



## **GEBIN Short Educational Course**

### ***Interactions from different perspectives***

**02-03 September 2025**

**Castle Rauischholzhausen, Germany**

**Tuesday 02.09.2025**

**9:00-9:30: Welcome and who is who**

**9:30-10:00: A reminder of the integrated concept**

Adriana del Rey, RG Immunophysiology, Div. Neurophysiology, Inst. f. Physiology and Pathophysiology, Medical Faculty, Marburg, Germany

**10:00-10:45: Thyroid hormones and the immune system: Why we need to know about it?**

Christina Wenzek, Department of Endocrinology, Diabetes, and Metabolism, University Hospital, Essen, Germany

**10:45-11:15: Coffee break**

**11:15-12:00: Contribution of neuronal guidance molecules to processes of peripheral acute inflammation and inflammation resolution**

Valbona Mirakaj, Molecular Intensive Care Medicine, Eberhard-Karls University, Tübingen, Germany

**12:30-13:30: Lunch**

**13:30-14:15: Metabolomic research: tumor-immune system interactions as an example**

Verena Taudte, Core Facility for Metabolomics, Medical Faculty, Marburg, Germany

**14:15-15:00: Fever: the activated immune system meets the brain. Good or bad?**

Joachim Roth, Institute of Veterinary Physiology and Biochemistry Justus Liebig University Giessen, Germany

**15:00-15:30: Coffee break**

**15:30-16:15: Networking: Students presentations (part I)**

**16:15-16:30: Breath break/Buffer time**

**16:30-17:15: Networking: Students presentations (part II)**

**17:15-18:00: Everything you wanted to know but were afraid to ask about scientific publishing**

Keith Kelley, University of Illinois at Urbana-Champaign, USA

**19:00: Trainee-Meet-The-Teacher Dinner**

**After dinner Charade** (Weather-dependent Garden or Castle Cellar Bar)

## **Wednesday 03.09.2025**

**9:00-9:45: Innate immune activation and neurodegenerative diseases**

Sergio Castro-Gomez, Center for Neurology, University Hospital Bonn, and Inst. for Physiology II, University Bonn, Germany

**9:45-10:30: Inter-individual differences in inflammation-induced affective symptoms: experimental endotoxemia as model**

Julie Lasselin, Karolinska Institutet, Stockholm University, Linköping University, Sweden

**10:30-10:50: Coffee break**

**10:50-11:45: The role of artificial intelligence in Biomedical Sciences**

Nestor Bustamante, Springer Nature, Emerging Technologies, Berlin, Germany

**11:45-12:00: Evaluation and end of the Course**

**12:30: Lunch**