
Event Agenda

International Behavioral Neuroscience Society Annual Meeting

Tuesday, June 24, 2025

| | |
|--------------------|---|
| 8:00 AM - 9:00 AM | Breakfast Served at Hotel Restaurant |
| 9:00 AM - 12:00 PM | Council Meeting Location: Sydspissen Room at the Radisson Blu Hotel |
| 12:00 PM - 1:00 PM | Lunch on Your Own |
| 1:00 PM - 2:30 PM | Blitz travel award sessions Location: Tromsøsalen 1-2 Chair: Sharon Furtak, Philip Jean-Richard-dit-Bressel ; Speakers: Abanoub Armanious, Indra Bishnoi, Julieta Boezio, Hannah Boyd, Matías Jávega Cometto, Dana Conlisk, Christina Curran-Alfaro, Ella Doornaert, Cyprien Guerrin, Hinze Ho, Patrick ICHIPI-IFUKOR, Max Loh, Joelma Alves Lucio, Patricia Maidana Miguel, Sheida Shadani, Chad Smies, Takumi Yamasaki, Shahab Zarei |
| 2:30 PM - 3:00 PM | Break Location: Foyer |
| 3:00 PM - 5:00 PM | Meet the Professionals Location: Tromsøsalen 1-2 |
| 5:30 PM - 6:30 PM | Trainee Social Location: Rooms 313-315 |
| 6:30 PM - 7:30 PM | Opening Reception Location: Tromsøsalen 1-2 |
| 7:30 PM - 7:30 PM | Dinner on Your Own |

Wednesday, June 25, 2025

| | |
|-------------------|--|
| 7:00 AM - 8:00 AM | Breakfast Served at Hotel Restaurant Location: Hotel Restaurant |
| 8:00 AM - 9:00 AM | Presidential Keynote: Comparative and developmental neurobiology of pair-bonding Location: Tromsøsalen 1-2 Speaker: Karen Bales ; Chair: Jill Silverman |
| 9:00 AM - 9:30 AM | Break Location: Foyer |

9:30 AM - 11:30 AM

Symposium 1: Vulnerability to cocaine addiction: underestimated contribution of drug PK?

Location: Tromsøsalen 1-2

Chair: Veronique Deroche-Gamonet ; Co-Chair: Dana Conlisk

A pharmacokinetic/pharmacodynamic (PK/PD) interaction explains patterns of cocaine self-administration in rats

9:30 AM - 10:00 AM

Location: Tromsøsalen 1-2

Speaker: Andrew Norman

Pharmacokinetics trumps pharmacodynamics during cocaine choice

10:00 AM - 10:30 AM

Location: Tromsøsalen 1-2

Speaker: Serge Ahmed

Individual variations in cocaine pharmacokinetics: relationship with self-administration behavior in rats

10:30 AM - 11:00 AM

Location: Tromsøsalen 1-2

Speaker: Dana Conlisk

Variation in nicotine metabolism alters smoking behaviours and cessation; a target for precision medicine

11:00 AM - 11:30 AM

Location: Tromsøsalen 1-2

Speaker: Rachel Tyndale

9:30 AM - 11:30 AM

Symposium 2: Neurocircuits regulating inter-male and inter-female aggression

Location: Tromsøsalen 3

Chair: Inga Neumann

Oxytocin and vasopressin in the septum and amygdala: Differential involvement in regulating aggression in virgin female rats

9:30 AM - 10:00 AM

Location: Tromsøsalen 3

Speaker: Inga Neumann

Gut-Brain Hormones and Aggression: Insights from Ghrelin and GLP-1 in Preclinical and Human Genetic Studies

10:00 AM - 10:30 AM

Location: Tromsøsalen 3

Speaker: Louise Adermark

Know Yourself and Your Enemies: Neural Encoding of Fights by Self and Others

10:30 AM - 11:00 AM

Location: Tromsøsalen 3

Speaker: Taehong Yang

The rise and fall of maternal aggression

11:00 AM - 11:30 AM

Location: Tromsøsalen 3

Speaker: Takashi Yamaguchi

9:30 AM - 11:30 AM

Symposium 3: Metabolism and Cognitive Health in Aging

Location: Rooms 313-315

Chair: Lori Newman ; Co-Chair: Joseph McQuail

Aging Astrocytes Lead to Shifts in Metabolism and Cognition

9:30 AM - 10:00 AM

Location: Rooms 313-315

Speaker: Lori Newman

Hippocampal perineuronal nets disrupt astrocytes in a mouse model of social memory dysfunction

10:00 AM - 10:30 AM

Location: Rooms 313-315

Speaker: Elise Cope

The interplay of mitochondrial function, diet, and ovarian hormones in cognitive aging

10:30 AM - 11:00 AM

Location: Rooms 313-315

Speaker: Joseph McQuail

Metabolism, Hormones, and Alzheimer's: Tailoring Brain Health Strategies for Women in Underserved Populations

11:00 AM - 11:30 AM

Location: Rooms 313-315

Speaker: Tamlyn Watermeyer

11:30 AM - 12:30 PM

Lunch

Location: Hotel Restaurant

11:30 AM - 12:30 PM

E&T Workshop: Building neuroscience curricula with an eye toward experiential learning.

Location: Tromsøsalen 1-2

Chair: Sharon Furtak ; Co-Chair: Melissa Maffeo, Katy Lack

12:30 PM - 2:30 PM

Symposium 4: Mesolimbic dopamine beyond motivation, reward and prediction error

Location: Tromsøsalen 1-2

Chair: Saleem Nicola

Why are we sleepy when we are bored? — Glioneuronal mechanisms integrating sleep homeostasis and motivation

12:30 PM - 1:00 PM

Location: Tromsøsalen 1-2

Speaker: Michael Lazarus

Dopamine signals the value of wakefulness: a general model of basal ganglia dopamine

1:00 PM - 1:30 PM

Location: Tromsøsalen 1-2

Speaker: Saleem Nicola

Actions gate dopamine plasticity in response to salient stimuli in the nucleus accumbens

1:30 PM - 2:00 PM

Location: Tromsøsalen 1-2

Speaker: Erin Calipari

Reward timescale controls the rate of behavioral and dopaminergic learning

2:00 PM - 2:30 PM

Location: Tromsøsalen 1-2

Speaker: Vijay Namboodiri

12:30 PM - 2:30 PM

Symposium 5: Cingulate cortex, motivation and cognitive control

Location: Tromsøsalen 3

Chair: Jill McGaughy ; Co-Chair: Adam Brockett

Hierarchical control of appetitive motivation: chemogenetic analysis of interactions between dorsolateral prefrontal and anterior cingulate cortices in the common marmoset

12:30 PM - 1:00 PM

Location: Tromsøsalen 3

Speaker: Angela Roberts

Causal contributions of the anterior cingulate cortex and the striatum for adaptive reinforcement learning and effort control during goal-directed behavior

1:00 PM - 1:30 PM

Location: Tromsøsalen 3

Speaker: Thilo Womelsdorf

The anterior cingulate cortex and the medial prefrontal cortex differentially regulate action selective signals in the dorsal medial striatum of rats

1:30 PM - 2:00 PM

Location: Tromsøsalen 3

Speaker: Adam Brockett

The effects of selective serotonergic lesions of the anterior cingulate cortex on attention

2:00 PM - 2:30 PM

Location: Tromsøsalen 3

Speaker: Jill McGaughy

12:30 PM - 2:30 PM

Symposium 6: The Emotional Cortex in all its facets: from hormones and adolescent development to neuronal diversity and disease

Location: Rooms 313-315

Chair: Hermany Munguba ; Co-Chair: Gabriela Manzano

Ketamine's Molecular and Circuit-Based Mechanisms Guide Improved Antidepressant Treatment

12:30 PM - 1:00 PM

Location: Rooms 313-315

Speaker: Hermany Munguba

Distinct reward representations in prefrontal cortex underlie differences in adolescent and adult motivation

