

ABSTRACT AND
REGISTRATION
DEADLINE
JULY 31ST



CONTACT AND REGISTRATION:
[LIR-MAINZ.DE/SYMPOSIUM-2024](https://lir-mainz.de/symposium-2024)
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THE SYMPOSIUM IS ORGANIZED BY:
EU HORIZON PROJECT DYNAMORE
INTERNATIONAL RESILIENCE ALLIANCE (INTRESA)
ECNP RESILIENCE NETWORK
STRESS-NL
LEIBNIZ INSTITUTE FOR RESILIENCE RESEARCH
UNIVERSITY MEDICAL CENTER MAINZ
RED ESPAÑOLA DE INVESTIGACIÓN EN ESTRÉS (REIS)

RESILIENCE #2024

UNIVERSITY MEDICAL CENTER
LANGENBECKSTRASSE 1
BUILDING 708

FROM FRANKFURT AIRPORT:
TRAIN TO MAINZ CENTRAL STATION: 26 MIN, 7€. CAB: 25-35 MIN, 60-70 €.

FROM MAINZ CENTRAL STATION, PUBLIC TRANSPORT:
BUS BAY G, BUSES 62, 67, 69, 76, 65, 652, 660
(1ST STOP, 4 MIN).

PARKING:
USE PARKING GARAGE "AUGUSTUSPLATZ"
(AM RÖMERLAGER, 55131 MAINZ, 5 MIN).

RESILIENCE #2024

10TH INTERNATIONAL
SYMPOSIUM ON
RESILIENCE RESEARCH

SATELLITE
WORKSHOP
» QUANTIFICATION
OF RESILIENCE «
IN HUMANS
SEPT 24

25-27
SEPTEMBER
2024
MAINZ
GERMANY

UNIVERSITY MEDICAL CENTER
LANGENBECKSTRASSE 1
BUILDING 708

WEDNESDAY
SEPT 25

INTRESA BUSINESS MEETING

10:00 Intresa business meeting (non-public)

SCIENTIFIC PROGRAM

13:00 Welcome

SESSION 1: HOT TOPICS IN STRESS RESEARCH & DEEP PHENOTYPING, APPLIED

- 13:15 **Juan Pablo Lopez, Karolinska Institute, Stockholm**
Increasing resolution in stress neurobiology: from single cells to complex social behaviors
- 14:00 **Nuria Daviu, University of Guelph, Canada**
Survival optimization: role of PVN-CRH neurons in innate escape initiation and execution
- 14:45 **COFFEE**
- 15:15 **Johannes Bohacek, ETH Zurich**
In search of the tipping point: tracking the transition from acute to chronic stress
- 16:00 **Marija Kundakovic, Fordham University, USA**
Epigenomic programming of brain plasticity and disease risk by ovarian hormones
- 16:45 **EARLY-CAREER SCIENTIST SHORT TALKS**
Selected poster abstracts
- 17:30 - 19:00 **POSTER SESSION**
With snacks
- 20:00 **SPEAKERS' DINNER**
Speakers' dinner (non-public)

THURSDAY
SEPT 26

SESSION 2: NEUROGENESIS: HOW NEWBORN NEURONS PROMOTE RESILIENCE

- 9:00 **Gerd Kempermann, TU Dresden**
Adult neurogenesis and the emergence of individualized resilience
- 9:45 **Christoph Anacker, Columbia University**
Stress resilience and the ventral dentate gyrus – neurogenesis as a regulator of neuronal activity
- 10:30 **COFFEE**
- 11:00 **Paul Frankland, University of Toronto**
Hippocampal neurogenesis and memory generalization
- 11:45 **EARLY-CAREER SCIENTIST SHORT TALKS**
Selected poster abstracts
- 12:30 **POSTER SESSION**
With lunch

SESSION 3: CELLULAR AND MOLECULAR MECHANISMS OF STRESS AND RESILIENCE: FOCUS ON METABOLISM

- 14:15 **Natalia Bobba-Alves, Columbia University**
Exploring the link between stress, energetics, and aging
- 15:00 **Nils Gassen, University of Bonn**
Neurohomeostasis under stress: the crosstalk of metabolism and autophagy in stress-related diseases
- 15:45 **COFFEE**
- 16:15 **Olivia Engmann, University of Jena**
Metabolic signatures of chronic stress: using dietary factors caffeine and vitamin B12 to unveil previously unknown resilience pathways

SESSION 4: COMPLEX RESILIENCE: NETWORKS AND PROCESSES

- 17:00 **Anthony Ong, Cornell University**
Resilience across multiple time-scales
- 18:30 **SOCIAL**
Looking back at 10 years of fun, and some more fun, party and live music

FRIDAY
SEPT 27

- 9:30 **Angelique O. J. Cramer, Centre for Urban Mental Health, Amsterdam University Medical Center**
It's all connected: resilience and vulnerability from a complex systems perspective

SESSION 5: SHAPING RESILIENCE THROUGH INNOVATIVE INTERVENTIONS

- 10:15 **Igor Branchi, Institute of Health, Rome**
Building resilience at the boundaries between plasticity and context
- 11:00 **COFFEE**
- 11:30 **Sophie Bögemann, Donders Institute, Radboudumc Nijmegen**
Resilience in your pocket: smartphone-based interventions triggered by daily-life stress
- 12:15 **Claudi Bockting, Dept. of Psychiatry and Centre for Urban Mental Health, Amsterdam University Medical Centre**
Toward sustainable effects to promote resilience in high risk groups: prevention of relapse in common mental health conditions using brief interventions
- 13:00 **POSTER AWARD CEREMONY**
Conclusions and Farewell
- 13:30 **LUNCH**
Lunch

SEPT 24
SATELLITE WORKSHOP
Quantification
of resilience
in humans