

Dr Susan Brown, Reader in Translational Medicine at the Royal Veterinary College, London.



I originally studied Zoology with Botany at the University of Reading followed by a PhD in Muscle Development at the Royal Veterinary College. Following my PhD I developed a strong interest in neuromuscular disease with appointments at the Royal Free Hospital, Guys' Hospital Medical School, Royal Holloway College and Imperial College, London. Whilst at Imperial College, I was awarded a MRC Career Development Grant to develop models for congenital forms of muscular dystrophy (specifically those associated with mutations in fukutin related protein or FKR), and now continue this work at the Royal Veterinary College where the focus of my laboratory is to investigate the pathogenesis of muscular dystrophy and explore options for therapeutic intervention. FKR related muscular dystrophy belongs to a group of diseases now commonly referred to as the 'dystroglycanopathies', these forms are characterised by the altered glycosylation of alpha dystroglycan and consequent loss of muscle fibre integrity. My work is currently funded by the Muscular Dystrophy Campaign (MDC), Cure CMD, Muscular Dystrophy Association (US), LGMD2I Foundation (US) and the Association française contre les myopathies (AFM).

Selected Publications

Ackroyd MR, Whitmore C, Prior S, Kaluarachchi M, Nikolic M, Mayer U, Muntoni F, Brown SC. Fukutin-related protein alters the deposition of laminin in the eye and brain. *J Neurosci*. 2011 Sep 7;31(36):12927-35.

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