



EPN Symposia

EPN Symposium I (Castle Rauischholzhausen):

Visceral-brain communication & lifestyle intervention

Chairs: C. Rummel, L. Nonnweiler

We, 03/09/25

13:30 – 15:30

Invited Speaker:

J.-P. Konsman *Microbiota-organ-brain axes of getting it right?* 13:30 – 14:15

S. Knake *Effects of tVNS in epilepsy patients and research* 14:30 – 15:15

Coffee Break

15:30 – 16:00

EPN Workshop:

Future of European Psychoneuroimmunology Network (EPN)

Chairs: A. del Rey, N. Sakis

16:00 – 18:00

Invited Speaker:

K. Kelley *Global Psychoneuroimmunology Networks: PNIRASia-Pacific and PNIRSIbero-America*

J. Lasselin,
J.-P. Konsman,
C. Rummel *Interactive Discussion on the Future of
European Psychoneuroimmunology Network*

Dinner

from 19:00

EPN Symposium II (Institute of Veterinary Physiology, Giessen):

Immune-to-brain-communication & GBS infection

Chairs: J. Lasselin, L. Bähr

Thu, 04/09/25

11:00 – 13:00

Invited Speaker:

L. Harden *Group B Streptococcus, a harmless commensal that can
transmission into a potent inducer of
neuroinflammation* 11:00 – 11:30

Speaker:

M. von Köckritz-Blickwede *The Hypoxic Immune Landscape: Neutrophil Responses
and Implications for Brain-Immune Crosstalk* 11:45 – 11:55

A. L. Jung *Immune modulation by extracellular vesicles: signals
from the infected lung* 12:00 – 12:10

J. Stoll *Induction of neutrophil extracellular traps (NETs) in vitro
using LPS or Group B Streptococcus (GBS) and its role in
invasive neonatal GBS disease.* 12:15 – 12:25

S. Bauch *The impact of sympathetic neurotransmitters on
neutrophil functions in the in vitro rat model* 12:30 – 12:40

Lunch break

13:00 – 14:00



GEBIN2025

GEBIN Welcome Address (*Institute of Veterinary Physiology, Giessen*)

Thu, 04/09/25
14:00

K. Krüger, *Vice President for Academic Infrastructure, Justus Liebig University Giessen*

Oral Session 1

Sepsis & Sickness Behavior

14:30 – 15:45

Chairs: M. Hadamitzky, E. Tavakoli

Keynote Speaker:

M. Kox	<i>Experimental human endotoxemia: an invaluable tool in understanding, gauging, and modulating the host response</i>	14:30 – 15:00
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Speaker:

R. Straub	<i>A clinical, laboratory, psychological and neurophysiological test battery to deepen the understanding of disease activity in rheumatoid arthritis</i>	15:15 – 15:25
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L. Lazzarini, M. Marro; BioTekna	<i>Innovative Integrated Technologies for Predictive Health: BIA-ACC, PPG, and HEG in Clinical and Research Applications</i>	15:30 – 15:40
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Coffee Break

15:45 – 16:15

Oral Session 2

Immunopsychiatry

16:15 – 18:00

Chairs: J. Alferink, B. Pedraz-Petrozzi

Keynote Speaker:

H.A. Drexhage	<i>Stratifying Major Depressive Disorder in 4 immunotypes responding or not responding to different forms of add-on immunotherapy</i>	16:15 – 16:45
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Speaker:

E. Beins	<i>The Influence of Genetic Risk for Depression and Glucocorticoid Stress on Transcriptome and Secretome Profiles of Induced Pluripotent Stem Cell-Derived Microglia</i>	17:00 – 17:10
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A.-L. Boller	<i>Cytokine-producing dendritic cells as predictors of depression severity</i>	17:15 – 17:25
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L. Seizer	<i>Peripheral immune system activity in young psychiatric patients</i>	17:30 – 17:40
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Z. Susam	<i>Circulating T Cell Subsets in Relation to Childhood Trauma and Major Depressive Disorder</i>	17:45 – 17:55
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Poster Blitz

Chairs: L. Hansson, J. Stoll

18:00 – 18:30

Welcome Reception (Veterinary Campus)

from 18:30



Oral Session 3
Endocrinology & Stress
Chairs: E. Peters, M. Feldotto

Fr, 05/09/25
09:00 – 11:00

Invited Speaker:

J. Tuckermann	<i>Glucocorticoids as key regulators of immunometabolism</i>	09:00 – 09:20
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Speaker:

U. Gimsa	<i>Does maternal stress during lactation have sustained effects on stress reactivity and immune system of offspring in pigs?</i>	09:30 – 09:40
K. Langen	<i>Skin satisfaction and shame in patients submitted for inpatient psychosomatic treatment: A controlled cross-sectional real-world study</i>	09:45 – 09:55
D. Langgartner	<i>Mycobacterium vaccae ATCC 15483T intergenerationally facilitates short-chain fatty acids (SCFA) producing microbiota and promotes stress resilience in mice</i>	10:00 – 10:10
T. Schimmele	<i>Early Life Adversity Promotes a Milieu in Favor of Catabolic Bone Turnover in Females: Mycobacterium vaccae NCTC 11659 Proofs Protective in Preclinical Studies</i>	10:15 – 10:25
G. Pongratz	<i>Unbiased heart rate variability profiling identified three distinct stress response phenotypes in late stage osteoarthritis patients</i>	10:30 – 10:40
N. Sakis	<i>Favorable safety profile of perioperative propranolol and etodolac schedule in cancer patients: Evidence from four randomized controlled trials including promising anti-metastatic outcomes</i>	10:45 – 10:55