1:00 PM - 1:30 PM

Location: Rooms 313-315

Speaker: Gabriela Manzano

Interneuron regulation of emotional memories

1:30 PM - 2:00 PM

Location: Rooms 313-315

Speaker: Kirstie Cummings

TBA

2:00 PM - 2:30 PM

Location: Rooms 313-315

2:30 PM - 3:00 PM

Break

Location: Foyer

3:30 PM - 5:30 PM

Symposium 7: Alcohol Use disorder - from mechanism discovery to pharmacotherapy design

Location: Tromsøsalen 1-2

Chair: Christian Müller ; Co-Chair: Kasia Radwanska

Hippocampal Cofilin and CFL1 gene variants are linked to Alcohol Use Disorder phenotypes

3:30 PM - 4:00 PM

Location: Tromsøsalen 1-2

Speaker: Kasia Radwanska

Targeting Opioid Receptors in the Management of Alcohol Use Disorder: Preclinical Evidence

4:00 PM - 4:30 PM

Location: Tromsøsalen 1-2

Speaker: Roberto Ciccocioppo

Use of cannabinoids to treat alcohol use disorder

4:30 PM - 5:00 PM

Location: Tromsøsalen 1-2

Speaker: Valentina Vengeliene

A new technology augmented pharmacotherapeutic approach to target alcohol addiction

5:00 PM - 5:30 PM

Location: Tromsøsalen 1-2

Speaker: Christian Müller

3:30 PM - 5:30 PM

Symposium 8: Shaping social behaviors: neural and endocrine mechanisms of social maturation in rodents

Location: Tromsøsalen 3

Chair: Laurence Coutellier

Neural circuits supporting social transitions in infant rats in typical and perturbed development

3:30 PM - 4:00 PM

Location: Tromsøsalen 3

Speaker: Maya Opendak

Adolescent maturation of neural circuits underlying social functions in mice

4:00 PM - 4:30 PM

Location: Tromsøsalen 3

Speaker: Laurence Coutellier

Modulation of social behaviour through endocrine adaptations in juvenility and adolescence

4:30 PM - 5:00 PM

Location: Tromsøsalen 3

Speaker: Melanie Gleske

Understanding the mechanisms underlying social fear and safety in experimental autism

5:00 PM - 5:30 PM

Location: Tromsøsalen 3

Speaker: Freddy Jeanneteau

3:30 PM - 5:30 PM

Symposium 9: Neural talks on aggression, defense and affective states

Location: Rooms 313-315

Chair: Newton Canteras

Aggression experience and observation promote shared behavioral and neural changes

3:30 PM - 4:00 PM

Location: Rooms 313-315

Speaker: Annegret Falkner

A body's guide to affective experience

4:00 PM - 4:30 PM

Location: Rooms 313-315

Speaker: Wulf Haubensak

Ventral Subiculum's putative roles in spatial coding to threat responses

4:30 PM - 5:00 PM

Location: Rooms 313-315

Speaker: Karolina Domingues

Periaqueductal Gray Modulation of Defensive Behavior and Aversive Learning

5:00 PM - 5:30 PM

Location: Rooms 313-315

Speaker: Antonio Carobrez

5:30 PM - 6:30 PM

WIL Networking Event

Location: Tromsøsalen 3

Speaker: Nicole Ferrara

6:30 PM - 6:30 PM

Dinner on Your Own

Thursday, June 26, 2025

7:00 AM - 8:00 AM

Breakfast Served at Hotel Restaurant

Location: Hotel Restaurant

8:00 AM - 10:00 AM

Poster Session 1

Location: Foyer

Sigma-1 receptor antagonism reduces palatable food reward-seeking behaviors in female rats on a high-fat diet with a history of binge-like eating

8:00 AM - 10:00 AM

Location: Poster #1

Speaker: Abanoub Armanious

Nutritional supplementation- an interventional approach to restore altered behaviour and neuronal morphology in rats exposed to early-life stress

8:00 AM - 10:00 AM

Location: Poster #2

Speaker: Abanti Chowdhury

A Novel Thermal Conflict Task to Investigate Approach-Avoidance Behavior Following Ablation of Neurogenesis

8:00 AM - 10:00 AM

Location: Poster #3

Speaker: Adam Swiercz

Surveying the Neural Cellular Landscape in Wild and Laboratory Rats: Neuronal and Glial Profiles

8:00 AM - 10:00 AM

Location: Poster #4

Speaker: Aditya Narayanan

Disinhibition of the ventral hippocampus or prefrontal cortex during adolescence causes distinct behavioral phenotypes in adults.

8:00 AM - 10:00 AM

Location: Poster #5

Speaker: Adriana Caballero

Roundup and glyphosate's impact on GABA-A signaling to elicit extended proconvulsant behavior in *Caenorhabditis elegans*

8:00 AM - 10:00 AM

Location: Poster #6

Speaker: Akshay Naraine

Optogenetic control of AgRP neurons to teach avoidance behaviour.

8:00 AM - 10:00 AM

Location: Poster #7

Speaker: Alex Reichenbach

Orexin neurons limit policy complexity

8:00 AM - 10:00 AM

Location: Poster #8

Speaker: Alexander Tesmer

Brain networks for punishment learning

8:00 AM - 10:00 AM

Location: Poster #9

Speaker: Alexandra Gregory

Nucleus accumbens D1 and D2 neurons have opposing effects on the neuronal and behavioral response to reward cues

8:00 AM - 10:00 AM

Location: Poster #10

Speaker: Alice Servonnet

Closed loop stimulation with pulsed tVNS synchronized with actions and outcomes during learning

8:00 AM - 10:00 AM

Location: Poster #11

Speaker: Anne Kühnel

TBA

8:00 AM - 10:00 AM

Location: Poster #12

Generation and characterization of a novel model of 15q11.2-q13.3 duplication syndrome, a common form of autism spectrum disorder

8:00 AM - 10:00 AM

Location: Poster #13

Speaker: Annie Y Yotova

Behavioral effects of protracted opioid abstinence and mGluR2/3 receptor antagonist in C57Bl/6 mice

8:00 AM - 10:00 AM

Location: Poster #14

Speaker: Anni-Maija Talvio

LHb Neural Dynamics During Drug Cessation from a Novel Delayed Punishment Paradigm

8:00 AM - 10:00 AM

Location: Poster #15

Speaker: Ari Peden-Asarch

Impaired brain maturation in the GFAP.HMOX1(0-12m) transgenic mouse model of schizophrenia

8:00 AM - 10:00 AM
Location: Poster #16
Speaker: Ayda Tavitian

Autism-like behavioral phenotypes in mice carrying R451C point mutation of Nlgn3 gene

8:00 AM - 10:00 AM
Location: Poster #17
Speaker: Özge Sungur

Cholinergic transmission regulates object memory malleability in wildtype and Alzheimer's disease model mice

8:00 AM - 10:00 AM
Location: Poster #18
Speaker: Boyer Winters

Investigating the Effect of Nitric Oxide Mimetics on a Multiple Sclerosis Zebrafish Model

8:00 AM - 10:00 AM
Location: Poster #19
Speaker: Briana Maktabi

CBD Treatment Alleviates Cognitive Impairments Induced by Extracellular Vesicles from SARS-CoV-2-Infected Cells

8:00 AM - 10:00 AM
Location: Poster #20
Speaker: Bruno Marques

Offline hand preshaping as a diagnostic marker of impaired visuomotor integration in cerebral visual impairment (CVI)

8:00 AM - 10:00 AM
Location: Poster #21
Speaker: Candace Burke

Individual differences in the expression of a network of genes in the dorsal hippocampus, influenced by early life stress in animals, impact cognitive outcomes in humans.

