



Special Focus: Macrophages

Reproductive Biology
meets
Immunology

7th December

2 - 6 pm CET

&

8th December

9 - 12 am CET

Tony DeFalco
Ohio, USA

Hans-Christian Schuppe
Giessen, Germany

Emmi Lokka
Turku, Finland

Ewa Rajpert - de Meyts
Copenhagen, Denmark

Jingtao Guo
Beijing, China

Slava Epelman
Toronto, Canada

Uta Höpken
Berlin, Germany

Johannes Mayer
Marburg, Germany

Valentina Lorenzi
Cambridge, UK

Marek Bartkuhn
Giessen, Germany

Jan Van den Bossche
Amsterdam, Netherlands

Maria Agustina Battistone
Boston, USA

JOIN US
FOR FREE



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organized by:

Daniela Fietz | Monika Fijak
Sudhanshu Bhushan | Christiane Pleuger

2nd Virtual Mini-Symposium

Testicular Infection, Inflammation and Cancer

Special focus: Macrophages
Reproductive Biology meets Immunology



JOIN US FOR FREE !

Wednesday Dec 7th 2:00 - 6:00 pm CET

Welcome address Hans-Christian Schuppe on HZRM

Session 1: General aspects in male fertility and macrophage biology

- 1) **Hans-Christian Schuppe** (Justus Liebig University Giessen, Germany)
Male infertility and testicular inflammation - a clinician's perspective
2:00 - 2:30 pm
- 2) **Slava Epelman** (Toronto General Hospital Research Institute, Canada)
Basic Immunology aspects about macrophages
2:30 - 3:00 pm
- 3) **Ewa Rajpert- de Meyts** (Copenhagen University Hospital, Denmark)
Testicular germ cell tumors: knowledge gaps concerning their origin and progression
3:00 - 3:30 pm

Break 3:30 - 3:45 pm

Session 2: Function of testicular and epididymal macrophages

- 1) **Emmi Lokka** (University of Turku, Finland)
Generation, localization and functions of macrophages during testicular development
3:45 - 4:15 pm
- 2) **Tony DeFalco** (Cincinnati Children's Hospital Medical Center, Ohio, USA)
Macrophages: Versatile Players in Testicular Development and Function
4:15 - 4:45 pm
- 3) **Maria Agustina Battistone** (Harvard Medical School, Boston, USA)
Role of CX3CR1⁺ mononuclear phagocytes within the epididymis
4:45 - 5:15 pm

Get together – Cheese and Wine

Thursday Dec 8th 9:00 am - 12:30 pm CET

Session 3: High-Throughput approaches for the assessment of immune cell biology

- 1) **Marek Bartkuhn** (Justus Liebig University Giessen, Germany)
Profiling immune cells by single-cell transcriptomics
9:00 - 9:30 am
- 2) **Johannes Mayer** (Philipps University Marburg, Germany)
High-dimensional Flow cytometry
9:30 - 10:00 am
- 3) **Jan Van den Bossche** (Amsterdam UMC, Netherlands)
Profiling macrophage immunometabolism anno 2022
10:00 - 10:30 am

Break 10:30 - 10:45 am

Session 4: Role of macrophages in testicular pathology

- 1) **Valentina Lorenzi** (Wellcome Sanger Institute, Cambridge, UK)
Testis-specific resident macrophages (single-cell roadmap of human gonadal development)
10:45 - 11:15 am
- 2) **Jingtao Guo** (Institute of Zoology, Beijing, China)
The impact of aging and elevated BMI on human testicular function
11:15 - 11:45 am
- 3) **Uta E. Höpken** (Max Delbrück Center, Berlin, Germany)
CXCR4 mediates leukemic cell migration and survival in the testicular microenvironment
11:45 am - 12:15 pm

Wrap up / Closing remarks