Coffee Break

11:00 – 11:30

Oral Session 4
Exercise(Psycho)-Immunology
Chairs: K. Krüger, A.-L. Boller

11:30 – 12:45

Invited Speaker:

P. Zimmer	<i>How exercise impacts the CNS by modulating the immune system</i>	11:30 – 11:50
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Speaker:

K. Krüger	<i>From Senescence to Resilience: Exercise-Mediated Rejuvenation of the Immune System</i>	12:00 – 12:10
K. Akalp	<i>Effects of aerobic exercise combined with cognitive training (program Activ4Brain) on neuroprotection, inflammatory markers and cognition in cognitively healthy older persons: Preliminary results</i>	12:15 – 12:25
K. Gebhardt	<i>Effects of exercise, cardiorespiratory fitness, and inflammation on mitochondrial respiration of immune cells</i>	12:30 – 12:40



Lunch (GEBIN Steering Committee Meeting at the same time) **12:45 – 13:30**

Poster Session (Rooms 48-51, Small Animal Clinic, Frankfurter Str. 114) **13:30 – 15:30**

Coffee break **15:30 – 16:00**

Session on Science Communication
Organized by GEBIN Early Career Researchers **16:00 – 17:30**
Chairs: J. Bihorac, J. Schäffer, T. Schimmele

R. Straub Karger - Journal Neuroimmunomodulation 16:00 – 16:10

GEBIN ECRs 1st GEBIN ScienceSlam
Presenters: TBA 16:15 – 17:30

Social Program (Botanic Garden, Senckenbergstr. 17, 35390 Giessen) **18:30**

There will be some drinks provided and voluntary guided tours through the gardens offered by Prof. Wissemann, Executive Director of the Institute of Botany, JLU Giessen. We meet at the entrance Sonnenstrasse at 18:30 and leave at 19:30. The Gardens are closed for the general public at this time and are only open for us – so please be there on time! **until 19:30**

Conference Dinner (Bootshaus, Bootshausstr. 12, 35390 Giessen) **from 20:00**



After a reception with Prosecco and orange juice, we will have a buffet with a vegan and a non vegan option, which is included in the registration fee. Drinks are billed per guest according to consumption. Card payments are possible starting at €10.00. AMEX is not accepted! New registrations for the conference dinner are possible until the 28th of August 2025 only! (Photo shown with permission of BootsHaus management)



Oral Session 5
Pain & Neurogenic Inflammation
Chairs: S. Benson, S. Leisengang

Sa, 06/09/25
09:00 – 10:30

Invited Speaker:

U. Schagdarsurengin	<i>Hidden codes of pain: epigenetic signatures of Chronic Prostatitis/Chronic Pelvic Pain Syndrome</i>	09:00 – 09:20
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Speaker:

S. Benson	<i>Positive treatment expectation effects on inflammation-induced pain symptoms: an experimental study in healthy volunteers</i>	09:30 – 09:40
G. Rösch	<i>The vicious circle of chronic stress and osteoarthritis: Insights from a murine model</i>	09:45 – 09:55
K. Richter	<i>Anti-inflammatory and analgesic effects of novel $\alpha 9\alpha 10$ nicotinic acetylcholine receptor agonists</i>	10:00 – 10:10

Coffee break

10:30 – 11:00

Oral Session 6
Open Oral Session
Chairs: S. Capellino, K. Richter

11:00 – 12:30

Speaker:

R. Straub	<i>Exosomes and microRNA – a new form of remote and bidirectional neuroimmunomodulation?</i>	11:00 – 11:10
A. Andreasson	<i>The effect of seasonal allergy on fatigue</i>	11:15 – 11:25
A. Cerimagic	<i>Where East meets West: Exploring MBTI polarities and immune dysregulation through the lens of Yin-Yang dynamics</i>	11:30 – 11:40
L. Hansson	<i>To conceal or not to conceal? Investigating how risk of disease transmission and the outgroup status affect concealment of infectious disease in humans</i>	11:45 – 11:55
M. Feldotto	<i>Neuroinflammation, amyloid-beta oligomers and Alzheimer's disease: What are the mechanisms behind the neuroprotective impact of omega-3 polyunsaturated fatty acids (PUFAs) and their metabolites (SPMs)?</i>	12:00 – 12:10
K. Jarick	<i>Innervation of fat-associated lymphoid clusters in the murine omentum</i>	12:15 – 12:30

GEBIN Award Ceremony & Closing Remarks

12:30

Lunch

13:00 – 14:00



AKNI Symposium

AKNI Symposium (*Institute of Veterinary Physiology, Giessen*)

Novel concepts in Neuroimmunology

Chairs: L. Minuzzi, T. Hofmann

Sa, 06/09/25

14:00 – 17:00

Invited Speaker:

D. Erny	<i>How gut bacteria modulate brain-resident immune cells</i>	14:00 – 14:45
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Speaker:

D. Broekmans	<i>Epigenetic regulation of stress- and inflammation-associated genes in post-traumatic stress disorder patients with childhood maltreatment (cmPTSD): a pilot investigation</i>	15:00 – 15:10
S. Capellino	<i>Dopamine modulates immune cells phenotype and osteoclast activation in male and female axial Spondyloarthritis patients</i>	15:15 – 15:25
R. Masanetz	<i>Brain parenchymal infiltration of T cells during chronic experimental colitis</i>	15:30 – 15:40
E. Prepoudis	<i>Targeting Factor B in EAE: Clinical and Molecular Insights into Complement-Driven Pathology</i>	15:45 – 15:55
T. Hofmann	<i>From Feather Pecking to Immunity: Immune differences in a line of laying hens selected for high and low feather pecking</i>	16:00 – 16:10