

Program

Location of all Lectures: Zentraler Hörsaal (Haus 21)

Friday June 8

13.00-14.00h Arrival – Registration
(Sandwiches available)

14.00-14.05h Welcome M Weber

14.05-14.15h Introduction V Silani

Session 1

STEM CELLS

Chair: Ch Shaw

14.15-14.45h 1.1 Stem cells in ALS: Where are we? (V Silani)

14.45-15.15h 1.2 Neuronal repair and replacement in spinal cord injury and multiple sclerosis (F Bareyre)

15.15-15.30h 1.3 Antisense oligonucleotides targeted to the TGF-beta signaling system promote function and survival in the SOD1 model of ALS (L Aigner)

Coffee break and poster viewing

Session 2

GENETICS

Chair: A Al-Chalabi, Th Meyer

16.00-16.15h 2.1 Angiogenin (ANG) mutations are associated to sporadic amyotrophic lateral sclerosis (sALS) in the German population (R Fernández-Santiago)

16.15-16.30h 2.2 Polymorphism in the Cu/Zn superoxide dismutase (SOD1) gene in a large ALS family (A Felbecker)

16.30-16.45h 2.3 Identification of Angiogenin gene mutations in a large cohort of Italian ALS patients (C Colombrita)

16.45-17.00h 2.4 A first-pass genome-wide scan for age of onset to amyotrophic lateral sclerosis using 2,336 microsatellite markers (VB Tripathi)

17.00-17.15h 2.5 ALS6 Revisited with SNPs on Chip: Linkage Peaks and Pitfalls (J Sreedharan)

18.00h Social program
Guided Tour Abbey Library - Apéro and Buffet

Saturday June 9

08.00-09.00h EALSC –Business Meeting (*Location: Mehrzweckraum, Haus 21*)

Session 3

PROTEOMICS-METABOLOMICS

Chair: *W Camu, V Silani*

- 09.00-09.15h 3.1 Fluorescence-based clinical proteomics of human peripheral blood mononuclear cells from ALS patients (*G Nardo*)
- 09.15-09.30h 3.2 Detection of Nogo-A in muscles from patients with lower motor neuron syndromes predicts progression to ALS (*PF Pradat*)
- 09.30-09.45h 3.3 Development of a protocol for CSF sampling and sample handling for metabolomics (*A Wuolikainen*)
- 09.45-10.00h 3.4 Is angiogenic factor regulation impairment responsible for motoneuron degeneration in ALS? (*C Moreau*)
- 10.00-10.15h 3.5 Ubiquitous overexpression of Hsp27 does not attenuate disease in mutant G93A SOD1 mice (*J Krishnan*)
- 10.15-10.30h 3.6 TDP-43 immunoreactivity in SOD1 FALS, non-SOD1 FALS, sporadic and Guam ALS (*S Maekawa*)

Coffee break and poster viewing

Session 4

ANIMAL MODELS / CELL DEATH PATHWAYS

Chair: *W Robberecht, N Leigh*

- 11.15-11.45h 4.1 *Guidelines for the preclinical studies on SOD1 mutant mice: report from the 142nd ENMC international workshop* (*C Benedotti*)
- 11.45-12.00h 4.2 Mutant SOD1 induces a motor axonopathy in the zebrafish embryo (*A Von Hoecke*)
- 12.00-12.15h 4.3 Cell death pathways differ in several mouse models with motoneuron disease: gene profiling of pure motoneuron populations (*FE Perrin*)
- 12.15-12.30h 4.4 Gene expression profiling of skeletal muscle from SOD1G93A transgenic mouse (*C Fallini*)
- 12.15-12.30h 4.5 Regulation of inflammatory processes in ALS: SOCS, activated STAT, and c/EBP β (*J Anneser*)

Lunch (12.30-14.00h)