8:00 AM - 10:00 AM
Location: Poster #22
Speaker: Carla Dalmaz

Pharmacological Modulation of the Anterior Cingulate Cortex and Macaque Social Behavior

8:00 AM - 10:00 AM
Location: Poster #23
Speaker: Carleigh Turner

Demographics of the IBNS 2025 Annual Meeting participants, leadership, fellows, and travel awardee: A five-year update.

8:00 AM - 10:00 AM
Location: Poster #24
Speaker: Nicole Ferrara

The POMC+ neurons of the tuberal nucleus: what do they have to do with the female sexual behavior circuit?

8:00 AM - 10:00 AM
Location: Poster #25
Speaker: Carolina Zerbini

The effects of probiotic Lactobacillus rhamnosus on emotional learning and corticosterone stress response in male and female rats.

8:00 AM - 10:00 AM
Location: Poster #26
Speaker: Lisa Maeng

Prefrontal cortex activity during early-life modulates cognitive performance in adulthood

8:00 AM - 10:00 AM
Location: Poster #27
Speaker: Catia Teixeira

Old Mice Fail to Integrate a Memory Update into an Existing Hippocampal Engram

8:00 AM - 10:00 AM
Location: Poster #28
Speaker: Chad Brunswick

The effects of HDAC3i on updated fear memories in male mice

8:00 AM - 10:00 AM
Location: Poster #29
Speaker: Chad Smies

Behavioral dissections of ventral pallidum GABA neuron functions in opioid and food reward

8:00 AM - 10:00 AM
Location: Poster #30
Speaker: Christina Ruiz

TBA

8:00 AM - 10:00 AM
Location: Poster #31

Quantifying HPC-PFC circuit engagement using LFP and surface EEG in the PAL task

8:00 AM - 10:00 AM
Location: Poster #32
Speaker: Cristina Besosa

The incubation of oxycodone craving is reduced by daily sub-anesthetic ketamine

administration during forced abstinence in male Sprague Dawley rats

8:00 AM - 10:00 AM
Location: Poster #33
Speaker: Michael Stefanik

Preferred Approach to Familiar in Pain: Opioid Mediated Behaviour

8:00 AM - 10:00 AM
Location: Poster #34
Speaker: Crystal Mui

Dopamine and Serotonin Systems Affect Reward Sensitivity, Anxiety, and Alcohol Use Motives in Male Rats

8:00 AM - 10:00 AM
Location: Poster #35
Speaker: Cyprien Guerrin

Maternal fentanyl self-administration during pregnancy affects fentanyl-induced respiratory depression and antinociception in adult offspring.

8:00 AM - 10:00 AM
Location: Poster #36
Speaker: Daniela Rueedi-Bettschen

Persistence of menopause-associated neuroinflammation: implications for understanding behavioural consequences of ovarian hormone deprivation.

8:00 AM - 10:00 AM
Location: Poster #37
Speaker: Danique Zantinge

TBA

8:00 AM - 10:00 AM
Location: Poster #38

Alzheimer's disease-like in vivo model; Injection of amyloid-beta 1-42 oligomers into the hippocampi of aged mice induced Alzheimer's Disease-like phenotype.

8:00 AM - 10:00 AM
Location: Poster #39
Speaker: Lauren Currie

Cognitive and molecular predictors of anxious depression in a mouse model.

8:00 AM - 10:00 AM
Location: Poster #40
Speaker: Diána Pejtsik

Role of thermosensitive transient receptor potential (TRP) channels in thermal preference of male and female mice

8:00 AM - 10:00 AM
Location: Poster #41
Speaker: E Carstens

Risk factors for anxiety and depression linked to endocrine-sensitive life stages

8:00 AM - 10:00 AM
Location: Poster #42
Speaker: Maria Latorre Leal

Early R-Baclofen Treatment for Improving Sensory Challenges in Autism Spectrum Disorder

8:00 AM - 10:00 AM
Location: Poster #43
Speaker: Ella Doornaert

Tryptophan-enriched diet improves cognitive function and sleep in Down Syndrome mouse model.

8:00 AM - 10:00 AM
Location: Poster #44
Speaker: Elsa Pittaras

Periaqueductal Gray Subregions Differentially Regulate Stress Coping Response Feature

8:00 AM - 10:00 AM
Location: Poster #45
Speaker: Emily Schulz

Characterizing the role of movement in ventromedial striatal dopamine signals related to reward.

8:00 AM - 10:00 AM
Location: Poster #46
Speaker: Eugenia Poh

The effect of amygdala kindling on underlying pain sensitivity and pain-related emotional behaviours.

8:00 AM - 10:00 AM
Location: Poster #47
Speaker: Evana Xiao

Individual differences in willingness to work in rats are related to the cerebral dopamine neurotrophic factor (CDNF) in Nucleus Accumbens

8:00 AM - 10:00 AM
Location: Poster #48
Speaker: Ezgi Selcuk Filizoglu

Neural circuits underlying object pattern separation in a multiple-trial task

8:00 AM - 10:00 AM
Location: Poster #49
Speaker: Flávio Barbosa

Updates from the Education and Training Committee

8:00 AM - 10:00 AM
Location: Poster #50
Speakers: Sharon Furtak, Philip Jean-Richard-dit-Bressel

A state-of-the-art method for high-throughput, automated locomotor activity testing in neuropharmacology, safety, and toxicology studies.

8:00 AM - 10:00 AM
Location: Poster #51
Speaker: Francesco Mannara

Transcranial Infrared Laser Enhances Internet-Based Cognitive Behavioral Therapy for Depression

8:00 AM - 10:00 AM
Location: Poster #52
Speaker: Francisco Gonzalez-Lima

Cannabidiol administration during adolescence prevents behavioral and electrophysiological changes observed in the MAM model of schizophrenia

8:00 AM - 10:00 AM
Location: Poster #53
Speaker: Francisco Guimaraes

The hypersensitivity to drug actions induced by intense sexual activity in male rats involves the activation of nucleus accumbens cannabinoid type 1 receptors

8:00 AM - 10:00 AM
Location: Poster #54
Speaker: Gabriela Rodríguez-Manzo

Differential memory performance across the day-night cycle with regards to age and sex

8:00 AM - 10:00 AM
Location: Poster #55
Speaker: Gretchen Pifer

Synthetic Psychostimulant Photoaffinity Labeling Analogues Modulate Anxiety-Like Behavior in Adult Zebrafish

8:00 AM - 10:00 AM
Location: Poster #56
Speaker: Gurmam Boparai

Network-Level Brain Activity Mapping Reveals Neural Hubs Underlying Trauma Vulnerability in a Rat Model of PTSD

8:00 AM - 10:00 AM
Location: Poster #57
Speaker: Gyula Balla

RTFED; an open-source versatile tool for home-cage monitoring of behaviour and brain recording in mice

8:00 AM - 10:00 AM
Location: Poster #58
Speaker: Hamid Taghipour

Inflammatory presensitization increases vulnerability to hypoxia-ischaemia in the developing mouse brain

8:00 AM - 10:00 AM
Location: Poster #59
Speaker: Hanga Kelemen

Using Stress-Enhanced Fear Learning to Investigate Fear Sensitization in Male and Female Mice.

8:00 AM - 10:00 AM
Location: Poster #60
Speaker: Hannah Boyd

A universal hippocampal memory code across animals and environments

8:00 AM - 10:00 AM
Location: Poster #61
Speaker: Hannah Wirtshafter

Pharmacological Manipulation of Distress Modulates Helping Behavior in a Rodent Model of Altruism

8:00 AM - 10:00 AM
Location: Poster #62
Speaker: Hassan Lopez

Disrupting perirhinal GABAergic parvalbumin interneuron transmission impairs object category learning and recognition in mice

8:00 AM - 10:00 AM
Location: Poster #63
Speaker: Heather Collett

Chronic adolescent restraint stress increases alcohol consumption in BALB/cJ and C57BL/6J mice

8:00 AM - 10:00 AM
Location: Poster #64
Speaker: Helen Kamens

Impaired path-integration is associated with early Tau pathology in the entorhinal-hippocampal neural networks

8:00 AM - 10:00 AM
Location: Poster #65
Speaker: Hinze Ho

Maternal TLR7 activation increases maternal autoimmunity resulting in male-biased ASD-like behaviors

8:00 AM - 10:00 AM
Location: Poster #66
Speaker: Indra Bishnoi

Pharmacological validation of a novel model of anxiety trait.

