuploidies*

**"A LIFELONG JOURNEY:
NEW ANSWERS TO OLD QUESTIONS"**

International Scientific Committee

Alberto Ferlin, Italy
Claus Gravholt, Denmark
Anders Juul, Denmark
Armin Raznahan, USA
Anne Skakkebaek, Denmark

Hanna Swaab, The Netherlands
Nicole Tartaglia, USA
Sophie van Rijn, The Netherlands
Joachim Wistuba, Germany



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INFORMATION

REGISTRATION FEES

The Registration includes **Scientific Materials, Coffee Breaks, Lunches** and **Welcome Dinner**.

€450,00 Standard Registration (*M.D.-all disciplines-, Psychologist, Biologist, Nurse*)

€250,00 Residents/Students/PhD Students

€100,00* Patients/Member of Patient Association

**This registration category does not include Scientific Materials and Welcome Dinner*

For Registration please click on the button below.

SIGN UP NOW



VENUE

Botanical Garden, University of Padova, via Orto Botanico 15, 35123 Padova. UNESCO World Heritage Site, the world's oldest University Botanical Garden in the world (1545).

HOW TO REACH PADUA BOTANICAL GARDEN

By Plane: Venice Marco Polo airport (VCE) is about 40 km far from Padua (Padova in Italian) – the city centre can be easily reached by taxi or public transport.

By Train: The railway station is close to the city centre. You can get to the Botanical Garden by bus or tram (leaving every 10 minutes from the railway station – stop n. 12-Santo).

By Car: There are parking facilities surrounding Prato della Valle.

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SCIENTIFIC PROGRAM

DAY 1 - WEDNESDAY OCTOBER 8TH

11:00-11:30 Opening and introduction

SESSION I: EPIDEMIOLOGY AND ETIOLOGY**Chairs:** *Alberto Ferlin (Italy) – Hanna Swaab (the Netherlands)*11:30-11:55 Epidemiology: do we really know the incidence and prevalence? - **TBC**11:55-12:20 At the origin of the syndrome: insight on novel genetic/molecular events in the parents - **TBC**

12:20-12:30 Golden Oral presentation 1

12:30-12:45 Discussion

12:45-14:00 Posters and lunch

SESSION II: GENOTYPE-PHENOTYPE RELATION**Chairs:** *Nicole Tartaglia (USA) – Joachim Wistuba (Germany)*14:00-14:25 Structure and features of the supernumerary X chromosome and the role of epigenetics – a stem cell perspective - **TBC**14:25-14:50 Genetic counselling in XXY, XYY and Trisomy X and parent perspectives - **TBC**

14:50-15:00 Golden Oral presentation 2

15:00-15:15 Discussion

15:15-16:00 Open Coffee break

Chair: *Anders Juul (Denmark)*15:15-15:40 Milestones and developmental trajectories in sex chromosome trisomies - *Nicole Tartaglia (USA)*

15:40-15:50 Discussion

SESSION III: WHAT REALLY HAPPENS TO TESTIS FUNCTION?**Chairs:** *Armin Raznahan (USA) – Anne Skakkebaek (Denmark)*15:50-16:15 Molecular and cellular events in the germ and somatic cells of the testis: animal models and human correlates - *Joachim Wistuba (Germany)*16:15-16:40 Testicular microvasculature and inflammation - **TBC**

16:40-16:50 Golden Oral presentation 3

16:50-17:05 Discussion

Chair: *Linda Vignozzi (Italy)*17:05-17:30 KING: the Klinefelter ItaliaN Group of the Italian Society of Andrology and Sexual Medicine (SIAMS) - **TBC**

20:00 Welcome dinner

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DAY 2 - THURSDAY OCTOBER 9TH

DEBATE I: MISSION: TO REDUCE UNDER-DIAGNOSIS

Chair: *TBC*

09:00-09:20 Is universal screening a solution? – *Claus Gravholt (Denmark)*

09:20-09:40 Knowledge, information and correct application of testing indications – *TBC*

