

The Neurophysiology and Neural Signal Analysis Research Strand in the Motor Neuron Research Group (NeuroMotor), have secured several research grants for advancing the research on biomarkers for Motor Neuron Disease (MND). Dr Bahman Nasserolelami (the Fr Tony Coote Assistant Professor in Neuroelectric Signal Analysis in MND) who leads the research strand, and Professor Orla Hardiman (the Head of the Academic Unit of Neurology) have been awarded a \$300,000 grant from the Amyotrophic Lateral Sclerosis Association (ALSA), a €133,600 grant from the Thierry Latran Foundation, and a €20,000 award from the Irish Institute of Clinical Neuroscience (IICN) to study the phenotyping and biomarkers of impairments in the cognitive and motor networks in Amyotrophic Lateral Sclerosis (ALS) and Spinal Muscular Atrophy (SMA). The group has also received funding from Merck Pharmaceuticals, in association with FutureNeuro to study biomarkers of impaired cognition in Multiple Sclerosis.

The team collaborates with Professors Richard Carson, Niall Pender, Madeleine Lowery, Peter Bede, and Muthuraman Muthuraman. The grants fund the studies run by Dr Amina Coffey, Ms Marjorie Metzger, and Mr Vladyslav Sirenko. The new funding sources and a recent Irish Research Council Postgraduate Scholarship (awarded to Mr Saroj Bista), extend the current research on the neurophysiology of MND by the existing team members.

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