

Kick-Off Meeting

2nd Funding Period of the KFO5001 ResolvePAIN

Monday, June 2nd – Tuesday, June 3rd, 2025



Dear Members of KFO5001,
dear Colleagues, dear Guests,

we are thrilled to celebrate the renewal of our clinical research unit KFO5001 ResolvePAIN for another 4 years, from January 2025 to December 2028!

After a year of intense preparations, we had a successful on-site review in September 2024, and in December we finally received the fantastic news that the German Research Foundation (DFG) had decided to award us this big grant, and that ResolvePAIN will continue its work. Many thanks again to all those who, on the scene and behind, helped us achieve this goal.

In the first funding period, we had turned around a common paradigm in pain research. Instead of asking once more why pain becomes chronic, we asked, why and how does pain resolve. From our model diseases, in cell culture, animals and humans, we derived hypotheses, and we collected first data on the prerequisites for and mechanisms of pain resolution. This will now be taken forward, be studied in more depth, and the findings will be used for the first treatment trials. Identifying resolution factors is not only an exciting journey into pain pathophysiology, but also a means to improve patients' outcomes.

Our hallmark is the interdisciplinary collaboration of the research groups, coming from different fields and different scientific philosophies, working in complementary model systems. We are proud to have a thriving group of young researchers, strongly contributing to the science, and being on the way to independence.

We look forward to welcoming you to this kick-off event of our second funding period on June 2-3 of 2025. We expect that the presentations from within our research unit and from our esteemed guest speakers will lead to lively discussions and possibly novel collaborations.



Prof. Dr. Heike Rittner



Prof. Dr. Claudia Sommer

Program – Monday, June 2nd, 2025

- 12:00 h **Get together: Lunch**
- 13:00 h **Welcome Words**
Prof. Dr. C. Sommer, Prof. Dr. H. Rittner,
Prof. Dr. P. Meybohm
- 13:05 h **Welcome Opening:**
Major achievements 1st Finding Period
Prof. Dr. C. Sommer, Prof. Dr. H. Rittner
- 13:30 h **NP1** Resolution of neuropathies caused by
bortezomib and its successor drugs
Prof. Dr. H. Einsele, Prof. Dr. M. Kortüm,
Prof. Dr. C. Sommer
- 13:45 h **NP4** Brain stem circuits for pain regulation
and resolution
Prof. Dr. G. Hein, Prof. Dr. P. Tovote
- 14:00 h **NP5** Social buffering and biomarkers in two
primary chronic pain disorders
Prof. Dr. G. Hein, Prof. Dr. B. Namer,
Prof. Dr. C. Sommer
- 14:15 h **Data Management Concept**
Prof. Dr. P. Tovote
- 14:30 h **Training programs**
(Clinician and Medical Scientists)
Prof. Dr. N. Schlegel, Prof. Dr. A. Brack,
Prof. Dr. M. Pham
- 14:45 h **Recognition & Farewell for Clinician Scientists
of the 1st Funding Period**
- 15:00 h **Mercator** ResolveCRPR 2.0 cranial fMRI
Prof. Dr. P. Geha
- 15:15 h **Coffee break**

- 16:00 h **NPZ** Skin analysis platform
Prof. Dr. C. Sommer
- 16:15 h **NPZ** Blood platform
Prof. Dr. A. Brack
- 16:30 h **NPZ** MRI Platform
Prof. Dr. M. Pham
- 16:45 h **NPZ** Clinical cohort studies
Prof. Dr. N. Schlegel
- 17:00 h **Keynote Lecture: Neural representations and modulations of pain in humans**
Prof. Dr. Yiheng Tu
Institute of Psychology,
Chinese Academy of Sciences, Beijing, China
- 19:00 h **Get together at Locanda Restaurant**
Kranenkai 1, 97070 Würzburg
<https://locanda.de/wuerzburg/>



