

CELLULAR
AND MOLECULAR
REGULATION
OF IMMUNITY IN
BARRIER ORGANS



Dear SFB members, dear guests,

I would like to welcome you to the symposium „Cellular and molecular regulation of immunity in barrier organs“ organized by our Collaborative Research Center (SFB 1054). Immune cells in epithelial barrier organs, such as skin, lung and intestine are constantly exposed to microbial and environmental factors, which shape their development and function in a tissue-specific manner. Dendritic cells, macrophages, innate lymphoid cells and T cells are critically involved in tissue homeostasis and immune defense in these organs. High-throughput siRNA and CRISPR/Cas9 technologies have opened the door to discovery of molecules with previously unknown function which play central roles in the development and activity of these immune cell types in their specific tissue environment.

For this symposium, which is financed by the German Research Foundation gender equality funds, we invited six accomplished female immunologists, who are leading researchers in this field. Our aim is to encourage our female PhD students and postdocs to further pursue a scientific career and to increase the number of women in leading positions in Immunology. Universities and other research institutions face the challenge to attract and retain more women in science. Recent studies identify measures, which may help to achieve this goal. The speakers will share their own experiences and discuss these issues with SFB members.

Yours sincerely,
Anne Krug (SFB1054)

SFB 1054 International Symposium
November 27, 2015

Venue:

Ludwig-Maximilians-Universität München
Pettenkoferstr. 12
80336 München

Contact and Registration:

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SFB 1054 Control and Plasticity of
Cell-Fate Decisions in the Immune System

www.sfb1054.med.uni-muenchen.de

SFB 1054 International Symposium

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Friday 27th November 2015, Munich



SFB 1054 Control and Plasticity of
Cell-Fate Decisions in the Immune System

With generous support by:

DFG Deutsche
Forschungsgemeinschaft

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10:00 – 12:00 **Round table discussion**
Gender Equality and Science
(moderation by CLPM, LMU)

■ 12:00 – 13:00 Lunch

Session 1 Chair: Thomas Brocker

13:00 – 13:15 **Welcome address**
■ Anne Krug (SFB 1054)
■ Barbara Conradt (LMU vice president)

13:15 – 13:45 ■ Irmgard Förster
*Life & Medical Sciences (LIMES)
Institute, University of Bonn*
**Environmental regulation of immune
responses through the AhR/AhRR
sensory system**

13:45 – 14:15 ■ Claudia Jakubzick
*Dept. of Pediatrics, National Jewish
Health and Dept. of Immunology and
Microbiology, University of Colorado*
**Double-edged sword: Self-acquiring
Batf3-dendritic cells are required
for anti-tumor immunity and graft
rejection**

14:15 – 14:45 ■ Muzlifah Haniffa
*Institute of Cellular Medicine,
Newcastle University*
**Functional heterogeneity of human
mononuclear phagocytes in health
and inflammation**

14:45 – 15:15 ■ Lisa Horvath
*Chair of Research and Science
Management, Technical University
Munich*
**Attracting and retaining women
in science**
■ 15:30 – 16:00 Coffee Break

Session 2 Chair: Anne Krug

16:00 – 16:30 ■ Christina Zielinski
*Institute of Medical Microbiology,
Immunology and Hygiene, Technical
University Munich*
**Regulation of pro- and anti-inflamma-
tory human T cell properties in health
and inflammation**

16:30 – 17:00 ■ Chiara Romagnani
Deutsches Rheuma Forschungszentrum
**Activation and differentiation
of human innate lymphoid cells**

17:00 – 17:30 ■ Sonia Sharma
*Division of Cellular Biology, La Jolla
Institute for Allergy & Immunology*
**A systematic dissection of type I
Interferon signaling using a high-
throughput functional genomics
approach**

■ 19:30 Speaker's dinner



The Symposium will take place at the Ludwig-Maximilians-Universität, Pettenkoferstr. 12, 80336 München.