

32nd Summer Academy

Centre of Reproductive Medicine and
Andrology

EAA Training Centre Münster, Germany

Director: Prof. Dr. rer. nat. S. Schlatt; Chief Clinician: Prof. Dr. med. S. Kliesch

Organisation: Dr. med. Simone Bier; Dr. rer. nat. Christoph Brenker; Dr. med. Jann-Frederik Cremers, Dr. rer. nat. Sara Di Persio, Dr. rer. nat. Sandra Laurentino, Priv.-Doz. Dr. rer. nat. Nina Neuhaus, Priv.-Doz. Dr. rer. nat. Verena Nordhoff, Dr. med. Maria Schubert;

Office: Ulla Rüschoff

Basics and clinics of human reproduction – an interdisciplinary approach

Workshop for students of biology and biochemistry, clinical and veterinary medicine, and postdocs in medicine and natural sciences

– an Educational Course of the CeRA, certified by the European Academy of Andrology (EAA)

25 - 29 September 2023

Location: CeRA Library

Albert-Schweitzer-Campus 1, Building D11, 48149 Münster

Including seminar series „*Human Reproduction: Researching the Secrets of Life*“

(4 invited plenaries Mo-Thu at lunchtime, on-site and online)

and minisymposium “Milestones of Andrology: from Androgens to Sperm”

(Friday: Park Academy)

MONDAY, 25 SEPTEMBER 2023

INTRODUCTION 13:00-13:05	Prof. Dr. rer. nat. S. Schlatt Prof. Dr. med. S. Kliesch	
PLENARY 13:05-13:50	The sperm-egg interaction: recognition, cell fusion and polyspermy block	Enrica Bianchi, Ph.D., Wellcome Sanger Institute, UK
SESSION 1 14:00-15:30	Germline and male reproduction	Chair: Prof. Dr. rer. nat. Stefan Schlatt, CeRA, University Münster
14:00-14:30	Biology of the germline	Prof. Dr. rer. nat. Stefan Schlatt, CeRA, University Münster
14:30-15:00	Comparative anatomy and cell biology of reproductive organs	Priv.-Doz. Dr. rer. nat. Jens Ehmcke, ZTE, University Münster
15:00-15:30	Long-standing notions in embryo biology revisited: the cases of zona pellucida and animal pole in mice	Priv.-Doz. Dr. rer. nat. Michele Boiani, MPI for Molecular Biomedicine, Münster
BREAK 30 MINUTES		
SESSION 2 16:00-17:30	Gameteogenesis and hormonal control of reproduction	Chair: Prof. Dr. rer. nat. Jörg Gromoll, CeRA, University Münster
16:00-16:30	Ovary and oogenesis	Dr. rer. nat. Katharina Fechtmann, CeRA, University Münster
16:30-17:00	Testis and spermatogenesis	Dr. rer. nat. Joachim Wistuba, CeRA, University Münster

17:00-17:30

Hormonal control of
reproduction

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

TUESDAY, 26 SEPTEMBER 2023

PLENARY 13:00-13:50	Ethical and legal limitations in Reproductive Medicine	Prof. Dr. Thomas Gutmann, Rechtswissenschaftliche Fakultät, WWU Münster
SESSION 3 14:00-15:30	Diagnostics in reproductive medicine	Chair: Dr. med. Maria Schubert, CeRA, University Münster
14:00-14:30	Diagnostics in the male	Dr. med. Bettina Scheffer, CeRA, University Münster
14:30-15:00	Diagnostics in the female	Prof. Dr. med. Barbara Sonntag, Facharztzentrum für Kinderwunsch, Pränatale Medizin, Endokrinologie und Osteologie, Hamburg
15:00-15:30	Semen analysis: Relevance for reproductive medicine	Dr. med. Maria Schubert, CeRA, University Münster
BREAK 30 MINUTES		
SESSION 4 16:00-17:30	Genetics of Reproduction	Chair: Dr. rer. nat. Sandra Laurentino, CeRA, University Münster
16:00-16:30	Genetics of infertility: Diagnostics and counselling	Prof. Dr. med. Frank Tüttelmann, IRG, University Münster
16:30-17:00	Gene regulation of male (in)fertility	Dr. rer. nat. Sara di Persio, CeRA, University Münster



17:00-17:30

**Epi-Genetics in
reproductive ageing**

**Dr. rer. nat.
Sandra Laurentino,
CeRA,
University Münster**



WEDNESDAY, 27 SEPTEMBER 2023

PLENARY 13:00-13:50	The German IVF Registry – What can we learn from data collection?	Dr. med. Andreas Tandler-Schneider, Fertility Center Berlin
SESSION 5 14:00-15:30	Male reproduction	Chair: Prof. Dr. med. Sabine Kliesch, CeRA, University Münster
14:00-14:30	Treatment of male endocrine disorders	Prof. Dr. med. Michael Zitzmann, CeRA, University Münster
14:30-15:00	Diagnostics and treatment of erectile dysfunction	Dr. med. Jann F. Cremers, CeRA, University Münster
15:00-15:30	Medical and surgical treatment of male infertility	Prof. Dr. med. Sabine Kliesch, CeRA, University Münster
BREAK 30 MINUTES		
SESSION 6 16:00-17:30	Couple Infertility	Chair: Priv. Doz. Dr. rer. nat. Verena Nordhoff
16:00-16:30	Treatment of the infertile female	PD Dr. med. Ulrich Alfred Knuth, Kinderwunschzentrum Hamburg
16:30-17:00	Medical assisted reproduction	Dr. rer. nat. Tim Pock, CeRA
17:00-17:30	Treatment impact on sexual wellbeing	Andrea Sansone, Ph.D., University of Rome (EAA)

