

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