Session 5

NUTRITION – VENTILATION

Chair: *R Dengler, A Ludolph*

- 14.15-14.30h 5.1 Level of hypermetabolism is significantly increased in FALS as compared with sporadic cases (*P Couratier*)
- 14.30-14.45h 5.2 Percutaneous endoscopic gastrostomy in patients with amyotrophic lateral sclerosis: Role of BiPAP-ventilation (*S Hartmann*)
- 14.45-15.00h 5.3 Laryngectomy helps ALS patients to resume peroral food intake safely (*M Namekawa*)
- 15.00-15.15h 5.4 Utility of the diaphragm pacing stimulation (DPS) system in amyotrophic lateral sclerosis (ALS): Results of phase 1 trial (*RP Onders*)
- 15-15-15.30h 5.5 Respiratory Failure in Bulbar and Limb-Onset ALS patients (*S Pinto*)

Session 6

UPPER AND LOWER MOTONEURON FUNCTION - NEUROIMAGING

Chair: *M Turner, M Carvalho*

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| 16.15-16.30h | 6.1 Creatine kinase activity in Motor Neuron Diseases: relationships with clinical and neurophysiological features (<i>C Lunetta</i>) |
| 16.30-16.45h | 6.2 Axial and distal involvement of spinal segments in ALS (<i>M De Carvalho</i>) |
| 16.45-17.00h | 6.3 Cortical activation during sniffing: a way to study neural control of breathing in ALS? (<i>B Koritnik</i>) |
| 17.00-17.15h | 6.4 Brain endophenotype of extremity and bulbar onset ALS in diffusion tensor imaging (<i>J Grosskreutz</i>) |
| 17-15-17.30h | 6.5 Feasibility of multicenter analyses of voxel-based morphometry in Amyotrophic Lateral Sclerosis (<i>T Peschel</i>) |

18.30h *Conference Dinner (Im Schössli)*

Sunday June 10

Session 7

Chair: *V Silani, M Weber*

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| 11.00-11.30h | 8.1 Provoking ideas for future ALS- research (<i>M Swash</i>) |
| 11.30-12.00h | 8.2 Congress Highlights (<i>R Dengler</i>) |
| 12.00-12.10h | Closing Remarks (<i>M Weber</i>) |

Individual Departure (Sandwiches available)

Location: Mehrzweckraum Haus 21

- P1 Disease progression and its predictors in Amyotrophic Lateral Sclerosis (*K Kollwee*)
- P2 Electromyographic approach to ALS Patients in Italy: A retrospective Study (*L Testa*)
- P3 Further report on stable motor improvement after prolonged beta-lactam antibiotic therapy in ALS (*PS Piazza*)
- P4 Evaluation of patients with lower motor neurone disorders (*K Pasternak*)
- P5 ALS - how to think of life (*D Lulé*)
- P6 Paraoxonase gene polymorphisms and susceptibility to sporadic ALS in Italian population: preliminary results (*S Pencho*)
- P7 Phenotypic Variability in Familial Amyotrophic Lateral Sclerosis (ALS) Patients carrying the SOD L144F Mutation (*C Neuwirth*)
- P8 Lack of association of VEGF gene polymorphisms with sporadic amyotrophic lateral sclerosis (sALS) in a Polish population (*A Golenia*)
- P9 BIA in patients with amyotrophic lateral sclerosis: a prospective study in 54 patients (*S Endruhn*)
- P10 Cysteine donor intake is able to reduce rest and exercise-related oxidative stress in Amyotrophic Lateral Sclerosis (*CC Carlesi*)
- P11 PALS with PEG: Nutritional issues (*MC Tuccino*)
- P12 Progressive Muscle Atrophy with Hypokalemic Periodic Paralysis and Calcium Channel Mutation (*T Meyer*)
- P13 ALS and Myasthenia Gravis (*S Pinto*)
- P14 Concurrence of amyotrophic lateral sclerosis (ALS) and autoimmune diseases (AID) in an inbred Italian family (*L Testa*)
- P15 Gender-effects concerning motor performance in an ALS mouse model (*K Braunstein*)

SIZE: max. height 1.20m, width 0.90m

TIME: Set up Friday, June 8 from 13.00h until Sunday, June 10, 12.00h

PLACE: Haus 21, Mehrzweckraum (please ask at the congress secretariat)