Program – Tuesday, June 3rd 2025

- 09:00 h **Welcome**
Prof. Dr. C. Sommer and Prof. Dr. H. Rittner
- 09:15 h **Keynote Lecture: With positive energy: Resolution of pain under control of inhibitory receptors and the immune system**
Prof. Dr. Niels Eijkelkamp
Center for Translational Immunology,
University Medical Center Utrecht,
Utrecht University, Utrecht, The Netherlands
- 10:15 h **NP3** Neuropathic pain induced by anti-Caspr2 autoantibodies: pathogenesis and resolution
Prof. Dr. K. Doppler, Prof. Dr. C. Villmann
- 10:30 h **NP6** Presynaptic and peripheral plasticity in nociceptors and pain resolution
Prof. Dr. R. Kittel, Prof. Dr. H. Rittner
- 10:45 h **NP7** Modelling barrier resealing of blood-peripheral nerve and blood-DRG barriers for pain resolution in nerve injury and complex regional pain syndrome (CRPS)
Prof. Dr. H. Rittner, Priv.-Doz. Dr. S. Krug, Dr. M. Schindehütte
- 11:00 h **NP2** Functional and metabolic investigation of nociceptive mechanisms underlying pain and pain resolution in Bortezomib-induced polyneuropathy utilizing a patient-derived in vitro model system
Prof. Dr. N. Üçeyler, Dr. J. Neubauer
- 11:15 h **NP8** Clinical relevance of axonal NGF signalling for pain resolution after median laparotomy
Priv.-Doz. Dr. M. Briesse, Prof. Dr. N-M. Wagner
- 11:30 h **NP9** Single-cell level phenotyping of multicellular dynamics in the DRG during pain resolution
Prof. Dr. R. Blum, Prof. Dr. A. Brack
- 11:45 h **Election Committees:** Steering Board; Equality, Diversity and Inclusion; Junior Council
- 11:45 h **Get together: Lunch**

Speakers

Prof. Dr. Robert Blum

Institute of Clinical Neurobiology

Prof. Dr. Alexander Brack

Department of Anaesthesiology,
Intensive Care, Emergency and
Pain Medicine

Priv.-Doz. Dr.

Michael Bries

Institute of Clinical Neurobiology

Prof. Dr. Kathrin Doppler

Department of Neurology

Prof. Dr. Hermann Einsele

Department of Medicine II

Prof. Dr. Paul Geha

Department of Psychiatry,
University of Rochester Medical
Center
430 Elmwood Ave, Rochester,
NY 14620

Prof. Dr. Grit Hein

Department of Psychiatry,
Psychosomatic, Psychotherapy
Center of Mental Health

Prof. Dr. Robert Kittel

Institute of Biology
Leipzig University

Prof. Dr. Martin Kortüm

Department of Hematology-
Oncology, Internal Medicine II

Priv.-Doz. Dr.

Susanne Krug

Division of Nutritional Medicine/
Clinical Physiology
Medical Clinic m.S.
Gastroenterology, Infectiology
and Rheumatology,
Charité – University Medicine
Berlin, Campus Benjamin Franklin

Prof. Dr. Barbara Namer-Schinner

Center for Interdisciplinary Pain
Medicine (ZiS)
Department of Anaesthesiology,
Intensive Care, Emergency and
Pain Medicine

Dr. Julia Neubauer

Fraunhofer-Institut für Bio-
medizinische Technik (IBMT)
Fraunhofer-Projektzentrum für
Stammzellprozesstechnik

Prof. Dr. Mirko Pham

Department of Neuroradiology

Prof. Dr. Heike Rittner

Center for Interdisciplinary Pain
Medicine (ZiS)
Department of Anaesthesiology,
Intensive Care, Emergency and
Pain Medicine

