

26. Summer school



Centre of Reproductive Medicine and Andrology (CeRA)

Director: Prof. Dr. S. Schlatt

Clinical director: Prof. Dr. S. Kliesch

Organisation:

Dr. rer. nat. Nina Neuhaus

Dr. med. Jann-Frederik Cremers

PD Dr. rer. nat. Verena Nordhoff

Dr. rer. nat. Sandra Laurentino

Cristin Brand, MSc

Laura Heckmann, MSc

Secretary: Ulla Rüschoff

Basics and clinics of human reproduction

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an interdisciplinary approach

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

September 11th – 13th, 2017

location:

Library of the
Centre of Reproductive Medicine and Andrology
Albert-Schweitzer-Campus 1
Building Domagkstr. 11
48149 Münster
Germany

Monday, 11th September 2017

12:30 Reception

12:50 Welcome and introduction (StS)

BLOCK 1: Biology of Reproduction (Chairman: StS)

13:00 Development of the germline

Prof. Dr. rer. nat. Stefan Schlatt, CeRA

13:30 Biology and function of male reproductive organs

PD Dr. rer. nat. Jens Ehmcke, ZTE Münster

14:00 Testis and Spermatogenesis

Dr. rer. nat. Joachim Wistuba, CeRA

14:30 Ovary and oogenesis

Dr. rer. nat. Friederike Macke, CeRA

15:00-15:15 coffee break

Plenary Lecture 1 (Chairman:JW)

15:15-16:00 Sperm competition

Steven Ramm, University Bielefeld

BLOCK 2: Endocrinology and Reproduction (Chairman: JG)

16:00 Hormonal control of reproduction

Prof. Dr. rer. nat. Jörg Gromoll, CeRA

16:30 Steroids – Actions, therapy and abuse

Prof. Dr. med. Michael Zitzmann, CeRA

17:00 Disorders of sexual differentiation

Dr. med. Julia Rohayem, CeRA

17:30-17:45 short break

BLOCK 3: Genetics and Epigenetics of Male Infertility (Chairman: SL)

17:45 Genetic diagnostics of male infertility

Prof. Dr. med. Sabine Kliesch, CeRA

18:15 Epigenetics of male infertility

Dr. rer. nat. Sandra Laurentino, CeRA

Plenary Lecture 2 (Chairman: StS)

18:45-19:30 New insights in Klinefelter Syndrome

Prof. Dr. med. Anders Juul, Rigshospitalet Copenhagen, Denmark

19:30 Wine and quiche

Tuesday, 12th September 2017

BLOCK 4: Male and female (in)fertility - diagnostics (Chairman: JFC)

- 09:00 **Diagnostic female parameters for prognosis of female fertility**
PD Dr. med. Ulrich Alfred Knuth, Endokrinologikum, Hamburg
- 09:30 **Male Fertility: Diagnostics**
Dr. med. Jann-Frederik Cremers, CeRA
- 10:00 **Histopathology of the testes**
Prof. Dr. medic. Martin Bergmann, University Gießen
- 10:30 **Sperm Function and Semen Analysis**
Prof. Dr. rer. nat. Timo Strünker, CeRA

11:00-11:15 *coffee break*

BLOCK 5: Male and Female (in)fertility – treatment options and therapy (Chairman: VN)

- 11:15 **Nonsurgical treatment of female infertility**
Mohammed Ibrahim, UKM Kinderwunschzentrum Münster
- 11:45 **Surgical treatment of female infertility**
PD Dr. med. Andreas Schüring, UKM Kinderwunschzentrum Münster

12:15-13:15 *lunch*

- 13:15 **Nonsurgical treatment of male infertility**
Prof. Dr. med. Michael Zitzmann, CeRA
- 13:45 **Surgical interventions in andrology**
Prof. Dr. med. Sabine Kliesch, CeRA