8:00 AM - 10:00 AM
Location: Poster #67
Speaker: Margarita Tevosian

TBA

8:00 AM - 10:00 AM
Location: Poster #68

Investigating the Adaptive Zone: Exploring adaptive neural and endocrine mechanisms that integrate environmental information in wild versus lab rats

8:00 AM - 10:00 AM
Location: Poster #69
Speaker: Isabel DiLandro

The role of a cortico-hypothalamic pathway on metabolism and feeding behaviour

8:00 AM - 10:00 AM
Location: Poster #70
Speaker: Vasilios Drakopoulos

Effects on moral decision-making following transcranial magnetic stimulation

8:00 AM - 10:00 AM
Location: Poster #71
Speaker: Jamie Bushman

Moonlight magic: Neuroprotective effect of melatonin against chemotherapy-induced behavioral change

8:00 AM - 10:00 AM
Location: Poster #72
Speaker: Jeffrey Goris

Subthalamic nucleus encodes reward association

8:00 AM - 10:00 AM
Location: Poster #73
Speaker: Jennifer Collins

Environmental constraints on the perivascular-glymphatic system and sleep ontogenies: transition from land to sea in Southern Elephant Seal

8:00 AM - 10:00 AM
Location: Poster #74
Speaker: Jerome Badaut

Dexamphetamine and lisdexamphetamine treatments used to suppress binge-like eating cause iatrogenic sleep disturbances in female rats

8:00 AM - 10:00 AM
Location: Poster #75
Speaker: Joel Raymond

10:00 AM - 10:10 AM

Break

Location: Foyer

10:10 AM - 10:55 AM

Local Keynote Lecture: Neural and behavioural signatures of protein appetite

Location: Tromsøsalen 1-2
Speaker: James McCutcheon ; Chair: Eelke Snoeren

10:55 AM - 11:40 AM

Local Keynote Lecture: Translational psychopharmacology: Lessons from opioid drug studies in humans

Location: Tromsøsalen 1-2
Speaker: Siri Leknes ; Chair: Eelke Snoeren

11:40 AM - 1:00 PM

Lunch

Location: Hotel Restaurant

12:00 PM - 1:00 PM

EDI Workshop: Navigating Conflict

Location: Tromsøsalen 1-2
Speaker: Nicole Ferrara

1:00 PM - 3:00 PM

Symposium 10: Maladaptive behavioral strategies: Causes and consequences of drug exposure

Location: Tromsøsalen 1-2

Chair: Jacqueline Barker ; Co-Chair: Christina Curran-Alfaro

Cognitive inflexibility and associated dorsal striatal signaling dynamics predict punishment resistant cocaine seeking

1:00 PM - 1:30 PM

Location: Tromsøsalen 1-2

Speaker: Mary Torregrossa

Effects of chronic ethanol on mPFC activity during appetitive and aversive learning

1:30 PM - 2:00 PM

Location: Tromsøsalen 1-2

Speaker: Liz Glover

The Effects of Chronic Low-dose Ethanol on Reward Motivated Behaviors

2:00 PM - 2:30 PM

Location: Tromsøsalen 1-2

Speaker: Christina Curran-Alfaro

Bad habits – good goals? Translation of the habit construct to alcohol use disorder

2:30 PM - 3:00 PM

Location: Tromsøsalen 1-2

Speaker: Wolfgang Sommer

1:00 PM - 3:00 PM

Symposium 11: Neural and environmental modulators of social behavior

Location: Tromsøsalen 3

Chair: Jared Young

The impact of early life resource scarcity on the development of social behavior

1:00 PM - 1:30 PM

Location: Tromsøsalen 3

Speaker: Erin Harris

Sex-specific involvement of the oxytocin system in juvenile social play behavior

1:30 PM - 2:00 PM

Location: Tromsøsalen 3

Speaker: Samantha Bowden

Neurobiological and pharmacological characterization of an operant task of social decision-making in mice

2:00 PM - 2:30 PM

Location: Tromsøsalen 3

Speaker: Jared Young

1:00 PM - 3:00 PM

Symposium 12: Translational approaches for studying sensory processing and perception in neurodevelopmental conditions

Location: Rooms 313-315

Chair: Ella Doornaert ; Co-Chair: Dorit Möhrle

Unraveling the soundscape using rodent models: Auditory processing challenges in autism and Fragile X syndrome

1:00 PM - 1:30 PM

Location: Rooms 313-315

Speaker: Dorit Möhrle

Sensory gating in neurodevelopmental disorders: new approaches and therapeutic insights

1:30 PM - 2:00 PM

Location: Rooms 313-315

Speaker: Ella Doornaert

Somatosensory abnormalities in genetic models of autism spectrum disorders

2:00 PM - 2:30 PM

Location: Rooms 313-315

Speaker: Yuri Bozzi

Neural alterations in the neocortex underlie tactile perception changes in a mouse model of autism

2:30 PM - 3:00 PM

Location: Rooms 313-315

Speaker: Andreas Frick

3:00 PM - 3:30 PM

Break

Location: Foyer

3:30 PM - 4:30 PM

Keynote: Fear outside the box

Location: Tromsøsalen 1-2

Speaker: Newton Canteras ; Chair: Fendt, Markus

4:30 PM - 6:30 PM

Symposium 13: Recent advances in impulse control: A multi-modal perspective

Location: Tromsøsalen 1-2

Chair: Hayley MacDonald

Impulse control in clinical settings – examples from research on Parkinson's disease and addiction

4:30 PM - 5:00 PM

Location: Tromsøsalen 1-2

Speaker: Aleksander Erga

Impulse control disorders in Parkinson's disease: Neural correlates and non-pharmacological risk factors

5:00 PM - 5:30 PM

Location: Tromsøsalen 1-2

Speaker: Marit Ruitenberg

A ventral hippocampus to nucleus accumbens pathway regulates impulse control

5:30 PM - 6:00 PM

Location: Tromsøsalen 1-2

Speaker: Molly Klug

Using non-invasive brain stimulation to investigate mechanisms of impulse control: Insights from healthy adults and patients

6:00 PM - 6:30 PM

Location: Tromsøsalen 1-2

Speaker: Hayley MacDonald

4:30 PM - 6:30 PM

Symposium 14: Hypothalamic regulation of complex behaviors

Location: Tromsøsalen 3

Chair: Mijail Rojas-Carvajal ; Co-Chair: Jaideep Bains

Exercise counters stress effects on CRH-PVN neurons and anxiety without affecting fear recall

4:30 PM - 5:00 PM

Location: Tromsøsalen 3

Speaker: Mijail Rojas-Carvajal

TBA

5:00 PM - 5:30 PM

Location: Tromsøsalen 3

Calcium dynamics in hypothalamic paraventricular oxytocin neurons and astrocytes

5:30 PM - 6:00 PM

Location: Tromsøsalen 3

Speaker: Katrina Choe

Neural Encoding of Behavior Across Hypothalamic Regions

6:00 PM - 6:30 PM

Location: Tromsøsalen 3

Speaker: Stefanos Stagkourakis

4:30 PM - 6:30 PM

Symposium 15: Unlocking neural mechanisms of resilience using animal models

Location: Rooms 313-315

Chair: Dani Dumitriu ; Co-Chair: Yael Grossman

Restoring resilience following early-life stress via thyroid hormone treatment

4:30 PM - 5:00 PM

Location: Rooms 313-315

Speaker: Catherine Pena

Neurobiological Determinants of Resilience to Traumatic Memories in a Rat Model of PTSD

5:00 PM - 5:30 PM

Location: Rooms 313-315

Speaker: Patrizia Campolongo

Brain network-level correlates of resilience to fear dysregulation in a rodent PTSD model

5:30 PM - 6:00 PM

Location: Rooms 313-315

Speaker: Eva Mikics

Promoting resilience: manipulating brain-wide neural dynamics in a mouse model of aggression

6:00 PM - 6:30 PM

Location: Rooms 313-315

Speaker: Yael Grossman

6:30 PM - 6:30 PM

Dinner on Your Own

Friday, June 27, 2025

7:00 AM - 8:00 AM

Breakfast Served at Hotel Restaurant

Location: Hotel Restaurant

Dual Stressors and Memory Dynamics: Effects of Early-Life and Adult Stress on Recognition and Fear Memory

8:00 AM - 10:00 AM

Location: Poster #76

Speaker: Joelma Alves Lucio

Behavioral dynamics of different stages of sexual motivation in male and female rats.

