

## 7<sup>th</sup> Annual meeting of stressnetwork.ch

University of Bern, Institute of Tissue Medicine and Pathology

Murtenstrasse 31, 3008 Bern

Monday February 17, 2025

9:40 am. **Registration**

10:00 am. **Opening remarks**

- **Carmen Sandi & Dominique de Quervain**

10:05 am. **Talks: New members**

- **Jardena Puder**, CHUV (CH): *Stress, mental and metabolic health in the lifespan*
- **Antoine Adamantidis**, University of Bern (CH): *Linking sleep and emotions*

10:50 am. **Coffee Break**

11:15 am. **Talks: New members**

- **Stamatina Tzanoulinou**, University of Lausanne (CH): *Revisiting contextual fear processes using social stress conditioned place aversion*
- **Christian Ruff**, University of Zurich (CH): *How acute stress changes risk-taking behavior*

12:00 pm. **Lunch Break**

1:00 pm. **Poster session**

2:00 pm. **Junior Investigators Awards**

- **Pegah Kassraian**, Columbia University (USA): *A dorsal to ventral memory circuit underlies the discrimination of social threat from social safety*
- **Joeri Bordes**, INSERM Bordeaux (FR): *Early life stress mouse model of social anxiety is mediated by insular cortex activity*
- **Laura Meine**, University of Zurich (CH): *Coping strategy repertoire size and use in medical students undergoing stressful internships: A three-wave ecological momentary assessment study*

**Chair:** Camille Piguet-Nemitz, University of Geneva (CH)

2:45 pm. **Coffee Break**

3:00 pm. **Round Table – How can we measure acute and chronic stress?**

- **Birgit Kleim**, University of Zurich (CH), *Exploring stress dynamics in the lab and in the real world*
- **Johannes Bohacek**, ETH Zurich (CH): *Measuring stress-induced molecular changes in the brain*
- **Roland von Känel**, University of Zurich (CH): *Acute and chronic stress measures in cardiovascular medicine*

**Chair:** Carmen Sandi, EPFL (CH)

**4.30 pm. Keynote Lecture** – **Andreas Lüthi**, FMI Basel (CH): *Brain mechanisms for emotional states*

**5.00 pm. Ceremony for the Global Stress & Resilience Network Pioneer Award** – **James L. McGaugh**

**Chair:** Dominique de Quervain, University of Basel (CH)

**5.15 pm. Closing remarks**

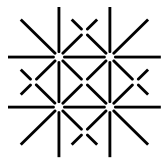
- **Carmen Sandi & Dominique de Quervain**

**5:20 pm – 6.30pm. Aperitif in Honor of the Awardee**

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## Poster session

1.00 – 2.00 pm

1	Ali Maryam	University of Lausanne	Investigating the role of steroid hormones in brain development
2	Amini Ehssan	University of Basel	Using multimodal machine learning algorithm to predict cognition, emotion, and personality in a large-scale neuroimaging dataset.
3	Amor Tiffany	University of Geneva	How does the roughness of human screams affect consolidation of events and their context?
4	Ariu Alexander	University of Lausanne	Impact of Poor Sleep and Difficulties in Emotion Regulation on State Rumination and Perceived Stress in a Virtual Social Stress Task
5	Attanasio Veronica	University of Zurich	Heart Drawings Reflect Illness Perceptions and Are Associated with Quality of Life, Depression, Anxiety and Post-Traumatic Stress Symptoms in ICD Patients
6	Baysal Yigit	University of Zurich	Moral Distress in Veterinarians and Animal Care Workers: A Scoping Review
7	Bordes Joeri	Neurocentre Magendie Bordeaux	Early life stress-induced social behavioral alterations are mediated by insular cortex activity
8	Borsa Micaela	University of Bern	Somato-dendritic Decoupling in the Retrosplenial Cortex Neurons During REM sleep
9	Delplanque Sylvain	University of Geneva	Use of pulse amplitude as a physiological measure of moderate stress
10	Elbassiouny Mai	University of Geneva	Tetris, With or Without Prior Recall, Reduces Intrusions of a Trauma Film Three Days After Viewing
11	Folschweiller Shani	University of Bern	Study of cortical excitability in a model of "on demand" limbic seizure
12	Frei Selina	ETHZ	Putting the obvious yet neglected back into the spotlight
13	Geissman Léonie	University of Basel	Individual brain-network differences in emotional memory enhancement
14	Grieco Fabio	University of Lausanne	Impact of Intra-Uterine Position on Prenatal Hormonal Environment, Brain Development and Stress Susceptibility in Mice
15	Hall Lincoln	University of Geneva	The effects of cortisol on visual contrast and time perception