Dr. Magnus Schindehütte

Department of Neuroradiology

Prof. Dr. Claudia Sommer

Department of Neurology

Prof. Dr. Nicolas Schlegel

Department of General, Visceral,
Transplant, Vascular and Pediatric
Surgery

Prof. Dr. Philip Tovote

Institute of Clinical Neurobiology

Prof. Dr. Nurcan Üçeyler

Department of Neurology

Prof. Dr. Carmen Villmann

Institute of Clinical Neurobiology

Prof. Dr. Nana-Maria Wagner

Department of Anaesthesiology,
Intensive Care,
Emergency and Pain Medicine

Guest speakers

Prof. Dr. Niels Eijkelkamp

Center for Translational Immunology,
University Medical Center Utrecht,
Utrecht University,
Utrecht, The Netherlands

Prof. Dr. Yiheng Tu

Institute of Psychology,
Chinese Academy of Sciences,
Beijing, China

Organizational

Venue

University Würzburg
Rudolf Virchow Center (RVZ) for Integrative
and Translational Bioimaging, Haus D15,
Josef-Schneider-Straße 2, 97080 Würzburg

Participation fee

The event is free of charge. In case of connection via ZOOM a registration via E-Mail is required in order to send you the ZOOM-Link and the privacy policy

Contact

University Hospital Würzburg
Department of Anaesthesiology, Intensive Care,
Emergency and Pain Medicine

Project Administrator, Mrs. Brenda Gewiß

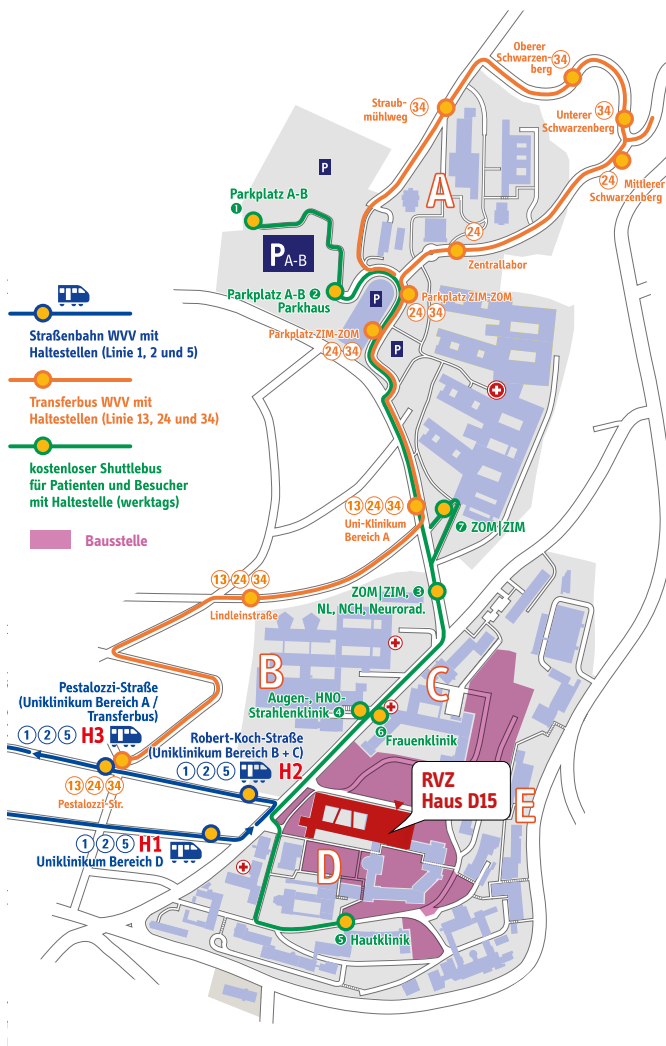
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E-Mail: gewiss_b@ukw.de
resolvepain@ukw.de

You can find information on the handling of your data at events at:
www.ukw.de/recht/datenschutz

Visit our website: www.ukw.de/kfo5001

Site Plan



You can reach the University Hospital from the main train station with streetcar lines 1 and 5 in the direction of Grombühl/Unikliniken or by car (discounted parking tickets available).

Further information on how to get there and parking facilities on the Internet:

www.ukw.de/anreise