8:00 AM - 10:00 AM

Location: Poster #77

Speaker: John Oyem

The role of lateral entorhinal cortex in systems consolidation is different both from the hippocampus and neocortical areas

8:00 AM - 10:00 AM

Location: Poster #78

Speaker: Jorge Quillfeldt

New compound, old story - A new generation of eternal pollutant induces neuroinflammation and behavior alterations in vertebrates

8:00 AM - 10:00 AM

Location: Poster #79

Speaker: Jerome Badaut

Anatomical and functional study of the gabaergic and glutamatergic cell groups in the cuneiform nucleus

8:00 AM - 10:00 AM

Location: Poster #80

Speaker: Juliane Ikebara

Examining the behavioral and immunological mechanisms in allergy

8:00 AM - 10:00 AM

Location: Poster #81

Speaker: Pooja Kher

Early life stress induces significant, chronic suppression of BDNF in the hippocampus, and exercise protects against this toxic effect in females, but not males.

8:00 AM - 10:00 AM

Location: Poster #82

Speaker: Kim Gerecke

Voluntary ethanol consumption disrupts circadian rhythm in female mice: preliminary observations exploring the utility of automated home cage monitoring

8:00 AM - 10:00 AM

Location: Poster #83

Speaker: Lauri Elsilä

Sex differences in hedonic feeding influenced by the gut microbiome

8:00 AM - 10:00 AM

Location: Poster #84

Speaker: Linnea Freeman

Brain acid sphingomyelinase - a sex-specific mechanism for drug addiction

8:00 AM - 10:00 AM

Location: Poster #85

Speaker: Liubov Kalinichenko

Novel Tank Test: The Behavioral Profiles of Fentanyl and a Photoaffinity Labeling Analog in Adult Casper Zebrafish

8:00 AM - 10:00 AM

Location: Poster #86

Speaker: Logan Kountz

CRF Signaling in the Lateral Septum: A Neural Switch for Social Fear Extinction

8:00 AM - 10:00 AM

Location: Poster #87

Speaker: Atefeh Akbari

Gender Differences in Stress-Induced Decision-Making: The Role of Physiological Arousal and Cognitive Strategies

8:00 AM - 10:00 AM

Location: Poster #88

Speaker: Lucia Hipolito

The Role of Sex and Ovarian Hormones in Sleep Loss-Induced Hippocampal Deficits

8:00 AM - 10:00 AM

Location: Poster #89

Speaker: Luisa Epifani

The effect of minocycline on cocaine- and predator odour memory reconsolidation in conditioned place preference and aversion

8:00 AM - 10:00 AM

Location: Poster #90

Speaker: Rick Hesén

TBA

8:00 AM - 10:00 AM

Location: Poster #91

Pathway of Alarm Pheromone Information in Rats: From the Medial Amygdala to the Bed Nucleus of the Stria Terminalis.

8:00 AM - 10:00 AM

Location: Poster #92

Speaker: Mao Kobayashi-Sakashita

Oxytocin mediates drug vulnerability in differentially reared rats

8:00 AM - 10:00 AM

Location: Poster #93

Speaker: Maggie Gill

Anandamide and the brain's response to stress: a multimodal analysis of behavior, molecular profiles, and whole brain imaging data

8:00 AM - 10:00 AM

Location: Poster #94

Speaker: Margarita Tevosian

Comorbidity between chronic restraint stress and cocaine self-administration in BDNF Met prodomain carriers

8:00 AM - 10:00 AM

Location: Poster #95

Speaker: Julieta Boezio

Ethanol-Induced Conditioned Place Preference Reveals an Alcohol-Seeking Engram in the Ventral Tegmental Area

8:00 AM - 10:00 AM

Location: Poster #96

Speaker: Mariam Zayour

Visuomotor adaptation and savings are preserved in individuals with depression

8:00 AM - 10:00 AM

Location: Poster #97

Speaker: Marit Ruitenberg

Differential effects of pharmacological orexin system activation on dizocilpine-induced schizophrenia-like behaviors in mice

8:00 AM - 10:00 AM

Location: Poster #98

Speaker: Fendt, Markus

Modulation of 6-OHDA-induced Behavioral Impairments by Gene Therapy with TGF- β 3

8:00 AM - 10:00 AM

Location: Poster #99

Speaker: Matías Jávega Cometto

Prefrontal somatostatin interneurons regulate complex network functioning driving depression-like behavior

8:00 AM - 10:00 AM

Location: Poster #100

Speaker: Mate Toth

The Effects of Chronic Low-dose Ethanol on Reward Motivated Behavior

8:00 AM - 10:00 AM

Location: Poster #101

Speaker: Christina Curran-Alfaro

Early life stress affects brain mitochondrial function and behavior in key developmental periods of Wistar rats.

8:00 AM - 10:00 AM

Location: Poster #102

Speaker: Fiona Hollis

Role of oxytocin in behavioural prioritization: examining competing social and food needs in mice

8:00 AM - 10:00 AM

Location: Poster #103

Speaker: Virginie Rappeneau

Effects of crack cocaine in anxiety and panic-related responses and in dorsal raphe serotonin neurons activation

8:00 AM - 10:00 AM

Location: Poster #104

Speaker: Milena Viana

Effects of sleep deprivation on contextual fear conditioning and extinction in adult rats.

8:00 AM - 10:00 AM

Location: Poster #105

Speaker: Miriam Nokia

It takes an ensemble to help: Prosocial learning recruits cell subpopulation in the dorsal hippocampus in mice.

8:00 AM - 10:00 AM

Location: Poster #106

Speaker: Moisés Dos Santos Corrêa

Valence of taste stimuli governs evoked mesolimbic dopamine responses and behavioral reactivity in conditioned taste aversion paradigm

8:00 AM - 10:00 AM

Location: Poster #107

Speaker: Max Loh

Influence of adult hippocampal neurogenesis on prosocial behaviors in rats

8:00 AM - 10:00 AM

Location: Poster #108

Speaker: Mumeko Tsuda

Orexin receptor antagonism on motivated behaviors and gut microbial communities

8:00 AM - 10:00 AM

Location: Poster #109

Speaker: Kimberlei Richardson

Tau-Driven Aggression in an Alzheimer's Disease Mouse Model: Insights from

Behavioral Studies

8:00 AM - 10:00 AM
Location: Poster #110
Speaker: Nicolas Landgraf

Acute treatment with captopril provides rapid antidepressant-like action in male mice.

8:00 AM - 10:00 AM
Location: Poster #111
Speaker: Nicole Quintus

Role of Dopamine Inhibition in Punishment-Resistant Reward-Seeking Behavior

8:00 AM - 10:00 AM
Location: Poster #112
Speaker: Nkatha Mwenda

Rewiring reality: How virtual and physical spaces reshape R. Norvegicus neuroplasticity

8:00 AM - 10:00 AM
Location: Poster #113
Speaker: Paeon Luby

Identifying distinct prefrontal molecular pathways underlying sex-specific effects of fetal growth restriction on reward sensitivity and executive function

8:00 AM - 10:00 AM
Location: Poster #114
Speaker: Patricia Maidana Miguel

Long-term behavioural and neurochemical alterations following in utero co-exposure to aluminium and cadmium in mice.

