

## Programme

### WEDNESDAY 24 October 2018

#### 12.30 – 13.15: Registration and lunch

13.15 Welcome: **Ewa Rajpert-De Meyts**

#### 13.30 – 15.15: Pathology and epidemiology of testicular germ cell cancer

*Chairpersons: Wolter Oosterhuis and Katherine McGlynn*

13.30. **Daniel Berney** (London, UK): What is new in the latest WHO classification of testicular tumours and what else needs to be changed?

14.00. **Andreas Stang** (Essen, DE): Incidence of testicular cancer in Germany according to WHO. (short presentation)

14.15. **Ariana Znaor** (Lyon, FR): Predicting the testicular cancer incidence burden in Europe to 2035

14.45. **Jason K. Gurney** (Wellington, NZ): Unexpected features of the epidemiology of testicular cancer among different populations in New Zealand

#### 15.15-15.45: Coffee/tea break

#### 15.45 – 17.15: Genetic predisposition to testicular germ cell tumours

*Chairpersons: Peter Kanetsky and Rolf Skotheim*

15.45. **Katherine McGlynn** (Bethesda, MD, USA): International trends in the incidence of testicular cancer: are we close to an explanation of ethnic differences?

16.15. **Kate Nathanson** (Philadelphia, PA, USA): Novel testicular cancer predisposition loci begin to reveal possible mechanisms

16.45. **Maria Santa Rocca** (Padua, Italy): Association between copy number variations and risk of testicular cancer

#### 17.15-17.30: Short break

#### 17.30- 19.00: Developmental pathways implicated in the pathogenesis of human germ cell malignancy

*Chairpersons: Kate Loveland and Jason Heaney*

17.30. **Walfred Tang** (Cambridge, UK): Epigenetic dysregulation of primordial germ cells and gonocytes as a mechanism of transformation to germ cell neoplasia in situ

18.00. **Anne Jørgensen** (Copenhagen, DK): The involvement of NODAL/Activin pathway in testicular dysgenesis and dysregulation of pluripotency in human fetal germ cells

18.30. **Rod Mitchell** (Edinburgh, UK): Modelling endocrine disruption and disorders of sex development in human fetal testis

#### 19.00-21.00: Welcome reception

## Scientific Programme

9th Copenhagen Workshop on Testicular Germ Cell Cancer  
October 24-26, 2018

### THURSDAY 25 October 2018

09.00 – 10.30: Disruption of meiosis in the pathogenesis of germ cell cancer

*Chairpersons: Anne Jørgensen and Jim Amatruda*

9.00. **Ramsay J. McFarlane** (Bangor, Wales, UK): Meiosis-like functions in oncogenesis

9.30. **Aspasia Ploubidou** (Jena, Germany): Spindle misorientation in the aetiology of germ cell disorders, hypofertility and testicular germ cell cancer

10.00. **Anne Goriely** (Oxford, UK): Spermatocytic tumours: what can this rare TGCT teach us about the fundamental processes operating in the adult male germline?

#### 10.30-11.00: Coffee/tea break

11.00 - 13.00: Animal models and novel pathways implicated in the pathogenesis of germ cell cancer

*Chairpersons: Rod Mitchell and Walfred Tang*

11.00. **Jason Heaney** (Houston, TX, USA): Developmental origins and genetic risk factors of testicular germ cell tumors in mice

11.30. **Robert S. Weiss** (New York, NY, USA): A mouse model of malignant testicular cancer based on KRAS activation and PTEN inactivation

12.00. **Joanna Selfe** (London, UK): IGF1R signalling in primordial germ cells and testicular cancer

12.30. **Trine B. Haugen** (Oslo, NO): SPRY4 and SPRY4-IT1 as possible oncogenes in TGCT

#### 13.00 - 14.45: POSTER SESSION and lunch

14.45 - 16.30: Genomic and epigenetic changes in germ cell tumours

*Chairpersons: Kristian Almstrup and Kate Nathanson*

14.45. **Hubert Schorle** (Bonn, Germany): The plasticity of germ cell cancer and its dependence on the cellular microenvironment