09:40-10:00 Discussion

SESSION IV: HYPOGONADISM AND SPERMATOGENESIS

Chairs: *TBC*

10:00-10:25 When to start testosterone treatment – *TBC*

10:25-10:50 When and how to manage fertility issues – *TBC*

10:50-11:00 Golden Oral presentation 4

11:00-11:15 Discussion

11:15-12:00 **Open Coffee break**

ROUND TABLE I: ISSUES IN CLINICAL CARE PRACTICE

Chairs: *Claus Gravholt (Denmark) – TBC*

11:15-11:35 Testosterone in infants – *TBC*

11:35-11:55 Neurodevelopmental phenotypes of children with sex chromosome trisomies – *Hanna Swaab (the Netherlands)*

11:55-12:15 Transition from adolescence to adulthood – *Anders Juul (Denmark)*

12:15-12:30 Discussion

12:30-14:00 **Posters and lunch**

ORAL COMMUNICATIONS

Chairs: *Sophie Van Rijn (the Netherlands) – Armin Raznahan (USA)*

14:00-15:45 10 Oral communications 10' (7'+3')

DEBATE II: DETERMINANTS OF WELLBEING AND QUALITY OF LIFE

Chair: *Nicole Tartaglia (USA)*

15:45-16:05 Sleep disorders in children and adolescents – *TBC*

16:05-16:25 Social, psychological and relational aspects – *TBC*

16:25-16:45 Discussion

16:45-17:30 **Open Coffee break**

SESSION V: NEUROLOGIC, COGNITIVE AND PSYCHOLOGIC ISSUE

Chairs: *Anne Skakkebaek (Denmark) – Hanna Swaab (the Netherlands)*

16:45-17:10 Trajectories of speech-language development in Klinefelter syndrome and other sex chromosome aneuploidies - *TBC*

17:10-17:35 Neuropsychiatric outcomes in XXY, XYY and Trisomy X - *Armin Raznahan (USA)*

17:35-17:45 Golden Oral presentation 5

17:45-18:00 Discussion

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DAY 3 – FRIDAY OCTOBER 10TH

SESSION VI: COMORBIDITIES AND THEIR TREATMENT ACROSS THE LIFESPAN

- Chairs:** *Claus Gravholt (Denmark) – Anders Juul (Denmark)*
- 09:00-09:25 The role of TRT on cardiometabolic risk and mortality – **TBC**
- 09:25-09:50 Aging with Klinefelter syndrome and bone health – **TBC**
- 09:50-10:00 Golden Oral presentation 6
- 10:00-10:15 Discussion

ROUND TABLE II: PHENOTYPE VARIATIONS BEYOND GENETICS AND TESTOSTERONE

- Chairs:** *Sophie van Rijn (the Netherlands) – Joachim Wistuba (Germany)*
- 10:15-10:35 The transcriptome and epigenome across different tissues – **Anne Skakkebaek (Denmark)**
- 10:35-10:55 The role of familial environment in behavioral and neurocognitive phenotypes – **Sophie van Rijn (the Netherlands)**
- 10:55-11:15 The importance of the age at diagnosis and advantages of early diagnosis – **Alberto Ferlin (Italy)**
- 11:15-11:30 Discussion
- 11:30-12:00 **Open Coffee break**

CONCLUDING REMARKS

- Chair:** *Alberto Ferlin (Italy)*
- 11:30-11:50 Basic science research challenges – **TBC**
- 11:50-12:10 Clinical science research challenges – **TBC**
- 12:10-12:30 Guidelines – **Claus Gravholt (Denmark) – TBC**
- 12:30-12:45 General discussion
- 12:45-13:15 Conclusion and farewell

*TBC = To Be Confirmed



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ORGANIZING SECRETARIAT

For any further information
please contact:

THE ORGANIZING SECRETARIAT

CONGRESS  PLANNING

congressi. eventi. formazione.
business travel. incentives.

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