8:00 AM - 10:00 AM
Location: Poster #115
Speaker: Patrick ICHIP-IFUKOR

Effort-requiring behaviors and changes in Nucleus Accumbens CDNF: the role of individual differences in mice

8:00 AM - 10:00 AM
Location: Poster #116
Speaker: Paula Matas-Navarro

Derepression of transposable elements in mouse prefrontal cortex disrupts social behavior

8:00 AM - 10:00 AM
Location: Poster #117
Speaker: Peter Hamilton

Performance on a Traveling Salesman Task by Aging Rats

8:00 AM - 10:00 AM
Location: Poster #118
Speaker: Rachel Blaser

Collecting and evaluating animal models in mental health science and building an online resource for researchers: A Wellcome initiative

8:00 AM - 10:00 AM
Location: Poster #119
Speaker: Rachel Hill

Beating the diagnostic clock: investigating sensory-motor alterations in mutant mice as early signs of Rett syndrome

8:00 AM - 10:00 AM
Location: Poster #120
Speaker: Chiara Urbinati

Individual variations in cocaine pharmacokinetics: relationship with self-administration behavior in rats

8:00 AM - 10:00 AM
Location: Poster #121
Speaker: Dana Conlisk

Optogenetic manipulation of INS-PrL connectivity: effects on cocaine self-administration and behavioral endophenotypes in male Long Evans rats

8:00 AM - 10:00 AM
Location: Poster #122
Speaker: Ricardo Sosa Jurado

The role of zinc in experience dependent modulation of adult hippocampal neurogenesis in female mice

8:00 AM - 10:00 AM
Location: Poster #123
Speaker: Richard Dyck

Hippocampal sharp-wave ripples during water-maze reversal learning.

8:00 AM - 10:00 AM
Location: Poster #124
Speaker: Jolien Neven

Sex differences in behavioral traits predicting PTSD vulnerability in a rodent model of PTSD

8:00 AM - 10:00 AM
Location: Poster #125
Speaker: Robert D Marothy

Cannabigerol Reduces Hippocampal Neurodegeneration and Glial Response in Ischemic Mice

8:00 AM - 10:00 AM
Location: Poster #126
Speaker: Rubia Weffort de Oliveira

Electrophysiology and seizures in a mouse model of KCNT1-related epilepsy

8:00 AM - 10:00 AM
Location: Poster #127
Speaker: Jill Silverman

Corticostriatal modulation drives purinergic-like signalling within the Nucleus Accumbens

8:00 AM - 10:00 AM
Location: Poster #128
Speaker: Sebastian McCullough

Social Context's Role in Shaping Empathy and Social Decision-Making in Non-Human Primates

8:00 AM - 10:00 AM
Location: Poster #129
Speaker: Shahab Zarei

Antidepressant-like effects and fronto-insular circuit mechanisms of accelerated intermittent theta burst stimulation.

8:00 AM - 10:00 AM
Location: Poster #130
Speaker: Shane Johnson

Sex- and Time-Dependent Effects of Psilocybin on Social Behaviours in Mice

8:00 AM - 10:00 AM
Location: Poster #131
Speaker: Sheida Shadani

Genetic Influences on the Effects of Acute Ethanol on Trace Fear Conditioning in Mice

8:00 AM - 10:00 AM
Location: Poster #132
Speaker: Sheree Logue

Balancing Early Adversity and Maternal Support: Investigating Endocrine and Behavioral Developmental Outcomes in a Mouse Model

8:00 AM - 10:00 AM
Location: Poster #133
Speaker: Sien Verelst

Estrogen's relationship with human cerebrospinal fluid proteomics and brain volume - is measuring estrogen in the blood really enough?

8:00 AM - 10:00 AM
Location: Poster #134
Speaker: William Hu

Developing a New Neuroplastogen, ITI-1549, a Serotonin 5-HT_{2a} Agonist for the Treatment of Neuropsychiatric Disorders

8:00 AM - 10:00 AM
Location: Poster #135
Speaker: Sophie Duthiel

Brain-Immune-Genome (BIG) Clinical Profile – Neurological Behavioral Outcomes and Vaccination Prevention Following COVID-19 Stroke Adults

8:00 AM - 10:00 AM
Location: Poster #136
Speaker: Pei Chuang

Impact of prenatal visfatin inhibition on ASD-like behavioral phenotypes in rats

8:00 AM - 10:00 AM
Location: Poster #137
Speaker: Sueda Tuncak

Demographics of the IBNS 2025 Annual Meeting participants, leadership, fellows, and travel awardees: A 5-year update

8:00 AM - 10:00 AM
Location: Poster #138
Speaker: Sydney Trask

Opioid receptors in the anterior nucleus accumbens mediate social buffering

8:00 AM - 10:00 AM
Location: Poster #139
Speaker: Takumi Yamasaki

Rumination, CRH neurons and the lasting effects of stress

8:00 AM - 10:00 AM
Location: Poster #140
Speaker: Tamas Fuzesi

Opioid locomotor activation, sensitisation, and conditioned reward: Effects of mGluR2/3 antagonism and lack of mGluR3 in mice.

8:00 AM - 10:00 AM
Location: Poster #141
Speaker: Teemu Aitta-aho

A novel single session audio discrimination paradigm for the automation of the rodent attentional set shifting task.

8:00 AM - 10:00 AM
Location: Poster #142
Speaker: Tegan Knott

Genetic analysis of differences in hippocampal-dependent learning and transcriptome

8:00 AM - 10:00 AM
Location: Poster #143
Speaker: Thomas Gould

The long-term impact of juvenile social isolation in mice - focusing on the role of

serotonin and synaptic function

8:00 AM - 10:00 AM

Location: Poster #144

Speaker: Tianhua Wang

A novel mouse model of acute neuroinflammation shows schizophrenia-like behavioural phenotypes

8:00 AM - 10:00 AM

Location: Poster #145

Speaker: Tim Karl

Could heat therapy be utilised as a novel treatment for Alzheimer's disease? Insights from a pilot study in mice.

8:00 AM - 10:00 AM

Location: Poster #146

Speaker: Tim Karl

Performance of the Traveling Salesperson Problem by Aging Adults

8:00 AM - 10:00 AM

Location: Poster #147

Speaker: Tim Olsen

A common feature of preclinical psychiatric behavioral assays is encoded in male, but not female, prelimbic cortex

8:00 AM - 10:00 AM

Location: Poster #148

Speaker: Travis Moschak

Metformin alleviates chemotherapy-induced behavioural changes

8:00 AM - 10:00 AM

Location: Poster #149

Speaker: Ünal Batuhan Uysal

Investigating the Effects of Trimethylthiazoline on Defensive Responses

8:00 AM - 10:00 AM

Location: Poster #150

Speaker: Zahra Siddiqi

Revisiting the cannabinoid-opioid interaction hypothesis using conditional CB1 and μ opioid receptor knockout mice

8:00 AM - 10:00 AM

Location: Poster #151

Speaker: Zhengxiong Xi

Impairment of goal-directed control in alcohol-dependent rats is a generalized phenomenon broadly mediated by the pDMS but only partially by D1-MSNs.

