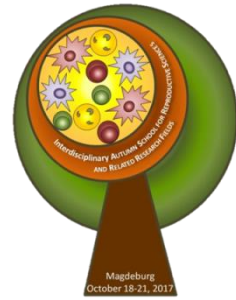


Interdisciplinary Autumn School for Reproductive Sciences and related Research Fields

18th – 21st October 2017

Herrenkrug Park Hotel, Magdeburg



Wednesday, 18th October 2017

- 15:00 Arrival and registration
- 17:00 Welcome
- 17:30 **Prof. Gil Mor** (Keynote lecture), Yale University, USA
“Pregnancy: A unique immunologic and microbial condition”
- 18:30 Speed dating
- 19:30 Dinner and “Get Together”

Thursday, 19th October 2017

Session 1: Placental development in normal and pathologic pregnancy

Chairs: Prof. Gil Mor, Dr. Nicole Meyer

- 08:00 **Prof. Berthold Huppertz**, Medical University of Graz, Austria
“Placenta and Preeclampsia: data versus belief – guess what is stronger?”
- 08:40 **Prof. Jürgen Pollheimer**, Medical University of Vienna, Austria
“The role of the invasive extravillous trophoblast during early human placentation”
- 09:20 **O1: Desiree Forstner**, Medical University of Graz, Austria
“Influence of platelet-derived factors on the villous trophoblast”
- 09:35 Coffee break

Session 2: Immune cells and fetal tolerance induction

Chairs: Prof. Margaret Petroff, Dr. Mandy Busse

- 09:55 **Dr. David Sharkey**, University of Adelaide, Australia
“The role of male seminal fluid in priming the female immune system for pregnancy”
- 10:35 **Dr. Nicole Meyer**, Experimental Obstetrics and Gynecology, Germany
“Role of natural killer cells and mast cells for reproductive processes”
- 11:15 **Prof. Andrea Steinborn-Kröhl**, University of Heidelberg, Germany
“The role of regulatory T-cells (Tregs) for tolerance induction during pregnancy”
- 11:55 **Prof. Marijke Faas**, University of Groningen, Netherlands
“Sex differences in immune responses”
- 12:35 **O2: Iva Filipovic**, University of Cambridge, United Kingdom
“Ontogeny, cell identity and function of uterine group 1 innate lymphoid cells”
- 12:50 Lunch
- 14:00 Theoretical introduction in the laboratory methods
- 15:00 **Practical demonstration of the laboratory methods**
 (A) Visual demonstration of fetal development using ultrasound
 (B) Isolation of sperms and oocytes followed by *in vitro* fertilization
- 18:00 “Q&A” Session
- 19:00 Poster-Party (in the Herrenkrug Park Hotel)

Friday, 20th October 2017

Session 3: Reproductive sciences: From bench to bedside

Charis: Prof. Ralf Dechend, Priv.-Doz. Dr. Stefan Fest

08:00 **Prof. Serban-Dan Costa**, University Women’s Clinic, Germany

“Knowledge transfer from the lab into the clinic”

08:40 **Prof. Jürgen Kleinstein**, Clinic for Reproductive Medicine and Gynecologic Endocrinology, Germany

“High end IVF”

09:20 Coffee break

Session 4: Autoimmunity and pregnancy

Chairs: Prof. Jürgen Pollheimer, Stefanie Ehrentraut

09:40 **Prof. Gabriela Gutierrez**, Universidad de Buenos Aires, Argentina

“Endometrial immunosenescence and autoimmunity: recurrent abortion or implantation failure?”

10:20 **Prof. Guillermina Girardi**, King’s College London, United Kingdom

“Of mice and women: statins as a potential treatment to prevent adverse pregnancy outcomes in the antiphospholipid syndrome (APS)”

11:00 **Prof. Ralf Dechend**, Max-Delbrück-Center Berlin, Germany

“(Auto-)immune dysregulation and the cardioplacental syndrome called preeclampsia”

11:40 **Prof. Margaret Petroff**, Michigan State University, USA

“Central immune tolerance and reproductive fertility”

12:20 **O3: Rabia Anwar**, Max-Delbrück-Center Berlin, Germany

“Trophoblast-specific gene expression driven by endogenous retrovirus LTRs in normal vs pre-eclamptic (PE) pregnancy”

12:35 **O4: Ioannis Pavlidis**, University of Edinburgh, United Kingdom

“A new model of cervical damage during pregnancy”

12:50 Lunch

Session 5: Hormones and pregnancy

Chairs: Dr. David Sharkey, Dr. Anne Schumacher

14:00 **Prof. Horacio Rodriguez**, Universidad Nacional del Litoral, Argentina

“Influence of endocrine disrupters on fertility”

14:40 **Stefanie Ehrentraut**, Experimental Obstetrics and Gynecology, Germany

“Human Chorionic Gonadotropin as a pivotal player for pregnancy immune tolerance”

- 15:20 **O5:** Susanne Grund
“The role of endometrial claudin-3 for implantation, decidualization and embryo development”
- 15:35 **PD Dr. Robert Kammerer**, Friedrich-Löffler-Institut Greifswald, Germany
“Evolution and function of Pregnancy-specific glycoproteins in humans and animal models”
- 16:15 Coffee break
- 16:35 “Q&A” Session
- 19:00 Dinner-Party (in the Mückenwirt)

Saturday, 21st October 2017

- 09:00 Departure