28. Summer school

Centre of Reproductive Medicine and Andrology (CeRA)

Director: Prof. Dr. rer. nat. S. Schlatt
Clinical Director: Prof. Dr. med. S. Kliesch

Organisation:
Dr. med. Jann-Frederik Cremers
PD Dr. rer. nat. Nina Neuhaus
Dr. rer. nat. Cristin Beumer
Dr. rer. nat Sandra Laurentino
Dr. rer. nat Christoph Brenker
Dr. med. Maria Schubert
PD Dr. rer. nat. Verena Nordhoff
Secretary: Ulla Rüschhoff

Basics and clinics of human reproduction -
an interdisciplinary approach

A workshop for medical students (clinical part)
and students of natural sciences

September 4th - 6th 2019

Location:
Building A6
Albert-Schweitzer-Campus 1
48149 Münster
Germany
Wednesday, 04. September 2019

12:30  Reception
12:50  Welcome and introduction (StS)

Session 1: Biology of reproduction (chairman: StS)

13:00  Development of the germ line
       Prof. Dr. rer. nat. Stefan Schlatt, CeRA, University of Münster  
13:30  Evolution of male reproductive organs
       Prof. Dr. phil. Gerhard Weinbauer, Covance Preclinical Services, Münster  
14:00  Testis and spermatogenesis
       Dr. rer. nat. Joachim Wistuba, CeRA, University of Münster  
14:30  Biology and development of the oocyte
       Dr. rer. nat. Friederike Macke, CeRA, University of Münster

15:00 – 15:30 coffee break

Session 2: Endocrinology and reproduction (chairman: JG)

15:30  Hormonal control of reproduction
       Prof. Dr. rer. nat. Jörg Gromoll, CeRA, University of Münster  
16:00  Hypogonadism in men: diagnostics and treatment
       Prof. Dr. med. Michael Zitzmann, CeRA, University of Münster

16:30 – 16:45 short break

Session 3: (Epi-)Genetics of male infertility (chairman: SL)

16:45  Genetic causes for male infertility
       Prof. Dr. med. Frank Tüttelmann, Institute of Human Genetics, University of Münster  
17:15  Epigenetics of male infertility
       Dr. rer. nat. Sandra Laurentino, CeRA, University of Münster

Session 4: Sexual differentiation (chairman: NN)

17:45  Disorders of sexual differentiation
       Prof. Dr. rer. nat. Jörg Gromoll, CeRA, University of Münster  
18:15  Klinefelter Syndrome: from animal model into clinics
       Prof. Dr. med. Michael Zitzmann & Dr. rer. nat. Joachim Wistuba, CeRA, University of Münster

Plenary lecture (chairman: StS)

18:45-19:30  Early stages of germ cell differentiation
            Prof. Dr. rer. nat. Erez Raz, Center for molecular biology of inflammation, University of Münster

Evening at your own disposal
Thursday, 05. September 2019

Session 5: Male (in-)fertility (chairman: JFC)
09:00  Diagnostics of male (in-)fertility
       Dr. med. Jann-Frederik Cremers, CeRA, University of Münster
09:30  Histopathology of the testis
       Prof. Dr. medic. Martin Bergmann, Institute of Veterinary Anatomy, Histology and Embryology, University of Gießen
10:00  Sperm function and semen analysis
       Elisabetta Baldi, PhD, Centre for Excellence for the Study at Molecular and Clinical Level of Chronic, Degenerative and Neoplastic Diseases to Develop Novel Therapies University of Florence

10:30 - 10:45 coffee break

Session 6: Female (in-)fertility – diagnostics, treatment options and therapy (chairman: VN)
10:45  Diagnostic female parameters for prognosis of female fertility
       PD Dr. med. Ulrich Alfred Knuth, Kinderwunsch Valentinshof, Hamburg
11:15  Nonsurgical treatment of female infertility
       Dr. med. Sebastian D. Schäfer, Klinik für Frauenheilkunde und Geburtshilfe, Münster
11:45  Surgical treatment of female infertility
       Dr. med. Anke Cordes, UKM Kinderwunschzentrum, Münster

12:15 - 13:15 lunch

Session 7: Therapy for male (in-)fertility (chairman: MZ)
13:15  Therapy of sexual dysfunction
       Dr. Andrea Sansone, Sapienza University of Rome (Italy)
13:45  Erectile dysfunction – diagnostics and therapy
       PD Dr.med. Thorsten Diemer, University Hospital of Giessen and Marburg (UKGM)