8:00 AM - 10:00 AM

Location: Poster #152

Speaker: Francesco Giannone

10:00 AM - 10:30 AM

Break

Location: Foyer

10:30 AM - 12:30 PM

Symposium 16: Endogenous opioids modulation of negative affect

Location: Tromsøsalen 1-2

Chair: Renata Marchette

Striatal enkephalin modulates plasticity of select GABA circuits and has distinct roles for conditioned cocaine seeking, taking, and avoidance

10:30 AM - 11:00 AM

Location: Tromsøsalen 1-2

Speaker: Lauren Dobbs

Dissecting the necessity for dynorphin KOR in driving pain -induced negative affect and anhedonia

11:00 AM - 11:30 AM

Location: Tromsøsalen 1-2

Speaker: Niko Massaly

The role of dynorphin in the periaqueductal grey in the vulnerability to fentanyl addiction-like behaviors

11:30 AM - 12:00 PM

Location: Tromsøsalen 1-2

Speaker: Renata Marchette

Sex-specific mechanisms of pain, negative affective states and addiction-like behaviors: developing brain targeted KOR antagonist formulations

12:00 PM - 12:30 PM

Location: Tromsøsalen 1-2

Speaker: Lucia Hipolito

10:30 AM - 12:30 PM

Symposium 17: Neural and physiological mechanisms underlying effortful motivated behavior across species

Location: Tromsøsalen 3

Chair: Puja Parekh

Differential effects of monoamine transport inhibitors on effort-based choice behavior in male and female rats: Implications for treating motivational dysfunction in depression and other disorders

10:30 AM - 11:00 AM

Location: Tromsøsalen 3

Speaker: Mercè Correa

Frontocortical circuit and gene-regulatory changes in mice susceptible to motivational impairments following chronic psychosocial stress

11:00 AM - 11:30 AM

Location: Tromsøsalen 3

Speaker: Puja Parekh

Dopaminergic modulation of response-choice based on physical effort in mice

11:30 AM - 12:00 PM

Location: Tromsøsalen 3

Speaker: Andrea Martinez-Verdu

Vagal Afferent Regulation of Motivation

12:00 PM - 12:30 PM

Location: Tromsøsalen 3

Speaker: Nils Kroemer

10:30 AM - 12:30 PM

Symposium 18: The gut-brain axis: Role of the gut in the development of affective and cognitive impairment.

Location: Rooms 313-315

Chair: Michelle Hook

Harnessing the therapeutic potential of intestinal epithelial stem cells to improve post-stroke cognitive impairment

10:30 AM - 11:00 AM

Location: Rooms 313-315

Speaker: Farida Sohrabji

Does SCI-induced disruption of the blood-gut barrier drive depression and cognitive impairment?

11:00 AM - 11:30 AM

Location: Rooms 313-315

Speaker: Michelle Hook

Of Bowels, Brain and Behaviour: The Microbiota-Gut-Brain Axis in Psychiatry and Beyond

11:30 AM - 12:00 PM

Location: Rooms 313-315

Speaker: Gerard Clarke

Gut-Derived Vagus Nerve Signaling Promotes Memory Function

12:00 PM - 12:30 PM

Location: Rooms 313-315

Speaker: Lea Decarie-Spain

12:30 PM - 1:30 PM

Lunch

Location: Hotel Restaurant

1:30 PM - 2:30 PM

Keynote: The Neurobiology of Stress-Related Memories: Basic and Translational Perspective

Location: Tromsøsalen 1-2

Speaker: Jelena Radulovic ; Chair: Eelke Snoeren

2:30 PM - 3:00 PM

Break

Location: Foyer

3:00 PM - 5:00 PM

Symposium 19: Neural connectivity and functions of the subthalamic nucleus

Location: Tromsøsalen 1-2

Chair: Asheeta Prasad ; Co-Chair: Jennifer Collins

From rats to humans: role of STN in addiction

3:00 PM - 3:30 PM

Location: Tromsøsalen 1-2

Speaker: Christelle Baunez

Dissecting subthalamic circuits and their implication for motivation pathophysiology

3:30 PM - 4:00 PM

Location: Tromsøsalen 1-2

Speaker: Yvan Vachez

The microcircuitry of the subthalamic nucleus in normal condition and in Parkinson's disease

4:00 PM - 4:30 PM

Location: Tromsøsalen 1-2

Speaker: Martin Parent

Cellular organisation and functions of the Subthalamic nucleus

4:30 PM - 5:00 PM

Location: Tromsøsalen 1-2

Speaker: Asheeta Prasad

3:00 PM - 5:00 PM

Symposium 20: Neurobehavioral Bases of Flexibility and Tolerance of Uncertainty in Decision Making

Location: Tromsøsalen 3

Chair: Fernando Fernandez ; Co-Chair: Aleksandra Vicentic

Hedonic Eating: The Role of Stress-Driven Multivariate Associations Between The Reward Brain Network and Gut Microbiota

3:00 PM - 3:30 PM

Location: Tromsøsalen 3

Speaker: Silvia Papalini

Time varying contributions of value, uncertainty and novelty to exploratory decision making in humans: computational, behavioral and neural evidence

3:30 PM - 4:00 PM

Location: Tromsøsalen 3

Speaker: John O'Doherty

Translational neuroeconomics: Capturing complex decision-making processes across species

4:00 PM - 4:30 PM

Location: Tromsøsalen 3

Speaker: Brian Sweis

Learning from uncertainty

4:30 PM - 5:00 PM

Location: Tromsøsalen 3

Speaker: Christine Constantinople

3:00 PM - 5:00 PM

Symposium 21: The role of mesolimbic dopamine in the processing of aversive stimuli and related behaviors

Location: Rooms 313-315

Chair: Ingo Willuhn ; Co-Chair: Max Loh

Aversion-induced dopamine reductions predict drug-taking and escape behaviors

3:00 PM - 3:30 PM

Location: Rooms 313-315

Speaker: Elaine Grafelman

Dopamine signaling encodes the changing valence of the same stimulus throughout conditioned taste aversion paradigms

3:30 PM - 4:00 PM

Location: Rooms 313-315

Speaker: Max Loh

A disengaging property of dopamine signaling

4:00 PM - 4:30 PM

Location: Rooms 313-315

Speaker: Jon Britt

Exploring the contrasting effects of appetitive and aversive stimuli on striatal dopamine release

4:30 PM - 5:00 PM

Location: Rooms 313-315

Speaker: Ingo Willuhn

5:00 PM - 5:30 PM

Outstanding Achievement Award. Development of Transcranial Photobiomodulation for Behavioral Neuroscience Research.

Location: Tromsøsalen 1-2

Speaker: Francisco Gonzalez-Lima ; Chair: Jill Silverman

5:30 PM - 6:00 PM

Early Career Achievement Award

Location: Tromsøsalen 1-2

Speaker: Liubov Kalinichenko ; Chair: Jill Silverman

6:00 PM - 6:00 PM

Dinner on Your Own

Saturday, June 28, 2025

7:30 AM - 8:00 AM

Breakfast Served at Hotel Restaurant

Location: Hotel Restaurant

8:00 AM - 10:00 AM

Symposium 22: Neurobiological Mechanisms of Memory Updating and Extinction in Fear and Addiction

Location: Tromsøsalen 1-2

Chair: Lucas Alvares ; Co-Chair: Josué Haubrich

Muscarinic acetylcholine receptors regulate destabilization and updating of contextual fear memories in rats

8:00 AM - 8:30 AM

Location: Tromsøsalen 1-2

Speaker: Boyer Winters

Different memory engrams regulate fear and extinction processes

8:30 AM - 9:00 AM

Location: Tromsøsalen 1-2

Speaker: Lucas Alvares

Modulation of memory encoding, reconsolidation, and extinction learning by the locus coeruleus-noradrenaline system

9:00 AM - 9:30 AM

Location: Tromsøsalen 1-2

Speaker: Josué Haubrich

Role of Neuronal Ensembles in the Reinstatement of Drug-seeking Behavior.