16	Homan Stephanie	University of Zurich	Real-life tracking of stress-induced psychopathology in Swiss students with mobile apps
18	Kaizhen Li	University of Bern	The emergence of anxiety in space and time within ventral hippocampal neural circuits
19	Kassraian Pegah	Columbia University	A dorsal to ventral memory circuit underlies the discrimination of social threat from social safety
20	Kullolli Uarda	University of Geneva	The effects of post-encoding cortisol administration on pattern separation and event segmentation in memory
21	Kyprou Marios	University of Bern	Contextual Integration of social reward memories in the ventral hippocampus
22	McPherson Ella	University of Zurich	Resilience in the face of stress: Investigating the pupillometry correlates of emotional conflict and arousal in a preregistered prospective cohort study
23	Meine Laura	University of Zurich	Coping Strategy Repertoire Size and Use in Medical Students Undergoing Stressful Internships: A Three-Wave Ecological Momentary Assessment Study
24	Meissner Sarah	ETHZ	Pupil-based arousal self-regulation across trait anxiety levels
25	Michel Leo	University of Lausanne	Dynamics in non neuronal cells in habenula in response to threats
26	Michel Sofia	University of Bern	Sleep Matters: Examining the temporal relationship between Sleep Quality and Mental Health in Swiss University Students.
27	Molina Patricia	University of Lausanne	Behavioural and neuronal dynamics trajectories during chronic stress-induced depression
28	Montet Estelle	Unisanté Lausanne	Heart rate variability measurement: overview of available methods and their adequacy for stress research in the field
29	Murray Ryan	CHUV	Identifying parents experiencing toxic antenatal stress
30	Noe May Thet Nu	University of Lausanne	Assessing Mental Health Support in Swiss Higher Education Institutions: An Inventory of Occupational Health Services and Researchers' Awareness
31	Onay Neslihan	University of Geneva	Angry Faces Reduce Associative Memory In Children and Adults Without Trade-offs in Attention
32	Perez Martinez Enrique	University of Bern	Modulation of seizures by the stress hormone corticosterone
33	Potok-Szybinska Weronika	ETHZ	The effects of arousal self-regulation using pupil-based biofeedback on experimentally induced stress responses.

34	Robert Mélisse	University of Zurich	Preclinical validation of the efficacy of TRPC4/5 channels inhibition for reduction of excessive aversion processing: neurobehavioral evidence
35	Rosi-Andersen Alex	University of Bern	NREM Nap Patterns Post-Trauma Exposure Therapy
37	Schick Tanz Nathalie	University of Basel	The Effect of Fampridine on Working Memory: A Randomized Controlled Trial Based on a Genome-Guided Repurposing Approach
38	Schmid Vinzenz	University of Zurich	Endocannabinoid Response to Social Stress in Chronic Non-Medical Prescription Opioid Users
39	Tritschler Nils	University of Bern	Reversed Effects of Exhaustion and Irritation on the Psychosocial Working Environment: Evidence from RI-CLPMs
40	Vuilleumier Eva	University of Geneva	Stress in Childhood: Exploring the Physiological Mechanisms of Dyadic Stress Regulation in Children and Their Caregivers