

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 Rüschoff

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 Rüschoff

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.

Bank name:	Deutsche Bank Münster
Account owner:	Universitätsklinikum Münster
IBAN:	DE42400700800013884200
BIC:	DEUTDE3B400

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:

Name	
First name	
E-Mail	
University	
Department	
Address	

Please return until August 12th via Email to:

Ursula.Rueschhoff@ukmuenster.de



World Health Organization

WHO-Kooperationszentrum für
Forschung in männlicher Reproduktion



**EUROPEAN ACADEMY OF
ANDROLOGY**

Ausbildungszentrum der Europäischen
Akademie für Andrologie