Session 8: Sexual (dys-)function (chairman: SK)
14:15  Nonsurgical treatment of male (in)fertility
       Prof. Dr. med. Michael Zitzmann, CeRA, University of Münster
14:45  Reconstructive andrologic surgery and sperm retrieval techniques in male infertility
       Prof. Dr. med. Sabine Kliesch, CeRA, University of Münster
15:15  Techniques for assisted reproduction
       Dr. rer. nat. Verena Nordhoff, CeRA, University of Münster

15:45 - 16:00 coffee break
Session 9: Workshops 16:00-17:30

6a) Clinical Cases
Dr. med. Jann-Frederik Cremers
Dr. med. Claudia Krallmann
Prof. Dr. med. Michael Zitzmann
Dr. med. Yousif Rassam

6b) Current technologies
16:00 Animal models for male reproduction
PD Dr. rer. nat. Jens Ehmcke, ZTE, UKM
16:30 Totipotency continuity from zygote to early blastomeres: a model under revision?
PD Dr. rer. nat. Michele Boiani, MPI, Münster
17:00 Ion channels in sperm physiology
Dr. rer. nat. Christoph Brenker, CeRA, University of Münster

17:30-17:45 coffee break

Plenary lecture (chairman: TS)
17:45-18:30 Varicoceles and male fertility – do we still care?
Dr. Marij Dinkelman-Smit, Erasmus MC, Rotterdam

19:00 Dinner with all participants and speakers at ‘Café Uferlos‘ (Bismarckallee 11, 48151 Münster, Tel.: 0251/8 37 95 36. (Dinner will be covered by the CeRA. Drinks are charged to the participants.)
Friday, 06. September 2019

Session 10: Fertility preservation (chairman: NN)

09:00 Clinical aspects of male fertility preservation: best practice
Dr. med. Maria Schubert, CeRA, University of Münster

09:30 Experimental approaches for fertility preservation in boys
PD Dr. rer. nat. Nina Neuhaus, CeRA, University of Münster

10:00 Fertility preservation in the female
Dr. rer. nat. Dunja Baston-Büst, Unikid, Düsseldorf

10:30-10:45 coffee break

Session 11: Transgender patients (chairman: JW)

10:45 Fertility protection in trans women in Germany
Dr. med. Florian Schneider, CeRA, University of Münster

11:15 Diagnosis, therapy and supervision of trans individuals during the gender confirming process
Laura Kürbitz, M.Sc., Center for Psychosocial Medicine, University Medical Center Hamburg-Eppendorf

11:45 Long-term effects of hormone therapy on psychological development and the desire to have children among trans adolescents.
Dipl.-Psych. Inga Becker-Hebly PhD

Plenary lecture (chairman: StS)

12:15 Which legal boundaries of reproductive medicine can be justified
Prof. Dr. Thomas Gutmann, University of Münster

13:00 Exam (EAA)

13:30 Lunch and Farewell

[14:30-18:30 "Spermiogrammkurs" for GeSRU members & Wahlpflichtstudenten]
Please fill in the registration form below and send it via email to:

Ursula.Rueschhoff@ukmuenster.de
Ulla Rüschhoff
Centrum für Reproduktionsmedizin und Andrologie
Institut für Reproduktions- und Regenerationsbiologie
Albert-Schweitzer-Campus 1, Geb. D 11
48149 Münster

Please remit the registration fee of **50,- € for students/ 100,- € for non-students** to the following account. **Please do not fail to mention the reference „project No. 98 707 58 CeRA account“ as otherwise your payment cannot be assigned.**

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Please avoid collective bank transfers to facilitate assignment of your payment (only one bank transfer per registration). Unfortunately, we can only accept a maximum number of 40 participants; the date of payment is decisive for the assignment of participants.

Please note: Medical students have the opportunity to attend the Wahlfach „Andrologie und Reproduktionsmedizin“ by combining the summer academy with the in-house "Spermatologie-Kurs".

The registration fee comprises whole-day catering.

Accommodation in Münster:
http://www.muenster.de/stadt/tourismus/hotels.html

Please find further information on the Centre of Reproductive Medicine and Andrology on our homepage:
https://www.medizin.uni-muenster.de/centrum-fuer-reproduktionsmedizin-und-andrologie/
http://cera.ukmuenster.de/

The dinner on Thursday, September 5th. is taking place at:
http://www.uferlos-muenster.de/
Registration Summer School CeRA September 4th - 6th 2019

Participant:

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Please return until August 12th via Email to:

Ursula.Rueschhoff@ukmuenster.de

World Health Organization
WHO-Kooperationszentrum für Forschung in männlicher Reproduktion

Ausbildungszentrum der Europäischen Akademie für Andrologie

EUROPEAN ACADEMY OF ANDROLOGY