

ALS/MND Science Day



October 9th - 10th
2025

Intercity Hotel
Frankfurt Flughafen



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INVITATION

Dear colleagues,

we cordially invite you to the ALS/MND Science Day 2025 in Frankfurt. The symposium has been wonderfully established in recent years to promote scientific exchange between working groups and to enable contact between young talents and established clinicians in an informal atmosphere.

We are especially looking forward to the exchange with our friends from France (Filsan-Network), Sweden and Belgium, which will be very enriching. A special moment will also be the keynote lecture by Prof. M. Benatar (Miami), who will talk about his research on and the importance of preclinical gene carriers.

We look forward to welcoming you all in Frankfurt and hope to have a lively exchange.

With best regards,

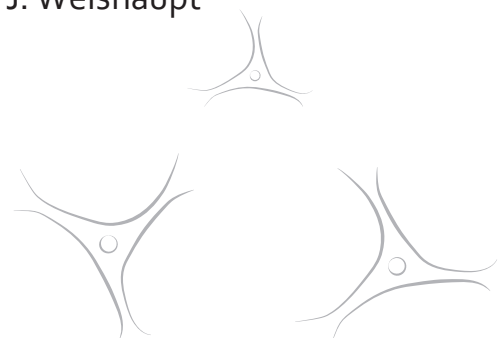
Yours



Dr. J. Schuster



Prof. Dr. J. Weishaupt



INFORMATION

■ Address:

Intercity Hotel
Frankfurt Airport
Am Luftbrückendenkmal 1
60549 Frankfurt am Main



Directions (via Google):
(scan QR code with smartphone)

■ Contact:

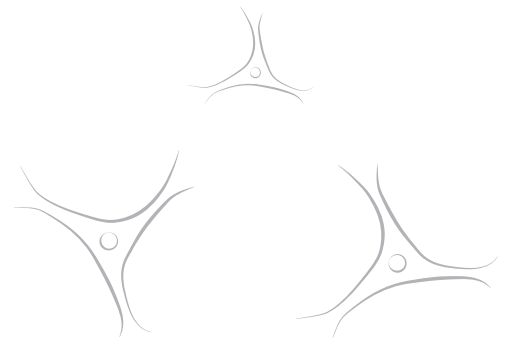


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MND-NET

German Network for
Motor Neuron Diseases



PROGRAM

Thursday, October 9th

13:00 – 14:00 Check-in and meeting registration, get together

14:00 Welcome

14:15 - 18:00 Study Nurse Forum (Room „Gate 2 and 3“)

14:15 - 15:30 Pathophysiology and molecular mechanism of MND (1)

Chair: Francesco Roselli, Thomas Meyer

Systemic footprints of hypothalamic and motor endophenotypes in ALS patients, Sruthi S Krishnamurthy, Ulm

Type-I interferon-dependent autophagy as therapeutic target in TBK1-ALS, Noah Seebacher, Ulm

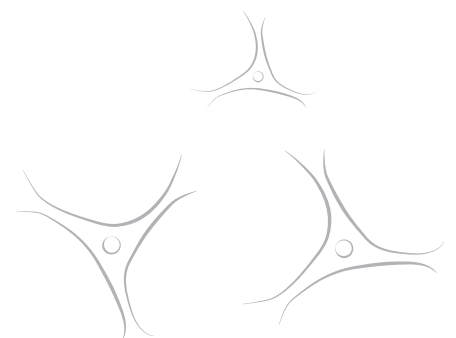
Influence of variants in obesity-related genes on the phenotype of ALS, Jens Truong, Ulm

Large-scale mapping of the MCH network in ALS mice reveals the distinct vulnerability of dopaminergic neurons in Zona Incerta, Jelena Scekcic-Zahirovic, Ulm, *rapid fire*

Characterization of mice with knock-in of an ALS-causative Δ Exon27 mutation in the KIF5A gene, Esra Tunaboylu, Mannheim *rapid fire*

The German MND-Net Tissue Bank – Update 2025, Joachim Weis, Aachen

15:30 - 16:00 Coffee break



PROGRAM

Thursday, October 9th

16:00 – 18:00: Pathophysiology and molecular mechanism of MND (2)

Chair: Paul Lingor, Peter Andersen

Impact of repetitive mild trauma on asymptomatic C9orf72 carriers and ALS patients using hiPSC-derived organoids, Karthik Baskar, Ulm

FUS Mislocalization Rewires a Cortical Gene Network to Drive Cognitive and Behavioral Impairment in ALS, Luc Dupuis, Strasbourg

A missense variant disrupting NEK1 kinase function is sufficient to cause ALS, David Brenner, Ulm

Preclinical development of a conjugate vaccine targeting poly-GA in C9orf72 ALS, Qihui Zhou, München

Misfolded SOD1 in familial and sporadic ALS: insights from our Nordic ALS biobank, Karin Forsberg, Umea

SOD1 enzymatic activity in CSF from ALS patients with and without SOD1 mutations, Laura Leykam, Umea

