A&PD Symposium  Prof. Jürgen Götz & Dr. Lars Ittner
Under the auspices of ‘Brain and Mind Australia’

NOVEL TECHNOLOGIES AND STRATEGIES TO DISSECT PATHOMECHANISMS IN ALZHEIMER’S AND PARKINSON’S DISEASE

Monday October 15th, 2007.  8:30am - 4:40pm
@ the Brain & Mind Research Institute (BMRI)
100 Mallett Street, Camperdown NSW

Alzheimer’s & Parkinsons Disease Laboratory
Uncovering the mysteries of neurodegenerative disease
PROGRAM
08.30-09.00 Coffee and Donuts

Novel technologies
Chair: A/Prof Roberto Cappai
09.00-10.00 Plenary lecture
Prof Michael Przybylski (University of Constance, Germany)
(a) New methods and developments of mass spectrometric proteomics
(b) New approaches for immunotherapy and diagnosis of neuro-degenerative diseases

Professor Przybylski is a world expert in mass spectrometry (such as LA-ICPMS and MALDI-FTICR-MS). He is the recipient of many prestigious awards (including a Dr. honoris causa from the University of Iasi), authored more than 260 publications, owns 20 patents and is on the editorial board of six international journals. Michael Przybylski is Chairman of the German Society for Mass Spectrometry since 1998 and Guest Professor of the Chinese Academy of Sciences since 2000.

10.00-10.20 Dr. Kay Double (POWMRI, University of New South Wales, Randwick): Use of synchrotron chemical X-ray microcopy to study the metallobiology of neuromelanin in the human brain

10.20-10.40 A/Prof. Michael Kassiou (BMRI, University of Sydney, Sydney): Molecular probes for neurodegenerative diseases

10.40-10.55 Dr. Andreas Wiesner (BMRI, University of Sydney, Sydney): Characterisation of the proteome in the synapse of AD mouse models

Coffee Break

Pathomechanisms
Chair: Prof. Glenda Halliday
13.30-13.50 A/Prof. Roberto Cappai (University of Melbourne, Melbourne): Molecular determinants of amyloid beta toxicity in Alzheimer’s disease

13.50-14.10 Dr. Bryce Vissel (Garvan Institute, Darlinghurst): Regulation of neurogenesis in hippocampal injury model

Lunch on site

Coffee Break

Chair: A/Prof. Edna Hardeman
15.20-15.40 Prof. Glenda Halliday (POWMRI, University of New South Wales, Randwick): Myelin proteins in Multiple System Atrophy

16.00-16.15 Dr. Damian Holsinger (Discipline of Biomedical Science, BMRI, University of Sydney, Sydney): BACE1 as a target for Alzheimer’s therapy

16.15-16.35 Dr. Gerald Muanch (James Cook University, Townsville): Targeting inflammation in Alzheimer’s disease

Registration Form (for catering purposes - no charge)
Please fax completed form to 02 9351 0652 or email: jgoetz@med.usyd.edu.au