

Prof RR Ribchester:
LIST OF PUBLICATIONS

Total citations exceeds 2,620 (1161 since 2008)

h-index: 32 (19) : i10-index: 49 (33)

(Source: Google Scholar

<http://scholar.google.co.uk/citations?user=eW88NDAAAAAJ&hl=en>).

2013

Hirst, T, **Ribchester**, RR. (2013) Segmentation of the mouse fourth deep lumbrical muscle connectome reveals concentric organization of motor units.

J Physiol. 591(Pt 19):4859-75.

PubMed PMID: 23940381

Simpson AH, Gillingwater TH, Anderson H, Cottrell D, Sherman DL, **Ribchester** RR, Brophy PJ. Effect of limb lengthening on internodal length and conduction velocity of peripheral nerve.

J Neurosci. 2013 Mar 6;33(10):4536-9.

PubMed PMID: 23467369.

2012

Blanco, G. & **Ribchester**, RR. (2012) Confocal microendoscopy of neuromuscular synapses in living mice. Curr. Protoc. Mouse Biol 2:1-8.

Teriakidis A, Willshaw DJ, **Ribchester** RR. Prevalence and elimination of sibling neurite convergence in motor units supplying neonatal and adult mouse skeletal muscle.

J Comp Neurol. 2012 Oct 1;520(14):3203-16.

PubMed PMID: 22430826

Oyebode OR, Hartley R, Singhota J, Thomson D, **Ribchester** RR. Differential protection of neuromuscular sensory and motor axons and their endings in Wld(S) mutant mice.

Neuroscience. 2012 Jan 3;200:142-58.

PubMed PMID: 22062136.

2011

Ribchester, RR. (2011) One-step vital staining of pre-synaptic terminals and post-synaptic receptors at neuromuscular junctions in mouse skeletal muscle. Curr. Protoc. Mouse Biol. 1:489-496

Ribchester, RR (2011) Quantal analysis of endplate potentials in mouse flexor digitorum brevis muscle. Curr. Protoc. Mouse Biol. 1:429-444

Comley LH, Fuller HR, Wishart TM, Mutsaers CA, Thomson D, Wright AK, **Ribchester** RR, Morris GE, Parson SH, Horsburgh K, Gillingwater TH. ApoE isoform-specific regulation of regeneration in the peripheral nervous system.

Hum Mol Genet. 2011 Jun 15;20(12):2406-21.

PubMed PMID: 21478199.

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Babetto E, Beirowski B, Janeckova L, Brown R, Gilley J, Thomson D, **Ribchester** RR, Coleman MP. Targeting NMNAT1 to axons and synapses transforms its neuroprotective potency in vivo.

J Neurosci. 2010 Oct 6;30(40):13291-304.

PubMed PMID: 20926655.

2009

Wong F, Fan L, Wells S, Hartley R, Mackenzie FE, Oyebode O, Brown R, Thomson D, Coleman MP, Blanco G, **Ribchester** RR. Axonal and neuromuscular synaptic phenotypes in Wld(S), SOD1(G93A) and oste mutant mice identified by fiber-optic confocal microendoscopy.

Mol Cell Neurosci. 2009 Dec; 42(4):296-307

PubMed PMID: 19683573.

Mackenzie FE, Romero R, Williams D, Gillingwater T, Hilton H, Dick J, Riddoch-Contreras J, Wong F, Ireson L, Powles-Glover N, Riley G, Underhill P, Hough T, Arkell R, Greensmith L, **Ribchester** RR, Blanco G. Upregulation of PKD1L2 provokes a complex neuromuscular disease in the mouse.

Hum Mol Genet. 2009 Oct 1;18(19):3553-66.

PMID: 19578180.

Lelyanova VG, Thomson D, **Ribchester** RR, Tonevitsky EA, Ushkaryov YA.

Activation of alpha-latrotoxin receptors in neuromuscular synapses leads to a prolonged splash acetylcholine release.

Bull Exp Biol Med. 2009 Jun;147(6):701-3. [*In Russian*]

PubMed PMID: 19902061.

Ribchester RR. Mammalian neuromuscular junctions: modern tools to monitor synaptic form and function.

Curr Opin Pharmacol. 2009 Jun;9(3):297-305.

PubMed PMID: 19394273.

Conforti L, Wilbrey A, Morreale G, Janeckova L, Beirowski B, Adalbert R, Mazzola F, Di Stefano M, Hartley R, Babetto E, Smith T, Gilley J, Billington RA, Genazzani AA, **Ribchester** RR, Magni G, Coleman M. Wld S protein requires Nmnat activity and a short N-terminal sequence to protect axons in mice.

J Cell Biol. 2009 Feb 23;184(4):491-500.

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Beirowski B, Babetto E, Gilley J, Mazzola F, Conforti L, Janeckova L, Magni G, **Ribchester** RR, Coleman MP. Non-nuclear Wld(S) determines its neuroprotective efficacy for axons and synapses in vivo.

J Neurosci. 2009 Jan 21;29(3):653-68.

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PMID: 17658198

2008

Felipe A Court, Thomas H Gillingwater, Shona Melrose, Diane L Sherman, Kay Greenshields, A Jennifer Morton, John B Harris, Hugh J. Willison and Richard R **Ribchester** Identity, developmental restriction and reactivity of extralaminar cells capping mammalian neuromuscular junctions.

J Cell Sci. 2008 Dec 1;121(Pt 23):3901-11. Epub 2008 Nov 11.

PMID: 19001504

Wilbrey AL, Haley JE, Wishart TM, Conforti L, Morreale G, Beirowski B, Babetto E, Adalbert R, Gillingwater TH, Smith T, Wyllie DJ, **Ribchester** RR, Coleman MP. VCP binding influences intracellular distribution of the slow Wallerian degeneration protein, Wld(S). *Mol Cell Neurosci*. 2008 Jul;38(3):325-40. Epub 2008 Mar 25. PMID: 18468455

Court FA, Brophy PJ, **Ribchester** RR. Remodeling of motor nerve terminals in demyelinating axons of periaxin-null mice. *Glia*. 2008 Mar;56(4):471-9. PMID: 18205176 [PubMed - indexed for MEDLINE]

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Eur J Neurosci. 2004 Dec;20(11):3092-114.
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Court FA, Sherman DL, Pratt T, Garry EM, **Ribchester** RR, Cottrell DF, Fleetwood-Walker SM, Brophy PJ. Restricted growth of Schwann cells lacking Cajal bands slows conduction in myelinated nerves.
Nature. 2004 Sep 9;431(7005):191-5.
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J Neurocytol. 2003 Jun-Sep;32(5-8):863-81. Review.

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Gillingwater TH, Ingham CA, Coleman MP, **Ribchester** RR. Ultrastructural correlates of synapse withdrawal at axotomized neuromuscular junctions in mutant and transgenic mice expressing the Wld gene.

J Anat. 2003 Sep;203(3):265-76.

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Costanzo EM, Barry JA, **Ribchester** RR. Competition at silent synapses in reinnervated skeletal muscle. Nat Neurosci. 2000 Jul;3(7):694-700.

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