

# 32<sup>nd</sup> 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

(Online-)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)

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

(Friday: Park Academy)

## MONDAY, 25 SEPTEMBER 2023

<b>INTRODUCTION</b> 13:00-13:05	Prof. Dr. rer. nat. S. Schlatt Prof. Dr. med. S. Kliesch	
<b>PLENARY</b> 13:05-13:50	<b>The sperm-egg interaction: recognition, cell fusion and polyspermy block</b>	Enrica Bianchi, Ph.D., Wellcome Sanger Institute, UK
<b>SESSION 1</b> 14:00-15:30	<b>Germline and male reproduction</b>	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
<b>BREAK 30 MINUTES</b>		
<b>SESSION 2</b> 16:00-17:30	<b>Gameteogenesis and hormonal control of reproduction</b>	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

<b>PLENARY</b> 13:00-13:50	<b>Ethical and legal limitations in Reproductive Medicine</b>	Prof. Dr. Thomas Gutmann, Rechtswissenschaftliche Fakultät, WWU Münster
<b>SESSION 3</b> 14:00-15:30	<b>Diagnostics in reproductive medicine</b>	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
<b>BREAK 30 MINUTES</b>		
<b>SESSION 4</b> 16:00-17:30	<b>Genetics of Reproduction</b>	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

<b>PLENARY</b> 13:00-13:50	<b>The German IVF Register – What can we learn from data collection</b>	Dr. med. Andreas Tandler-Schneider, Fertility Center Berlin
<b>SESSION 5</b> 14:00-15:30	<b>Male reproduction</b>	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		
<b>SESSION 6</b> 16:00-17:30	<b>Couple Infertility</b>	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

<b>PLENARY</b> 13:00-13:50	<b>Paternal preconceptional health – impact on fertility, pregnancy outcome and the offspring</b>	Prof. Dr. Aleksander Giwercman, Lund University, Sweden
<b>SESSION 7</b> 14:00-15:30	<b>Puberty and Adolescence</b>	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		
<b>SESSION 8</b> 16:00-17:30	<b>Fertility Preservation</b>	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	Welcome message “From where we come and where we go”	Prof. Dr. rer. nat. Stefan Schlatt / Prof. Dr. med. Sabine Kliesch, CeRA
	Session I: Sperms and Spermatology	
10:00-10:15	History and Status of Spermatology and QuaDeGA	Barbara Hellenkemper, CeRA
10:15-10:45	<b>Spermatozoa: Exciting Breakthroughs on channels and motility</b>	Prof. Dr. rer. nat. Timo Strünker, CeRA
10:45-11:00	Coffee	
11:00-12:15	Session II: Hormones and development	
11:00-11:15	Endocrinology and Andrology: From hormones to genes	Prof. Dr. rer. nat. Jörg Gromoll, CeRA/ Prof. Dr. med. Frank Tüttelmann, IRG
11:15-11:30	A new perspective: from Andrology to Reproductive Health	Dr. med. Maria Schubert, CeRA
11:30-11:45	Evolution of the Research Laboratory	Reinhild Sandhowe- Klawerkamp / Joachim Esselmann, CeRA
11:45-12:15	<b>QuaDeGA: Quality control in andrology</b>	Prof. Dr. med. Hermann Behre, University Halle/Münster

12:15-13:00	Lunch	
<b>13:00-14:15</b>	<b>Session III: Male Fertility</b>	
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	<b>Andrology in Europe</b>	
14:30-15:00	<b>30 years of EAA</b>	Prof. Ewa Raijper-De Meyts, MD, Copenhagen University, Denmark
15:00-15:30	<b>An Editors View on the Future of Andrology in Europe</b>	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	



Registration by E-mail: **Ursula.Rueschhoff@ukmuenster.de**

**Office Adress:**

**Ulla Rüschoff**

**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. Please send an Email for registration.

Students of the WWU have options to join free of charge and to obtain credit points for their study programs in Biology and Medicine. If you register as a regular WWU student, please use the form on the next page. The number of registrations for students is limited. Decision is made „first come, first serve“.



**Registration Summer Academy CeRA September 25 – 29, 2023**

**Participant:**

<b>Last name</b>	
<b>First name</b>	
<b>E-Mail</b>	
<b>University</b>	
<b>Institution/ Department</b>	
<b>Adress</b>	
<b>Participant for „Wahlpflichtfach“ of the medical faculty Münster. (Participation on-site)</b>	<b>Matrikel Nr:</b> <input type="checkbox"/>
<b>Participant for „Modul FB 13“ of the WWU.</b>	<b>Matrikel Nr:</b> <input type="checkbox"/>

Please return completed form to:

Ulla Rüschoff: [Ursula.Rueschhoff@ukmuenster.de](mailto:Ursula.Rueschhoff@ukmuenster.de)