9:30 AM - 10:00 AM

Location: Tromsøsalen 1-2

Speaker: Fabio Cruz

8:00 AM - 10:00 AM

Symposium 23: Neurochemical Pathways Underlying Social and Affective Behaviors

Location: Tromsøsalen 3

Chair: Samuel Budniok

Oxytocin and maternal behavior

8:00 AM - 8:30 AM

Location: Tromsøsalen 3

Speaker: Heather Caldwell

Social play in juvenile rats is modulated by mu-opioid receptors

8:30 AM - 9:00 AM

Location: Tromsøsalen 3

Speaker: Marijke Achterberg

Interdependency between oxytocin and dopamine in trust-based learning in mice

9:00 AM - 9:30 AM

Location: Tromsøsalen 3

Speaker: Samuel Budniok

Oxytocin facilitates social behavior through interneurons in the prefrontal cortex

9:30 AM - 10:00 AM

Location: Tromsøsalen 3

Speaker: Valery Grinevich

8:00 AM - 10:00 AM

Symposium 24: Cognitive Flexibility in Development and Disease

Location: Rooms 313-315

Chair: Fendt, Markus ; Co-Chair: Samia Afzal

Prefrontal reorganization during adolescence supports the functional development of cognitive flexibility

8:00 AM - 8:30 AM

Location: Rooms 313-315

Speaker: Jastyn Pöpplau

Role of NMDA receptor subunits in cognitive flexibility

8:30 AM - 9:00 AM

Location: Rooms 313-315

Speaker: Samia Afzal

Insulin beyond diabetes: executive function deficits in hyperglycemic mice

9:00 AM - 9:30 AM

Location: Rooms 313-315

Speaker: Simone Macri

TBA

9:30 AM - 10:00 AM

Location: Rooms 313-315

10:00 AM - 10:30 AM

Break

Location: Foyer

10:30 AM - 12:30 PM

Symposium 25: Neural and behavioral dynamics of human social connectedness and wellbeing in caregiver-child dyads

Location: Tromsøsalen 1-2

Chair: Andreane Lavallee ; Co-Chair: Dani Dumitriu

Development and intergenerational perspectives on the corticolimbic brain circuitry and relations to mental well-being

10:30 AM - 11:00 AM

Location: Tromsøsalen 1-2

Speaker: Nora Raschle

Investigating the Link Between Child Temperament, Affect, and Mother-Child Interpersonal Neural Synchrony During Social Interactions: An fNIRS Hyperscanning Study

11:00 AM - 11:30 AM

Location: Tromsøsalen 1-2

Speaker: Alessandro Carollo

Investigating the role of teacher-child neural scaffolding on executive function development in preschool children

11:30 AM - 12:00 PM

Location: Tromsøsalen 1-2

Speaker: Rachel Green

Mother-infant emotional exchange to target biobehavioral synchrony and promote child development

12:00 PM - 12:30 PM

Location: Tromsøsalen 1-2

Speaker: Andreane Lavallee

10:30 AM - 12:30 PM

Symposium 26: Natural behaviors: principles of motor production from neural circuits to muscles to behavior

Location: Tromsøsalen 3

Chair: Vanessa Stempel ; Co-Chair: Daniela Vallentin

Brainstem circuits for instinctive behaviour production

10:30 AM - 11:00 AM

Location: Tromsøsalen 3

Speaker: Vanessa Stempel

Neural dynamics for beak motor control during singing and eating

11:00 AM - 11:30 AM

Location: Tromsøsalen 3

Speaker: Cesar Vargas

Auditory-evoked activity in avian vocal premotor cortex encodes caller familiarity for individual-specific vocal responses

11:30 AM - 12:00 PM

Location: Tromsøsalen 3

Speaker: Jonathan Benichov

Nest building in a shell-dwelling cichlid: From innate motor programs to learned precision

12:00 PM - 12:30 PM

Location: Tromsøsalen 3

Speaker: Swantje Grätsch

10:30 AM - 12:30 PM

Symposium 27: Stress effects on memory processes

Location: Rooms 313-315

Chair: Gina Quirarte ; Co-Chair: Erika Atucha

Striatal Glucocorticoids Influence Consolidation and Retrieval of Emotional Memories

10:30 AM - 11:00 AM

Location: Rooms 313-315

Speaker: Gina Quirarte

Glucocorticoid effects on systems consolidation and memory specificity

11:00 AM - 11:30 AM

Location: Rooms 313-315

Speaker: Raquel Fornari

Norepinephrine effects on memory consolidation and the nature of the memory representation

11:30 AM - 12:00 PM

Location: Rooms 313-315

Speaker: Erika Atucha

Stress and memory: exploring the role of sex differences

12:00 PM - 12:30 PM

Location: Rooms 313-315

Speaker: Giulia Federica Mancini

12:30 PM - 1:30 PM

Lunch

Location: Hotel Restaurant

1:30 PM - 3:30 PM

Symposium 28: The best defense is a good PAG: “ New advances in understanding threat perception and defensive response integration in rodents and humans

Location: Tromsøsalen 1-2

Chair: Jason Radley

The role of the periaqueductal gray in defensive behaviour evolution of Peromyscus mice

1:30 PM - 2:00 PM

Location: Tromsøsalen 1-2

Speaker: Katja Reinhard

Evidence for a prefrontal–central gray circuit in the coordination of stress coping

2:00 PM - 2:30 PM

Location: Tromsøsalen 1-2

Speaker: Jason Radley

Integrated cardio-behavioural defensive state dynamics

2:30 PM - 3:00 PM

Location: Tromsøsalen 1-2

Speaker: Philip Tovote

How reactive defensive circuits coordinate self-defense and protection of others in humans

3:00 PM - 3:30 PM

Location: Tromsøsalen 1-2

Speaker: Joana Vieira

1:30 PM - 3:30 PM

Symposium 29: Impact of Sensitive Periods on Corticolimbic function and Behavioral Adaptations

Location: Tromsøsalen 3

Chair: Kuei Tseng ; Co-Chair: Camila Demaestri

Impact of Early Life Adversity on Prefrontal circuit maturation

1:30 PM - 2:00 PM

Location: Tromsøsalen 3

Speaker: Kuei Tseng

Fear responding shaped by central amygdala CRF+ neurons

2:00 PM - 2:30 PM

Location: Tromsøsalen 3

Speaker: Camila Demaestri

Social experience in adolescence shapes the cortico-amygdala milieu and social decision making in adulthood

2:30 PM - 3:00 PM

Location: Tromsøsalen 3

Speaker: Shannon Gourley

Exploring the long-term effects of adolescent cannabis vapor exposure on cortical circuits

3:00 PM - 3:30 PM

Location: Tromsøsalen 3

Speaker: Kristen Delevich

1:30 PM - 3:30 PM

Symposium 30: New developments in the neurobiology of social play behaviour: sex differences, genetics, groups and risk taking

Location: Rooms 313-315

Chair: Emel Souiki ; Co-Chair: Marijke Achterberg

Glia as sculptors of sex differences in social play behavior

1:30 PM - 2:00 PM

Location: Rooms 313-315

Speaker: Jonathan VanRyzin

Autism-like social deficits in play and 50-kHz ultrasonic communication in the heterozygous Canca1c rat model

2:00 PM - 2:30 PM

Location: Rooms 313-315

Speaker: Theresa Kisko

Group play and partner preferences in the laboratory rat

2:30 PM - 3:00 PM

Location: Rooms 313-315

Speaker: Jackson Ham

The impact of risky play on cognitive flexibility and stress resilience in juvenile rats

3:00 PM - 3:30 PM

Location: Rooms 313-315

Speaker: Emel Souiki

3:30 PM - 4:00 PM

Break

Location: Foyer

4:00 PM - 4:30 PM

Business Meeting

Location: Tromsøsalen 1-2

Chair: Jill Silverman

4:30 PM - 5:30 PM

Bench-to-Bedside Keynote: Why Paying Attention to Sex Matters to Improve Translation

Location: Tromsøsalen 1-2

Speaker: Liisa Galea ; Chair: Alexa Veenema

5:30 PM - 7:30 PM

Break

Location: Foyer

7:30 PM - 11:00 PM

Awards Banquet

Location: Tromsøsalen 1-3

Sunday, June 29, 2025