

**ZSN final examination
PhD programme "Systems Neuroscience"**

Thursday, 17 October 2024

13:00	Address of welcome Coffee
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Moderation: Mazzuoli-Weber

13:10– 14:10	Shamini Hemandhar Kumar "bootGSEA: A resampling pipeline for multi-omics and multi-study gene-set enrichment analysis and applications to Spinal Muscular Atrophy" Institute of Animal Genomics, TiHo K. Jung, Claus, Schughart
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14:10– 15:10	Saskia Borsdorf "Interplay between the serotonin receptor 7 and the hyaluronan receptor CD44 as a novel regulator of neuronal functions" Institute of Cellular Neurophysiology, MHH Ponimaskin, Claus, Ngezahayo
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15:10– 16:10	Alina Brüge "Investigating the therapeutic potential of serotonin receptor 7 in tau-mediated neurodegenerative diseases" Institute of Cellular Neurophysiology, MHH Ponimaskin, Claus, Felmy
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16:10– 16:20	Consultation of supervision groups
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17.10.2024, Under reservations and subject to changes

Friday, 18 October 2024

09:00 **Address of welcome**

Moderation: Beineke

09:10–
10:10 **Anna-Sophia Hartke**
“The interplay of lipopolysaccharide and alpha-synuclein to model gut-brain pathophysiology in Parkinson's Disease”
Institute of Pharmacology, Toxicology and Pharmacy, TiHo
Richter Assêncio, Mazzuoli-Weber, Höllerhage

10:10–
11:10 **Alina Sophia Sehnert**
“Investigation of structural and functional features of human colonic myenteric neurons”
Institute of Physiology and Cell Biology, TiHo
Mazzuoli-Weber, Richter Assêncio, Claus

11:10–
12:10 **Maria Antonia Joseph**
“Transcriptomic profiling of the hippocampus and frontal cortex in the context of cognitive dysfunction in mouse models of Spinal Muscular Atrophy and Parkinson's disease”
Institute of Pharmacology, Toxicology and Pharmacy, TiHo
Richter Assêncio, Claus, Volk

12:10–
12:30 **Lunch break**
12:30 **Consultation of supervision groups**

Moderation: Haastert-Talini

12:30–
13:30 **Katharina Strienke**
“Actin-binding proteins in Spinal Muscular Atrophy (SMA) and other neurodegenerative diseases: Molecular disease mechanisms”
SMATHERIA gGmbH – Non-Profit Biomedical Research Institute, Hannover
Claus, Petri, Volk

13:30–
14:30 **Cara Sophie Schreiber**
“Investigation on persistent brain dysfunction in Long-COVID in different animal models”
Institute of Pharmacology, Toxicology and Pharmacy, TiHo
Richter Assêncio, Beineke, Schwabe

14:30–
14:40 **Consultation of supervision groups**

17.10.2024, Under reservations and subject to changes



Zentrum für systemische Neurowissenschaften Hannover

Public final examination
ZSN PhD students

17 and 18 October 2024
TiHo, Institute of Animal Genomics, lecture hall

Monday, 28 October 2024

Moderation: Claus

Thuy Thi Lai

14:15–
15:15

“The interplay of alpha-synuclein pathology and neuroinflammation in the pathogenesis of neuropsychiatric symptoms in Parkinson's disease”

Institute of Pharmacology, Toxicology and Pharmacy, TiHo

Richter Assêncio, Esser, Altenmüller

17.10.2024, Under reservations and subject to changes



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