THURSDAY, 28 SEPTEMBER 2023

PLENARY 13:00-13:50	Paternal preconceptional health – impact on fertility, pregnancy outcome and the offspring	Prof. Dr. Aleksander Giwercman, Lund University, Sweden
SESSION 7 14:00-15:30	Puberty and Adolescence	Chair: Dr. med. Dr. rer. nat. Alexander Busch, Children´s Hospital, UKM
14:00-14:30	Minpuberty	Dr. med. Dr. rer. nat. Alexander Busch, Pediatric Unit, University Hospital Münster
14:30-15:00	Youth andrology: Disorders in adolescence	Priv. Doz. Dr. med. Julia Rohayem, Children´s Hospital of Eastern Switzerland
15:00-15:30	Transgender Medicine in adolescence	Prof. Dr. med. Georg Romer, Children Psychiatry, University Hospital Münster
BREAK 30 MINUTES		
SESSION 8 16:00-17:30	Fertility Preservation	Chair: Priv. Doz. Dr. rer. nat. Nina Neuhaus, CeRA, University Münster
16:00-16:30	Fertility preservation in the female	Prof. Michael von Wolff, Bern, Switzerland
16:30-17:00	Fertility preservation in the male	Dr. med. Simone Bier, CeRA, University Münster
17:00-17:30	Experimental options for fertility preservation	Priv. Doz. Dr. rer. nat. Nina Neuhaus, CeRA, University Münster

Course Semen analysis: theory Friday, 08:00-9:15 and practical part 16:30h-19:00 at CeRA



FRIDAY, 29 SEPTEMBER 2023
**“MILESTONES IN ANDROLOGY: FROM ANDROGENS
TO SPERM”**

9:30-10:00	<p>Welcome message “From where we come and where we go”</p>	<p>Prof. Dr. rer. nat. Stefan Schlatt / Prof. Dr. med. Sabine Kliesch, CeRA</p>
10:00-10:15	<p>Session I: Sperms and Spermatology</p> <p>History and Status of Spermatology and QuaDeGA</p>	<p>Barbara Hellenkemper, CeRA</p>
10:15-10:45	<p>Spermatozoa: Exciting Breakthroughs on channels and motility</p>	<p>Prof. Dr. rer. nat. Timo Strünker, CeRA</p>
10:45-11:00	Coffee	
11:00-12:15	<p>Session II: Hormones and development</p>	
11:00-11:15	<p>Endocrinology and Andrology: From hormones to genes</p>	<p>Prof. Dr. rer. nat. Jörg Gromoll, CeRA/ Prof. Dr. med. Frank Tüttelmann, IRG</p>
11:15-11:30	<p>A new perspective: from Andrology to Reproductive Health</p>	<p>Dr. med. Maria Schubert, CeRA</p>
11:30-11:45	<p>Evolution of the Research Laboratory</p>	<p>Reinhild Sandhowe- Klawerkamp / Joachim Esselmann, CeRA</p>
11:45-12:15	<p>QuaDeGA: Quality control in andrology</p>	<p>Prof. Dr. med. Hermann Behre, University Halle/Münster</p>

12:15-13:00	Lunch	
13:00-14:15	Session III: Male Fertility	
13:00-13:15	My Life with (non-human) primates	Prof. Dr.phil. Gerhard Weinbauer
13:15-13:30	Male contraception: The WHO story	Prof. Dr. med. Michael Zitzmann, CeRA, University Münster
13:30-13:45	Care for the infertile male – future perspectives	Prof. Dr. med. Sabine Kliesch, CeRA
13:45-14:00	Stem cells – the future in Andrology?	Prof. Dr. rer.nat. Stefan Schlatt / Nina Neuhaus, CeRA
14:00-14:30	Break	
14:30-15:45	Andrology in Europe	
14:30-15:00	30 years of EAA	Prof. Ewa Raijpert-De Meyts, MD, Copenhagen University, Denmark
15:00-15:30	An Editors View on the Future of Andrology in Europe	Prof. Aleksander Giwercman, MD, Lund University, Sweden
15:30-15:45	Closing Ceremony	Prof. Dr. rer. nat. Stefan Schlatt / Prof. Dr. med. Sabine Kliesch, CeRA / Prof. em. Dr. med. Dr. h.c. Eberhard Nieschlag
16:00	Farewell	Nieschlag



Please use the attached form for registration and send it by E-mail to:

Ursula.rueschhoff@ukmuenster.de

Office Adress:

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Centrum für Reproduktionsmedizin und Andrologie
Institut für Reproduktions- und Regenerationsbiologie
Albert-Schweitzer-Campus 1, Geb. D 11
48149 Münster**

The registration fee for national and international participants is 100 EUR.

Students of the WWU can join free of charge.

Please transmit the registration fee of 100 € to the following account:

IBAN: DE42400700800013884200

BIC: DEUTDE3B400

Account owner: Universitätsklinikum Münster

Please be sure to specify: “*Project 98 70758 CeRA account*” as otherwise your payment cannot be assigned.

Registration Summer Academy CeRA September 25 – 29, 2023

Participant:

Last name	
First name	
E-Mail	
University	
Institution/ Department	
Adress	
Paricipant for „Wahlpflichtfach“ of the medical faculty Münster. (Participation on-site)	Matrikel Nr: <input type="checkbox"/>

Please return completed form to:

Ulla Rüschoff: Ursula.Rueschhoff@ukmuenster.de