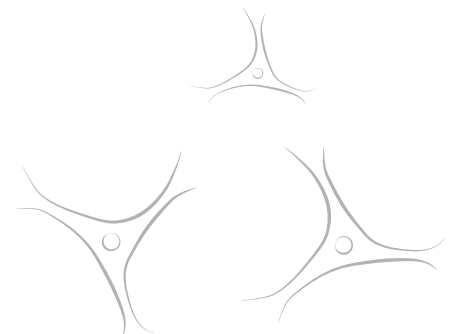
Early loss of bone mass in the SOD1(G93A) ALS mouse model is associated with loss of sensitivity to osteogenic factors and enhanced bone senescence, Burak Özkan, Ulm, *rapid fire*

Elucidating the pathological interplay between cytoskeletal alterations and mRNA metabolism in Profilin1-mutant human motor neurons, Christina Steffke, Ulm, *rapid fire*

Motoneurons inhibitory synapses homeostatically respond to excitation and modulate ALS pathogenesis, Cedric Jan, Ulm, *rapid fire*

18:00 – 20:00: Meet and Greet (dinner buffet @ atrium)

20:00 – 21:00: Keynote Lecture M. Benatar
Paradigm Shifts in ALS



PROGRAM

Friday, October 10th

9:00 – 10:00: Clinical studies in SMA

Chair: Zeljko Uzelac, Joachim Wolf

Enhancing Safety and Efficiency in Spinal Muscular Atrophy Treatment:
A Longitudinal Analysis of an Optimized Low-Dose CT-Guided Protocol for
Intrathecal Nusinersen Administration, Zeljko Uzelac, Ulm

Neuronal Pentraxin 2 as a Potential Biomarker for Nusinersen Therapy Response in
Adults with Spinal Muscular Atrophy: A Pilot Study, SvenjaNeuhoff, Essen

Beyond motor neurons: autonomic dysfunction and ECG findings in adults with 5q-
spinal muscular atrophy, Bjelica Bogdan, Hannover

New therapies in SMA, Benedikt Winter, Mannheim

Actin and profilin as potential biomarkers for adult SMA patients,
Mohammad Tareq Muhandes, Göttingen, *rapid fire*

10:00 - 11:15: New biomarkers in ALS and MND

Chair: Julian Grosskreutz, Philippe Couratier

Neurodegeneration NULISA panels in ALS patients and presymptomatic subjects
revealed potential diagnostic and prognostic biomarkers: a premodiALS study,
Laura Tzeplaeff, TUM

Biomarker discovery in the Tear fluid of ALS patients using ultra-sensitive NUCleic acid
Linked Immuno-Sandwich Assay (NULISA), Paul Lingor, München, *rapid fire*

Update on proteomic and peptidomic biomarker research for ALS in Ulm –
From discovery to validation, Patrick Öckl, Ulm

Characterization of blood SOD1 activity in ALS patients and correlation with
demographic and clinical parameters, Katharina Göhring, Ulm, *rapid fire*

Effects of Tofersen treatment in patients with SOD1-ALS in a “real-world” setting: a
retrospective multicenter study in France (FORSLA study), Daniells Erazo, Limoges

First results of the European cohort study to evaluate therapeutic and prognostic
effects in SOD1-ALS patients treated with tofersen, Maximilian Wiesenfarth, Ulm,
rapid fire

Blood derived cell-free DNA as a biomarker for ALS onset and disease
progression, Sebastian Michels, Ulm



PROGRAM

Friday, October 10th

11:15-11:35 Coffee break

11:35-12:45 Clinical studies in ALS

Chair: Michael Benatar, Jochen Weishaupt,

Survey by the working group for neuropsychology, Dorothée Lulé, Ulm

Motor phenotypes of ALS – a classification based on the region of onset, propagation, and the degree of UMN and LMN dysfunction, Thomas Meyer, Berlin

Infection with Herpes-Simplex-Virus 1 promotes ALS-associated molecular pathology, Karin Danzer, Ulm

Oral ketone bodies as novel therapy to compensate for the energy deficit in patients with ALS, Christine Herrmann, Ulm

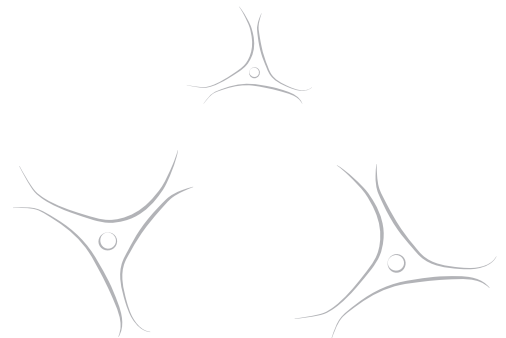
Self-reported symptom burden in amyotrophic lateral sclerosis in reference to the ALS Functional Rating Scale - results of a large multicenter study, André Maier, Berlin, *rapid fire*