15.30. **Leendert H. Looijenga** (Rotterdam, NL): Clinical relevance of (epi)genetic changes during reprogramming of GCNIS/seminoma to nonseminomas

16.00. **Louise Pyle** (Philadelphia, PA, USA): Genomic changes in testicular germ cell tumors revealed by genome sequencing

16.30. **Chey Loveday** (Sutton, UK) Large-scale exome sequencing study of TGCT patients and controls. (short presentation)

#### 16.45-17.15: Coffee/tea break

17.15-18.15: Immunological aspects of testicular germ cell tumours

*Chairpersons: Ewa Rajpert-De Meyts and Jonathan Shamash*

17.15. **Kate Loveland** (Clayton, VIC, AU): The contributions of cytokines to immune cell identities and functions in testicular germ cell tumours

17.45. **Michal Chovanec** (Bratislava, SK): Immune mechanisms and possible immune therapy in testicular germ cell tumours.

**FRIDAY 26 October 2018**

8.45-10.00: Paediatric germ cell tumours: special risk groups, genomics and management

*Chairpersons: Jenny Poynter and Louisa Pyle*

8.45. **Ewa Rajpert-De Meyts** (Copenhagen, Denmark): Risk of germ cell neoplasia in sex chromosome aneuploidy

9.00. **Leendert Looijenga** (Rotterdam, NL): Risk of germ cell cancer in the androgen insensitivity syndrome

9.20. **James Amatruda** (Dallas, TX, USA): Genomics of paediatric germ cell tumours.

9.50. **Lindsay Frazier** (Boston, MA, USA): The Malignant Germ Cell International Consortium: Breaking down barriers to design the clinical and scientific agenda for pediatric and adolescent/young adult GCT patients

**10.20-10.45: Coffee break**

10.45-12.35: Diagnosis of GCNIS and risk classification of overt tumours

*Chairpersons: Leendert Looijenga and Carsten Bokemeyer*

10.45. **Kristian Almstrup** (Copenhagen, DK): Detection of GCNIS in semen samples – the past, the present and the future

11.05. **Klaus-Peter Dieckmann** (Hamburg, DE): Detection of GCNIS using specific miRNA profiles

11.35. **Gedske Daugaard** (Copenhagen, DK): Risk factors predicting relapse of stage I testicular cancer undergoing surveillance

12.00. **Joerg Beyer** (Bern, CH): Risk classification in patients with disseminated disease

12.30. **Solveig Abildtrup Larsen** (Aarhus, DK): MRI with DW imaging for follow-up of patients treated for TC stage 1. (short presentation)

**12.45-13.45: POSTER SESSION and lunch**

13.45-15.30: Management of testicular cancer resistant to treatment

*Chairpersons: Gedske Daugaard and Jörg Beyer*

13.45. **Robert Hamilton** (Toronto, Canada): Surgical treatment of disseminated GCTs – what is new and why?

14.15. **Carsten Bokemeyer** (Hamburg, DE): Clinical features and current treatment of refractory germ cell tumours

14.45. **Christoph Oing** (Hamburg, DE): Molecular basis of treatment resistance and potential therapeutic targets

**15.15-15.45: Coffee break**

15.45-17.30: Management of late effects in testicular cancer survivors

*Chairpersons: Niels Jørgensen and Mikael Rørth*

15.45. **Jourik A. Gietema** (Groningen, NL): Genetic susceptibility to late effects of chemotherapy in TGCT survivors

16.15. **Mikkel Bandak** (Copenhagen, DK): Testosterone deficiency in testicular cancer survivors – current evidence and future directions

16.35. **Jakob Lauritsen** (Copenhagen, DK): Risk of cardiovascular disease in long-term survivors of testicular cancer.

16.55. **Michael Kreiberg** (Copenhagen, DK): Quality of life in long-term survivors of testicular cancer

17.20. Concluding remarks and closure

**Conference Dinner (19.00-24.00)**

## **Scientific Programme**

9th Copenhagen Workshop on Testicular Germ Cell Cancer

October 24-26, 2018

### **SATURDAY 27 October 2018**

9.00 – 13.00 **Testicular Cancer Consortium (TECAC) meeting**

(for registered members only: location, entrance 4, 7. floor, conference room 4074)