

Dr Ian Duguid
Selected publications

2009

Mathy A, Ho SS, Davie JT, Duguid IC, Clark BA, Häusser M (2009). Encoding of oscillations by axonal bursts in inferior olive neurons. *Neuron* 62 (3): 388-399

2008

Duguid IC and Smart TG (2008). Presynaptic NMDA receptors. In *Biology of the NMDA receptor – Frontiers in Neuroscience* Taylor & Francis CRC press: 311-321

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Rancz EA*, Ishikawa T*, Duguid IC*, Chadderton P*, Mahon S and Häusser M (2007). High-fidelity transmission of sensory information by single cerebellar mossy fibre boutons. *Nature* 450 (7173):1245-1248

Duguid IC, Pankratov Y, Moss GW and Smart TG (2007). Somatodendritic release of glutamate regulates synaptic inhibition in cerebellar Purkinje cells via autocrine mGluR1 activation. *Journal of Neuroscience* 27(46), 12464-12474

2006

Duguid IC and Sjöström PJ (2006). Novel presynaptic mechanisms for coincidence detection in synaptic plasticity. *Current Opinion in Neurobiology* 16(3), 312-322

Harvey VL, Duguid IC, Krasel C and Stephens GJ (2006). Evidence that GABA rho subunits contribute to functional ionotropic GABA receptors in mouse cerebellar Purkinje cells. *Journal of Physiology (Lond.)* 15;577(Pt 1), 127-139

Rees MI, Harvey K, Pearce BR, Chung SK, Duguid IC, Thomas P, Beatty S, Graham GE, Armstrong L, Shiang R, Abbott KJ, Zuberi SM, Stephenson JB, Owen MJ, Tijssen MA, van den Maagdenberg AM, Smart TG, Supplisson S, Harvey RJ (2006). Mutations in the gene encoding GlyT2 (SLC6A5) define a presynaptic component of human startle disease. *Nature Genetics* 38(7), 801-806

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Dunne EL, Hosie AM, Wooltorton JRA, Duguid IC, Harvey K, Moss SJ, Harvey RJ and Smart TG (2002). An N-terminal histidine regulate Zn²⁺ inhibition on the murine GABA receptor γ 3 subunit. *British Journal of Pharmacology* 137, 29-38

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