BLOCK 6: Workshops 14:30-16:00

6a) Clinical cases

- 14:30 Clinicians of CeRA:
Prof. Dr. med. Michael Zitzmann
Dr. med. Jann Frederik Cremers
Dr. med. Alexander Sahi
Dr. med. Maria Schubert
Dr. med. Claudia Krallmann

6b) Current technologies

- 14:30 **Raman Microspectroscopy**
Raul da Costa, CeRA
- 15:00 **CRISPR/Cas9 in germ cells**
Prof. Dr. rer. nat. Hubert Schorle,
Institute of Pathology, Bonn
- 15:30 **Ion channels in sperm physiology**
Dr. rer. nat. Christoph Brenker, CeRA

16:00-16:15 *coffee break*

BLOCK 7: Embryology and ART (Chairman: VN)

- 16:15 **Techniques for assisted reproduction**
PD Dr. rer. nat. Verena Nordhoff, CeRA
- 16:45 **The preimplantation embryo in vitro: can we do better than Nature?**
PD Dr. rer. nat. Michele Boiani, Max Planck Institute for Molecular Biomedicine
Münster

Plenary Lecture 3 (Chairman: JG)

- 17:15-18:00 **DNA damage response in early embryos**
Prof. Dr. Satish Adiga, Manipal University, India
- 19:00 **Dinner** with all participants and speakers at ‚Café Uferlos‘,
Bismarckallee 11, 48151 Münster, Tel.: 0251/8 37 95 36.

Wednesday, 13th September 2017

BLOCK 8: Fertility preservation (Chairman: MZ)

- 09:00 **Clinical aspects of male fertility preservation: Who? When? Why?**
Dr. med. Maria Schubert, CeRA
- 09:30 **Fertility preservation in adolescents with conditions impairing reproductive health**
Dr. med. Julia Rohayem, CeRA
- 10:00 **Experimental approaches for fertility preservation**
Dr. rer. nat. Nina Neuhaus, CeRA

10:30-11:00 coffee break

Block 9: Sexual dysfunction (Chairman: SK)

- 11:00 **Erectile Dysfunction**
Prof. Dr. med. Hermann van Ahlen, Städt. Klinik Osnabrück
- 11:30 **Peyronie's Disease: Diagnosis and Therapy**
Dr. med. Alexander Sahi, CeRA
- 12:00 **Sexual medicine and couple therapy**
Prof. Dr. med. Giovanni Corona, Maggiore-Bellaria Hospital, Bologna, Italy

12:30-13:30 lunch break

Block 10: Moral dilemmas in ART & national differences (India, Germany) (Chairman: StS)

- 13:30 **Short presentations**
(Prof. Dr. Satish Adiga, Manipal University, India
and Prof. Dr. med. Jan-Steffen Krüssel, University Düsseldorf)
- 14:30 **Distribution of certificates and farewell coffee**

Please fill in the registration form and send it either by mail or by fax to:

Ulla Rüschoff
Centrum für Reproduktionsmedizin und Andrologie
Institut für Reproduktions- und Regenerationsbiologie
Albert-Schweitzer-Campus 1, Geb. D 11
48149 Münster
Fax (+49) 251 83 54800

Please remit the registration fee of 50€ to the following account, indicating

„project No. 98 707 58 CeRA-Konto“

Please do not fail to mention this reference 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.

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:

<http://repro.klinikum.uni-muenster.de/>

The dinner on Thursday, 12th September is taking place at:

<http://www.uferlos-muenster.de/>

Registration Summer School CeRA 11.-13. September 2017

Participant:

Name	
First name	
E-Mail	
University	
Department	
Adress	

Please return until August 11th by Email to:

**Ulla Rüschoff
Centrum für Reproduktionsmedizin und Andrologie (CeRA)
Institut für Reproduktions- und Regenerationsbiologie
Domagkstr. 11
48149 Münster
Email: ursula.rueschhoff@ukmuenster.de**



World Health Organization
WHO-Kooperationszentrum für
Forschung in männlicher Reproduktion



Ausbildungszentrum der Europäischen
Akademie für Andrologie