

## **DR BRYCE VISSEL**

Senior Research Fellow; Group Leader, Neuroscience Research Program, Garvan Institute of Medical Research

Research Group: [Neurodegenerative Disorders](#)

### **Education**

1991 PhD, University of Melbourne

1984 B Pharm (Hons 1), Sydney University

### **Awards**

2002 NSW BioFirst Award

2000 Hereditary Disease Foundation Lieberman Award

1998 Salk Institute Bundy Award

1995 Human Frontiers Research Fellowship

1994 Fulbright Award

1994 CJ Martin Fellowship for Medical Research

1984 WJ Collett Shoppee Prize, Pharmaceutical Chemistry

### **Publications**

Kaspar BK, Vissel B, Bengoechea T, Crone S, Randolph-Moore L, Muller R, Brandon EP, Schaffer D, Verma IM, Lee KF, Heinemann SF, Gage FH. Adeno-associated virus effectively mediates conditional gene modification in the brain. *Proc Natl Acad Sci U S A* 2002; 99(4):2320-5.

Vissel B, Krupp JJ, Heinemann SF, Westbrook GL. Intracellular domains of NR2 alter calcium-dependent inactivation of N-methyl-D-aspartate receptors. *Mol Pharmacol* 2002; 61(3):595-605.

Vissel B, Krupp JJ, Heinemann SF, Westbrook GL. A use-dependent tyrosine dephosphorylation of NMDA receptors is independent of ion flux. *Nat Neurosci* 2001; 4(6):587-96.

Vissel B, Royle GA, Christie BR, Schiffer HH, Ghetti A, Tritto T, Perez-Otano I, Radcliffe RA, Seamans J, Sejnowski T, Wehner JM, Collins AC, O'Gorman S, Heinemann SF. The role of RNA editing of kainate receptors in synaptic plasticity and seizures. *Neuron* 2001; 29(1):217-27.

### **Areas of Interest**

Synaptic function, memory, glutamate receptors, neuronal signalling, processes, neurological disease, neurogenesis, oncogenesis, stem cells, Parkinson's disease, dopaminergic neurons, Alzheimer's disease, motor neuron disease