7th Neuroimaging Society in ALS
Trinity Biomedical Sciences Institute, Dublin

SATURDAY 10TH DECEMBER

1100-1115  Welcome and brief review of the year in ALS imaging
            Martin Turner (UK)

1115-1200  KEYNOTE
            35 + 10 minutes
            The selective anatomical vulnerability of ALS: ‘disease-defining’ and ‘disease-defying’ brain regions
            Peter Bede (Ireland)

1200-1300  RESEARCH PRESENTATIONS 1
            10 + 5 minutes each
            Increased in vivo glial activation in patients with PLS assessed with [11C]-PBR28 PET
            Sabrina Paganoni (USA)
            Structural organization of the brain connectome in patients with PLS
            Silvia Basaia (Italy)
            Relationship between brain metabolism on FDG-PET and cognitive/behavioural functioning in ALS
            Joke De Vocht (Belgium)
            Gray matter correlates of cognitive decline in ALS: a multi-atlas based MRI study
            Marcondes França Jr (Brazil)

1300-1400  LUNCH

1400-1530  EMERGING APPLICATIONS
            25 + 5 minutes each
            fMRI in the spinal cord
            Falk Eippert (UK)
            Longitudinal MRI-based ALS staging: concepts and applications
            Jan Kassubek (Germany)
            7T DTI of ex vivo ALS brains and pathological correlates
            Mary-Kay Floeter (USA)

1530-1600  COFFEE

1600-1800  RESEARCH PRESENTATIONS 2
            10 + 5 minutes each
            The neuroanatomical substrate of pseudobulbar affect in ALS: a multimodal neuroimaging study
            Foteini Christidi (Greece)
            The metabolic signature of spreading TDP 43 pathology in ALS patients
            Donatienne Van Weehaeghe (Belgium)
            Volumetric analysis of the hypothalamus in ALS
            Martin Gorges (Germany)
            Effects of motor neuron disease progression on cortical beta and gamma rhythms: Longitudinal case studies of ALS using MEG
            Michael Lee (Australia)
            Data-driven modelling of diffusion MRI changes in ALS indicates evolution of distal prior to proximal corticospinal tract pathology
            Matt Gabel (UK)
            The association of motor symptom development and thickness of functional regions within the motor cortex in ALS
            Bram Niter (Netherlands)
            Tracking longitudinal evolution of ALS using diffusion tensor MRI
            Pilar M. Ferraro (Italy)
            The progression of cerebral pathology in ALS: A six-monthly multi-modal MRI study over two years
            Ricarda Menke (UK)

1930-

DINNER
SUNDAY 11th DECEMBER

0900-0930  ELECTIONS
Steering Committee

0930-1100  RESEARCH PRESENTATIONS 3
10 + 5 minutes each

- Glial activation measured by [11C]-PBR28 PET correlates with 1H-MRS brain metabolites in ALS
  Eva-Maria Ratai (USA)

- Survival and neuroimaging in ALS
  Henk-Jan Westeneng (Netherlands)

- Quantitative magnetization transfer (qMT) imaging gives new insights into ALS
  Rebecca Broad (UK)

- Brain Sodium MRI depicts upper motor neuron involvement in ALS
  Aude-Marie Grapperon (France)

- Resting state functional connectivity in C9orf72 mutation carriers: genotype and phenotypes
  Rachel Smallwood (USA)

- Association of cognitive impairment and intrinsic functional connectivity of the fronto-temporal network
  Dorothée Lué (Germany)

1100-1130  COFFEE

1130-1300  RESEARCH PRESENTATIONS 4
10 + 5 minutes each

- MEG cortico-muscular coherence to assess corticospinal tract integrity in ALS
  Malcolm Proudfoot (UK)

- A connectivity-based analysis of frontostriatal and cortico-basal networks in ALS
  Peter Bede (Ireland)

- Sequential PET and MRI in a patient with ALS-FTD reveals worsening brain metabolism and cortical thinning with disease progression
  Erik Pioro (USA)

- MRI-based staging in the ALS-FTD spectrum: application to bvFTD
  Hans-Peter Müller (Germany)

- Imaging muscle denervation in MND using whole-body MRI
  Tom Jenkins (UK)

- In vivo correlates of pathological diagnosis in clinical variants of primary progressive aphasia
  Edoardo G Spinelli (Italy)

1300-1400  LUNCH

1400-1500  IMAGING CONSORTIA UPDATES
5 minutes each

- Current content and projects of the NiSALS repository
  Julian Grosskreutz, Beatrice Stubendorff (Germany)

  CANADA
  Sanjay Kalra (Canada)

  USA
  Nazem Atassi (USA)

  EUROPE?
  AUSTRALIA?

DISCUSSION AND CLOSE