

**Dr Mandy Jackson**  
**Selected publications**

**2012**

Wishart TM, Rooney TM, Lamont DJ, Wright AK, Morton J, Jackson M, Freeman MR, Gillingwater TH (2012). Combining comparative proteomics and molecular genetics uncovers regulators of synaptic and axonal stability and degeneration in vivo. *PLoS Genet.* 8(8):e1002936

Watanabe M, Adachi Y, Jackson M, Yamamoto-Watanabe Y, Wakasaya Y, Shirahama I, Takamura A, Matsubara E, Kawarabayashi T, Shoji M (2012). An unusual case of elderly-onset cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL) with multiple cerebrovascular risk factors. *J Stroke Cerebrovasc Dis.* 21: 143-145

**2010**

Yamamoto-Watanabe Y, Watanabe M, Jackson M, Akimoto H, Sugimoto K, Yasujima M, Wakasaya Y, Matsubara E, Kawarabayashi T, Harigaya Y, Lyndon AR, and Shoji M (2010). Quantification of cystatin C in cerebrospinal fluid from various neurological disorders and correlation with G73A polymorphism in CST3. *Brain Res.* 1361: 140 - 145

Yamamoto-Watanabe Y, Watanabe M, Hikichi M, Ikeda Y, Wakasaya Y, Jackson M, Matsubara E, Kawarabayashi T, Kannari K and Shoji M (2010) Prevalence of autosomal dominant spinocerebellar ataxia in Aomori, the northern prefecture of Honshu, Japan *Intern. Med.* 49: 2409 - 2414

Watanabe M, Okamoto K, Fujita Y, Jackson M, Ikeda M, Nakazato Y, Yamamoto-Watanabe Y, Shirahama I, Ikeda Y, Takamura A, Matubara E, Kawarabayashi T, Wakasaya Y and Shoji M (2010). A Japanese ALS6 family with mutation R521C in the FUS/TLS gene: a clinical, pathological and genetic report *J. Neurol. Sci.* 296: 59-63

**2009**

Wakasaya Y, Watanabe M, Tomiyama M, Suzuki C, Jackson M, Fujimuro M, Kimura T, Seino Y, Kawarabayashi T, Yamamoto-Watanabe Y, Matsubara E, Shirahama I, Takamura A, Nakahata N, Shoji M (2009). An unusual case of chronic relapsing tetanus associated with mandibular osteomyelitis. *Intern. Med.* 48: 1311-1313

**2008**

Watanabe M, Monai N, Jackson M, Yamamoto-Watanabe Y, Ikeda Y, Suzuki C, Tomiyama M, Kawarabayashi T, Kimura T, Seino Y, Wakasaya Y, Miki Y, Matsubara E, Shoji M (2008) A small trinucleotide expansion in the TBP gene gives rise to a sporadic case of SCA17 with abnormal putaminal findings on MRI. *Intern. Med.* 47: 2179-2182

Suzuki C, Watanabe M, Tomiyama M, Sugimoto K, Nanba E, Jackson M, Arai A, Kimura T, Seino Y, Wakasaya Y, Kawarabayashi T, Miki Y, Shoji M (2008) A novel mutation in the arylsulfatase A gene associated with adult-onset metachromatic leukodystrophy without clinical evidence of neuropathy. *Eur. Neurol.* 60: 310-311

**2006**

Ganel R, Ho T, Maragakis N, Jackson M, Steiner J, and Rothstein JD (2006) Selective up-regulation of the glial Na<sup>+</sup>-dependent glutamate transporter GLT1 by a neuroimmunophilin ligand results in neuroprotection. *Neurobiol. Dis.* 21: 556-67

Watanabe M, Jackson M, Ikeda M, Mizushima K, Amari M, Takatama M, Hirai S, Ikeda Y, Shizuka-Ikeda M, Okamoto K (2006). Genetic analysis of the cystatin C gene in familial and sporadic ALS patients. *Brain Res.* 20:1073-1074

### **2003**

Maragakis NJ, Jackson M, Ganel R, Rothstein JD (2003). Topiramate protects against motor neuron degeneration in organotypic spinal cord cultures but not in G93A SOD1 transgenic mice. *Neurosci. Letts.* 338:107-110

### **2002**

Wells CD, Liu M-Y, Jackson M, Gutowski S, Sternweis PM, Rothstein J.D, Kozasa T, Sternweis PC (2002). Mechanisms for reversible regulation between G<sub>13</sub> and Rho exchange factors. *J. Biol. Chem.* 277:1174-81

Jackson M, Llado J, Rothstein J.D (2002). Therapeutic developments in the treatment of amyotrophic lateral sclerosis. *Expert. Opin. Investig. Drugs* 11:1343-1364

Jackson M and JD Rothstein (2002). Amyotrophic lateral sclerosis. In: Marcoux and Choi (eds). *Handbook of Experimental Pharmacology Vol. 155, CNS Neuroprotection*, Chapter 16. Springer-Verlag, Berlin.

Jackson M, Ganel R, Rothstein JD (2002). In vitro and In vivo Models for ALS. *Current Protocols in Neuroscience*, John Wiley and Sons.

### **2001**

Lin C.G, Orlov I, Ruggiero AM, Dykes-Hoberg, Lee A, Jackson M, Rothstein J.D (2001). Modulation of the neuronal glutamate transporter EAAC1 by an interacting protein GTRAP3-18. *Nature* 410:84-88

### **1999**

Jackson M and JD Rothstein (1999). Excitotoxicity in amyotrophic lateral sclerosis. In: Brown, Meininger and Swash (eds). *Amyotrophic lateral sclerosis*. Martin Dunitz Ltd, London, p263-277

Jackson M, Steers G, Leigh PN and Morrison KE (1999). Polymorphisms in the glutamate transporter gene EAAT2 in European ALS patients. *J. Neurol.* 246:1140-1144

Evangelou N, Jackson M, Beeson D and Palace J (1999). Association of the APOE epsilon4 allele with disease activity in multiple sclerosis. *J. Neurol. Neurosurg. Psychiatry* 67:203-205

### **1997**

Jackson M, Al-Chalabi A, Enayat ZE, Chioza B, Leigh PN and Morrison KE (1997). Copper/zinc superoxide dismutase 1 and sporadic amyotrophic lateral sclerosis: analysis of 155 cases and identification of a novel insertion mutation. *Ann. Neurol.* 42:803-807

### **1996**

Jackson M, Morrison KE, Al-Chalabi A, Bakker M and Leigh PN (1996). Analysis of Chromosome 5q13 Genes in Amyotrophic Lateral Sclerosis: Homozygous NAIP deletion in a Sporadic Case. *Ann. Neurol.* 39:796-800

Horrocks P, Jackson M, Cheesman S, White JH and Kilbey BJ (1996). Stage specific expression of Proliferating Cell Nuclear Antigen and DNA Polymerase  $\delta$  from *Plasmodium falciparum*. *Molecular and Biochemical Parasitology* 79:177-182