



30th 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. rer. nat. Christoph Brenker; Dr. med. Maria Schubert; Priv.-Doz. Dr. rer. nat. Nina Neuhaus, Dr. med. Jann-Frederik Cremers; Priv.-Doz. Dr. rer. nat. Verena Nordhoff, Dr. rer. nat. Sandra Laurentino,
Secretary: Ursula 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)

23.-27. August 2021

Location: Central Lecture Hall of the Medical Faculty (and ZOOM-Conference)

Albert-Schweitzer-Campus 1, 48149 Münster

Including seminar series (5 invited plenaries) „*Fascinating Aspects of Human Reproduction*“

MONDAY, 23 AUGUST 2021

SESSION 1 - 14:00-15:30	Germline and Male Reproduction	CHAIR: Stefan SCHLATT
	Biology of the germline	Prof. Dr. rer. nat. Stefan Schlatt, CeRA, University Münster
	Comparative anatomy and cell biology of reproductive organs	Priv.-Doz. Dr. rer. nat. Jens Ehmcke, ZTE, University Münster
	Totipotency in early embryonic development	Priv.-Doz. Dr. rer. nat. Michele Boiani, MPI for Molecular Biomedicine, Münster
BREAK 15 MINUTES		
SESSION 2 - 15.45-17:15	Gameteogenesis and Hormonal Control of Reproduction	CHAIR: Jörg GROMOLL
	Ovary and oogenesis	Dr. rer. nat. Friederike Macke, CeRA, University Münster
	Testis and spermatogenesis	Dr. rer. nat. Joachim Wistuba, CeRA, University Münster
	Hormonal control of reproduction	Prof. Dr. rer. nat. Jörg Gromoll, CeRA, University Münster
BREAK 15 MINUTES		
PLENARY - 17.30- 18.15 UHR	The importance of stem cells for human reproduction	Prof. Dr. Susana Chuva de Sousa Lopes, Dept. of Anatomy and Embryology, Leiden University Medical Center, Netherlands

TUESDAY, 24 AUGUST 2021

SESSION 3 - 14:00-15.30	Diagnostics in reproductive Medicine	CHAIR: Maria SCHUBERT
	The infertile couple: Diagnostics in the male	Dr. med. Maria Schubert, CeRA, University Münster
	The infertile couple: Diagnostics in the female	PD Dr. med. Ulrich A. Knuth, IVF Center Valentinshof, Hamburg
	Genetic diagnostics and counselling in the infertile couple	Prof. Dr. med. Frank Tüttelmann, IRG, University Münster
BREAK 15 MINUTES		
SESSION 4 - 15.45-17.15	Research into (epi-) Genetics of Reproduction	CHAIR: Sandra LAURENTINO
	Environmental effects on sperm epigenetics	Prof. Sarah Kimmins, McGill Centre for the Study of Reproduction, Quebec, Canada
	Epigenetics of male infertility	Dr. rer. nat. Sara Persio, CeRA, University Münster
	Genomic control of puberty	Alexander Busch, Department of Growth and Reproduction, Rigshospitalet, Copenhagen, Denmark
BREAK 15 MINUTES		
PLENARY - 17.30- 18.15 UHR	Kisspeptin, KNDy, and the new neuroendocrinology of reproduction	Prof. Richard Anderson, MRC Centre for Reproductive Health, University of Edinburgh, UK

WEDNESDAY, 25 AUGUST 2021

SESSION 5 - 14:00-15:30	Therapeutics in Reproductive Medicine	CHAIR: Sabine KLIESCH
	Treatment of hormonal disorders	Prof. Dr. med. Michael Zitzmann, CeRA, University Münster
	Treatment of female infertility	Prof. Dr. med. Hermann Behre, UFK, University Münster
	Treatment of male infertility	Prof. Dr. med. Sabine Kliesch, CeRA, University Münster
BREAK 15 MINUTES		
SESSION 6 - 15:45-17:15	SPERM BIOLOGY	CHAIR: Christoph BRENKER
	Spermatozoa: A highly specialized cell	Dr. rer. nat. Christoph Brenker, CeRA, University Münster
	Sperm physiology: How ion channels control fertilization?	Prof. Dr. rer. nat. Timo Strünker, CeRA, University Münster
	Sperm tests: How to select sperm for ART?	Dr. rer. nat. Raul da Costa, CeRA, University Münster
BREAK 15 MINUTES		
PLENARY - 17:30- 18:15	Embryogenesis <i>in vivo</i> and <i>in vitro</i>	Prof. Nicolas Rivron , Institute of Molecular Biotechnology of the Austrian Academy of Sciences, Vienna, Austria

THURSDAY, 26 AUGUST 2021

SESSION 7 - 14:00-15:30	FERTILITY PRESERVATION	CHAIR: Nina NEUHAUS
	Fertility preservation in the female	Dr. rer. nat. Dunja Baston-Büst, Unikid, Düsseldorf
	Fertility preservation: clinical aspects	Dr. med. Simone Bier, CeRA, University Münster
	Experimental options for fertility preservation	PD Dr. rer. nat. Nina Neuhaus, CeRA, University Münster
BREAK 15 MINUTES		
SESSION 8 - 15:45-17:15	ASSISTED FERTILIZATION	CHAIR: Verena NORDHOFF
	The infertile couple's journey to have a child	Prof. Dr. med. Christian De Geyter, Universitätsspital Basel, Schweiz
	Refinement and Research into IVF, ICSI and other ART procedures	PD Dr. rer. nat. Verena Nordhoff, CeRA, University Münster
	Ethical borders of reproductive medicine	Prof. Dr. jur. Thomas Gutmann, Faculty for Law, WWU Münster
BREAK 15 MINUTES		
PLENARY - 17:30- 18:15	Fertility preservation in boys: Where are we going next?	Prof. Nathalie Rives , Department of Reproductive Biology-CECOS, Rouen University Hospital, France

FRIDAY, 27 AUGUST 2021

SESSION 9 - 14:00-15:30	Developmental aspects in andrology	CHAIR: Julia ROHAYEM
	The young male patient	PD Dr. med. Julia Rohayem, CeRA, University Münster
	The ageing male	Dr. rer. nat. Sandra Laurentino, CeRA, University Münster
	Research in Klinefelter Syndrome: from mice to men	Prof. Dr. med. Michael Zitzmann and Dr. Joachim Wistuba, CeRA, University Münster
BREAK 15 MINUTES		
SESSION 10 - 15:45-17:15	UPDATE IN ANDROLOGICAL TREATMENTS	CHAIR: Jann-F. CREMERS
	Prostatitis and other infectious diseases in the male genital tract	PD Dr. med. Giuseppe Magistro, Department of Urology, University Munich
	Erectile dysfunction	Prof. Dr. med. Hermann van Ahlen, Städt. Klinik Osnabrück
	Surgical treatment in patients with erectile dysfunction and/or Peyronie's disease	Dr. med. Jann-Frederik Cremers, CeRA, Universität Münster
BREAK 15 MINUTES		
PLENARY - 17:30-18:15	Transgender Medicine: Insights from science and needs to improve patient care	Prof. Dr. Guy T'Sjoen , Department of Endocrinology, Ghent University Hospital and Center for Sexology and Gender, Belgium

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

Address of Organization

Ursula 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 50 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 August 23rd-27th 2021

Participant:

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

Please return completed form to:

Ulla Rüschoff: Ursula.Rueschhoff@ukmuenster.de