

The 8th Neuroimaging Society in ALS

Charlestown Navy Yard MGH - Building 149, 13th Street, Charlestown, MA, USA
Conference Room A

WEDNESDAY 6TH DECEMBER

0930-0945

Welcome and overview on behalf of steering committee
Martin Turner (UK)

0945-1030

KEYNOTE
Molecular imaging for efficient clinical drug development in ALS
Nazem Atassi (USA)

1030-1100

COFFEE

1100-1230

FOCALITY & SPREAD
15 + 3 minutes
What the clinical syndrome tells us
Martin Turner (UK)
Grey matter imaging
Peter Bede (Ireland)
White matter imaging
Federica Agosta (Italy)
Mapping cerebral propagation
Jan Kassubek (Germany)
Bridging the ALSFRS-R gap
Julian Grosskreutz (Germany)

1230-1400

LUNCH

1400-1530

RESEARCH PRESENTATIONS 1
10 + 5 minutes
Cortical degeneration across the ALS-FTD continuum: insights from language and behavioural variant phenotypes
Eoin Finegan (Ireland)
Anatomical assessment of tongue impairment due to ALS using structural and diffusion MRI
Jonghye Woo (USA)
Evidence of motor-action interplay in an extensive brain network in ALS: a combined MRI/TMS study
Foteini Christidi (Greece)
Unraveling the tangle of MNDs: insights from advanced spinal cord MRI
Giorgia Querin (France)
Structural MRI signatures of TDP-43 pathological spread across the ALS & FTD spectrum
Pilar Ferraro (Italy)
Genetic factors associated with frontal disease in sporadic ALS: Neuroimaging and neuropsychological evidence
Katerina Placek (USA)

1530-1600

COFFEE

1600-1730

RESEARCH PRESENTATIONS 2
10 + 5 minutes each
Epigenetic & genetic factors contributing to neuroanatomic heterogeneity in *C9orf72* expansions
Corey T. McMillan (USA)
A pilot trial of RNS60 in ALS
Sabrina Paganoni (USA)
Muscle imaging in MND- 12 months longitudinal follow-up
Tom Jenkins (UK)
Longitudinal assessment of neurochemical changes in ALS by *in vivo* magnetic resonance spectroscopy at ultra-high field
Ian Cheong (USA)
Fast kurtosis imaging in ALS: Preliminary findings
Jakob Uddy Blicher (Denmark)
Correlation between brain and spine metabolism in ALS
Donatienne Van Weehaeghe (Belgium)

1830-2130

COCKTAIL RECEPTION

MGH-Paul S. Russell MD Museum of Medical History & Innovation 2 N Grove St

THURSDAY 7th DECEMBER

0830-1000

RESEARCH PRESENTATIONS 3

10 + 5 minutes each

Functional reorganization during cognitive function tasks in patients with ALS

Dorothee Lulé (Germany)

Assessment of longitudinal changes in diffusion MRI in brain and cervical spine in ALS

Pramod Pisharady (USA)

Multimodal neuroimaging findings of early widespread changes in ALS patients with preserved cognition

Karavasilis Efstratios (Greece)

Thalamic imaging in ALS

Sicong Tu (UK)

Cerebral and cerebellar changes in high resolution T1 correlate with ALS as described in the D50 progression model

Meerim Batyrbekova (Germany)

Unravelling ALS due to SOD1 mutation through the combination of brain and cervical cord MRI

Edoardo Gioele Spinelli (Italy)

1000-1030

COFFEE

1030-1200

RESEARCH PRESENTATIONS 4

10 + 5 minutes each

The Canadian ALS Neuroimaging Consortium (CALSNIC)

Sanjay Kalra (Canada)

Altered functional connectivity in the motor system in ALS: a translational perspective

Martin Gorges (Germany)

Structural connectivity alterations in ALS are modulated by the topology of the anatomical brain connectome

Silivia Basaia (Italy)

The Ontario Neurodegeneration Initiative (ONDRI): Gradient Nonlinearity Distortion Correction

Rob Bartha (Canada)

Cerebral glucose metabolism in relation to syndromes of motor neuron degeneration

Joke de Vocht (Belgium)

Post mortem brain MRI-pathology correlations estimate UMN density in ALS

Erik Pioro (USA)

1200-1230

WRAP-UP & LOOK AHEAD TO GLASGOW 2018