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Winnipeg Chapter Society for Neuroscience presents
*the 2005 Grass Lecturer: **Dr. Yu Tian Wang***

Friday, November 25th, 2005

GRASS LECTURE

Time: 12:30-1:30PM

Location: Theatre C, 2nd floor BMS Bldg, 730 William Ave.

Title: “*NMDA receptors in synaptic plasticity and excitotoxicity*”.

WCSfN ANNUAL GENERAL MEETING

Time: 1:30-2:00PM,

Location: Theatre C, 2nd floor Basic Medical Sciences Bldg

ALL INVITED TO STAY

POSTER DISPLAYS & RECEPTION

Time: 2:00-4:00PM

Location: Brodie Centre Atrium

(Presentation of posters from this year's Society for Neuroscience Annual Meeting in Washington, or other recent meetings. This would also be an opportune time to join the Winnipeg Chapter Society for Neuroscience.)

Visit our website <http://www.sfn-manitoba.ca/>



For more information please
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e-mail pfernyhough@sbr.ca

YU TIAN WANG

Department of Medicine and Brain Research Centre
University of British Columbia, Vancouver, Canada

Dr. Wang obtained his Ph.D. in neuroscience in 1992 from Memorial University, Canada and both B.Medicine in 1982 and M.Sc. in Physiology in 1985 from Shandong Medical University in China. He then completed three year postdoctoral fellowships in the Toronto Hospital for Sick Children and University of Toronto. He worked in the Department of Laboratory Medicine and Pathobiology at the University of Toronto as an Assistant, and then Associate Professor, from 1994-2001. Since 2001, he has been a Professor in the Department of Medicine and the Brain Research Centre at the University of British Columbia and the holder of the Heart and Stroke Foundation of B.C. & Yukon Chair in Stroke Research. He is also a Howard Hughes Medical Institute International Scholar.

Dr. Wang's research focuses on understanding the molecular mechanisms responsible for regulating the function and intracellular trafficking of neurotransmitter receptors critical for brain functions, such as learning, memory and cognition, and investigating the manner by which these mechanisms may be altered in central nervous disease processes. His goal is to be able to treat central nervous disorders such as stroke, epilepsy and drug addiction by designing new therapeutics which specifically target these receptors and their pathways.

Awards and Distinctions

UBC Killam Research Prize 2005
2005 JFA Stevenson Visiting Professor of Canadian Physiological Society
University of British Columbia Distinguished University Scholar (2002-)
Howard Hughes Medical Institute International Scholar (2001-2006)
Michael Smith Foundation for Health Research Senior Scholar (2002-2007)
Canadian Institutes of Health Research (CIHR) Investigator (2001-2006)
Heart and Stroke Foundation of BC & Yukon Chair in Stroke Research (2001-)
Canadian Medical Research Council (MRC) Scholarship (1996-2001)
Canadian Medical Research Council (MRC) Fellowship (1992-1995)

Selected Publications

Wang YT and MW Salter, Regulation of NMDA receptors by protein-tyrosine kinases and phosphatases, *Nature* 369:233-235, 1994.

Wan Q, Xiong ZG, Man HY, Ackerley CA, Braunton J, Lu WY, Becker LE, MacDonald JF and **YT Wang**. Recruitment of functional GABA_A receptors to postsynaptic domains by insulin, *Nature* 388:686-690, 1997.

Liu F, Wan Q, Pristupa Z, **Wang YT*** and Niznik HB* (* equal corresponding authors). Direct protein-protein binding enables reciprocal dopamine D5 and GABA_A receptor cross-talk, *Nature* 403:274-280, 2000.

HY Man, J Lin, W Ju, G Ahmadian-Bahadorani, LE Becker, M Sheng and **YT Wang**. Regulation of AMPA receptor-mediated synaptic transmission by clathrin-dependent receptor internalization, *Neuron* 25:649-662, 2000

Man HY, QH Wang, WY Lu, G Ahmadian, S D'Souza, L Liu, W Ju, LE Becker, MP Wymann, JF MacDonald and **YT Wang**. Activation of PI3-kinase is required for AMPA receptor insertion during LTP of mEPSCs in cultured hippocampal neurons, *Neuron* 38:611-624, 2003.

Nong Y, YQ Huang, W Ju, LV Kalia, G Ahmadian, **YT Wang***, MW Salter* (*equal corresponding authors), Glycine binding primes NMDA receptor internalization, *Nature*, 422:302-307, 2003.

Liu L, TP Wong, MF Pozza, K Lingenhoebl, Y Wang, M Sheng, YP Auberson, **YT Wang**. Subtypes of NMDA receptors govern the direction of hippocampal synaptic plasticity, *Science* 304:1021-1024, 2004.