Functional Impairment at the end of Life in ALS – A systematic Analysis of ALSFRS-R data, Susanne Spittel, Berlin, *rapid fire*

Hypothalamus and sleep, Christina Lang, Ulm, *rapid fire*

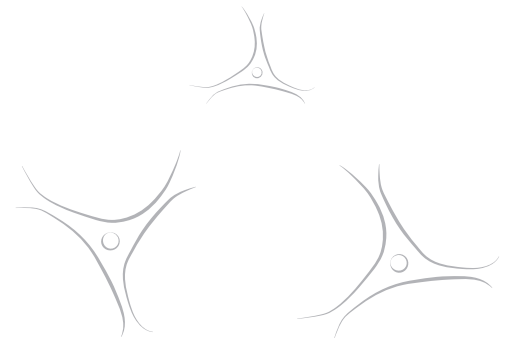
12:45 Closing

13:00-14:30 Lunch



SPONSORS

- We would like to thank the following companies for their support:



SPEAKERS

Keynote Speaker

Prof. Dr. Michael Benatar, Walter Bradley Chair in ALS Research, Chief Neuromuscular Division, Executive Director, ALS Center, Dept. of Neurology, University of Miami Miller School of Medicine, Miami FL 33136

Pathophysiology and molecular mechanism of MND (1)

Mrs Sruthi S Krishnamurthy
Department of Neurology, University of Ulm

Mr Noah Seebacher
Institute of Anatomy and Cell Biology, Ulm University

Mr Jens Truong
Institute of Human Genetics, Ulm University Medical Center

Dr Jelena Scekic-Zahirovic
Department of Neurology, University of Ulm

Mrs Esra Tunaboylu
Department of Neurology, University of Ulm

Prof Dr Joachim Weis
Institute of Neuropathology, RWTH Aachen University Hospital

Pathophysiology and molecular mechanism of MND (2)

Mr Karthik Baskar
Institute of Anatomy and Cell Biology, Ulm University

Prof Dr Luc Dupuis
Université de Strasbourg, Inserm UMR-S1118, Mécanismes centraux et périphériques de la neurodégénérescence, Strasbourg, France

PD Dr David Brenner
Department of Neurology, University of Ulm

Prof Dr Karin Forsberg
Department of Clinical Science, Neurosciences, Umeå University, Sweden

Mrs Laura Leykam
Department of Medical Biosciences, Umeå University, Sweden

SPEAKERS

Pathophysiology and Molecular mechanism of MND (2)

Mr Burak Özkan

Department of Neurology, University of Ulm

Dr Christina Steffke

Institute of Anatomy and Cell Biology, University of Ulm and University Hospital Ulm,
Clinic for Neurology

Mr Cedric Jan

Department of Neurology, University of Ulm

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German Center for Neurodegenerative Diseases (DZNE), München

Clinical studies in SMA

Dr Zeljko Uzelac

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Department of Neurology and Center for Translational Neuro- and Behavioral
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Dr Bogdan Bjelica

Hannover Medical School, Department of Neurology

Dr Benedikt Winter

Department of Child Neurology, Mannheim University

Dr Mohammad Tareq Muhandes

Department of Neurology, University Medicine Göttingen

New biomarkers in ALS and MND

Dr Laura Tzeplaeff

Munich University of Technology, Neurology Clinic and Polyclinic

Prof Dr Paul Lingor

Department of Neurology, Rechts der Isar Hospital of the Technical University Munich

PD Dr Patrick Öckl

German Center for Neurodegenerative Diseases Um, Department of Neurology,
Ulm University Hospital

SPEAKERS

New biomarkers in ALS and MND

Dr Katharina Göhring
Institute of Immunology, Ulm University Medical Center

Dr Daniells Erazo,
Centre de Reference SLA et Autres Maladies du Motoneurone, CHU Limoges

Dr Maximilian Wiesenfarth
University Hospital Ulm, Clinic for Neurology

Dr Sebastian Michels
University Hospital Ulm, Clinic for Neurology

Clinical studies in ALS

Prof Dr Dr Dorothee Lulé
University Hospital Ulm, Clinic for Neurology

Prof Dr Thomas Meyer
Department of Neurology, Center for ALS and Other Motor Neuron Disorders,
Charité – University Medicine Berlin

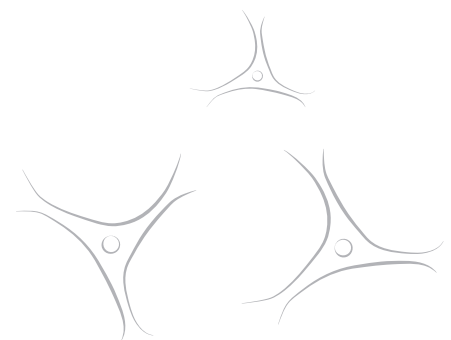
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Dr Dr Susanne Spittel
Ambulanzpartner Soziotechnologie APST GmbH, Berlin

Dr Christine Lang
University Hospital Ulm, Clinic for Neurology



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