

Swiss 3Rs Day

BIOZENTRUM
University of Basel
11. June 2026

3RS IN IMMUNOLOGY AND
INFECTIOUS DISEASE

UNIVERSITY OF BASEL

3 R Swiss 3R
Competence
C C Centre

n|w



University
of Basel

interpharma**ph**

08:00 – 08:45

Registration

08:45 – 09:00

Welcoming words

Session 1

Host-Pathogen Interaction and Treatment

Chaired by Petya Apostolova, University of Basel

09:00 – 09:20

Cross-species *ex vivo* assays for tuberculosis vaccine and drug testing

Rachel Tanner, University of Oxford

09:20 – 09:40

Constant or interval administration: Importance of drug profiles on treatment outcome revealed by a microfluidic PK/PD model system

Petra Dittrich, ETH Zurich

09:40 – 10:00

Integrating the 3Rs in R&D of novel antibiotics: challenges, best practices and expectations

Claudia Zampaloni, Roche

KEYNOTE

Chaired by Petya Apostolova, University of Basel

10:00 – 10:30

Quantifying Regeneration: Mechanistic Insights into Tissue Self-Organization from Organoid Systems

Prisca Liberali, ETH Zurich, D-BSSE and Friedrich Miescher Institute for Biomedical Research

10:30 – 11:00

Coffee Break

KEYNOTE

Chaired by Dominik Meinel, FHNW

11:00 – 11:30

Modeling the Human Lung: Integrating Immunity and Pathogenesis in Next-Generation Organoids

Lauriane Cabon, Roche

Session 2

Human models for studying infection and immunity

Chaired by Dominik Meinel, FHNW

11:30 – 11:50

Improving Preclinical Models for Bacterial Infections: Insights from Human Biopsies

Dirk Bumann, University of Basel

11:50 – 12:10

Human bladder model to study infection dynamics and treatment

Christoph Dehio, University of Basel

12:10 – 12:30

Linking *in vitro* antibiotic activity to clinical outcomes

Lucas Böck, University of Basel

12:30 – 13:20

Lunch Break

13:20 – 14:00

Poster and Exhibitor Viewing

Tandem Presentations

Chaired by Aude Rapet, Swiss 3RCC

14:00 - 14:35

Novel human in vitro models for antibiotic R&D

Urs Jenal, University of Basel, & Caterina Bissantz, Roche

14:35 - 15:10

Using iPS technology to study parasite infections

Matthias Mueller, Novartis, & Malenka Kunz, Swiss TPH, University of Basel and Novartis

Poster Award

Chaired by Björn Lex, Roche

15:10 - 15:30

Flash presentations of poster finalist and poster award voting

15:30 - 16:00

Coffee Break

Awards Ceremony

Chaired by Jenny Sandström, Swiss 3RCC

16:00 - 16:10

3Rs Award and Young 3Rs Investigator Awards

Session 3

Beyond the 3Rs and compliance: fostering a good Culture of Care

Chaired by Anne Zintzsch, University of Basel

16:10 - 16:30

The 3Rs Principles: are Russell and Burch still getting it right?

Augusto Vitale, Italian National Institute of Health

16:30 - 16:50

Fostering a culture of care to address staff burden in laboratory animal research

Aoife Milford and Kirsten Persson, University of Basel

16:50 - 17:10

Beyond Survival: Building Supportive Paths for Early-Career Researchers in 3Rs Implementation

Fernando Gonzalez Uarquin, Johannes Gutenberg University Mainz

Concluding Panel

Chaired by Christoph Dehio, University of Basel

17:10 - 17:40

Opportunities and Challenges of Alternative Models

17:40 - 17:45

Closing remarks by Jenny Sandström, 3RCC Executive Director

17:45 - 19:00

Apéro



BECOME PART OF THE SWISS 3RCC NETWORKS

Early Career Researchers

The 3RCC Early Career Researchers Network (ECRN) unites young researchers that approach animal experimentation from different angles. It offers the opportunity to exchange ideas and experiences with other scientists developing different experimental models. Whether you are working with animal species, establishing in vitro models, refining veterinary procedures, tailoring statistical methods, or inventing new in silico methods, you have a place in the network!

Culture of Care

Culture of Care is an important principle that indicates a commitment to improve animal welfare, scientific quality, care of the staff and transparency for the stakeholders. The Swiss 3RCC's Culture of Care Network aims to promote and facilitate the culture of care at Swiss institutions. The network aims to promote a mind-set and behaviour that continuously and proactively works to promote laboratory animal welfare and the 3Rs.



Culture of Care
Network

If you would like to join one of our networks,
email us at info@swiss3rcc.org