

2012

NZANNC

New Zealand Applied Neurosciences Conference
September 14-16 | AUT North Shore Campus, Auckland, New Zealand

Preliminary Programme

updated 10 September 2012



NATIONAL INSTITUTE FOR
STROKE AND APPLIED NEUROSCIENCES
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Day One: Friday September 14, 2012		Room
8.00am onwards	Registrations	
9.30 – 10.30am	<p>Mihi whakatau</p> <ol style="list-style-type: none"> 1. Derek McCormack, AUT University Vice-Chancellor and Vice-President of the New Zealand Stroke Foundation 2. Professor Max Abbott, Pro Vice-Chancellor and Dean, Faculty of Health & Environmental Sciences, AUT University <p>Introductory notes:</p> <ol style="list-style-type: none"> 1. Dr Robin Olds, CEO, Health Research Council of New Zealand 2. Professor Valery Feigin, NZANC 2012 Chairman and Director of National Institute for Stroke & Applied Neurosciences 	AF116 Lecture Theatre
10.30 – 11.00am	Morning tea	
11.00 – 12.00pm	<p>Keynote address – Professor Mike Dragunow (Auckland, New Zealand)</p> <p>An adult human brain drug development platform for translational neuroscience</p> <p>Chair: Professor Valery Feigin</p>	AF116 Lecture Theatre
12.00 – 1.00pm	Lunch	
1.00 – 2.30pm	<p>Plenary session – Population and health economic research of neurological disorders</p> <p>Chair: Associate Professor Denise Taylor</p> <ol style="list-style-type: none"> 1. Cardiovascular disease prevention 2012: A step change and a new challenge Professor Norman Sharpe (Auckland, New Zealand) 	AF116 Lecture Theatre

Day One: Friday September 14, 2012 continued		Room
1.00 – 2.30pm	<p>Plenary session – Population and health economic research of neurological disorders (continued)</p> <p>2. Preventing and treating stroke; the view from primary care Professor Bruce Arroll (Auckland, New Zealand)</p> <p>3. Multiple Sclerosis; a New Zealand perspective Dr Deborah Mason (Christchurch, New Zealand)</p>	AF116 Lecture Theatre
2.40 – 3.30pm	3 Concurrent workshops	
	<p>1. Animal Models of Stroke Dr Ailsa McGregor (Auckland, New Zealand), Dr Andrew Clarkson (Otago, New Zealand)</p>	AF124 Lecture Theatre
	<p>2. How do we structure/evidence caregiver training for stroke patient family? - a nursing orientated workshop Mrs Pauline Owens (Auckland, New Zealand)</p>	AF128 Seminar Room
	<p>3. Assessing impairment and therapy outcomes in post-stroke rehabilitation Dr Penelope McNulty (NSW, Australia)</p>	AF108 Seminar Room
3.30 – 4.00pm	Afternoon tea	

Day One: Friday September 14, 2012 continued		Room
4.00 – 4.50pm	2 Concurrent scientific oral presentation sessions	
	Session 1 Scientific oral presentations – Population and Health Economic Research of Neurological Disorders Chair: Associate Professor Allen Brown	AF124 Lecture Theatre
4.05 – 4.25pm	1. Project management of a large population based study on TBI : The challenges and achievements Dr Amy Jones (Auckland, New Zealand)	
4.30 – 4.50pm	2. Comparison of socio-economic and life satisfaction outcomes following a stroke or an injury in New Zealand Ms Sue McAllister (Dunedin, New Zealand)	
	Session 2 Scientific oral presentations – Basic Neuroscience Research Chair: Associate Professor Robert Turner	AF128 Seminar Room
4.05 – 4.25pm	1. Measuring Neuroendocrine Functioning with the Cortisol Awakening Response: Individual Differences, Merits, and Challenges Ms Erin Hill (Auckland, New Zealand)	
4.30 – 4.50pm	2. Influence of the ipsilateral motor cortex on functional performance in unilateral transtibial amputees Mr Brenton Hordacre (Daw Park, Australia)	
5.00 - 6.00pm	Poster viewing session / Welcome drinks and nibbles	

Day Two: Saturday September 15, 2012		Room
7.30am onwards	Registrations	
8.00 – 8.50am	3 Concurrent workshops	
	1. Post-stroke protection and repair: Moving forward in the 21st century Dr Andrew Clarkson (Otago, New Zealand), Ms Ana Antonic (Melbourne, Australia), Dr Antonio Berretta (Otago, New Zealand), Dr Suzanne Ackerley (Auckland, New Zealand)	AF124 Lecture Theatre
	2. Clinical assessment of the nociceptive system Dr Gwyn Lewis (Auckland, New Zealand)	AF108 Seminar Room
	3. Implementing Good Lab Practice (GLP) to enhance research productivity Associate Professor Akshay Anand (Chandigarh, India)	AF128 Seminar Room
9.00 – 10.30am	Plenary session – Implementing new technologies in neurorehabilitation Chair: Dr Samir Anwar 1. Priming for recovery after stroke Professor Winston Byblow (Auckland, New Zealand) 2. Mixed Reality: Integrating upper extremity stroke rehabilitation and kinematics within a novel environment Professor Steven Wolf (Atlanta, USA) 3. Upper limb post-stroke rehabilitation with Wii-based Movement Therapy Dr Penelope McNulty (NSW, Australia)	AF116 Lecture Theatre

Day Two: Saturday September 15, 2012 continued		Room
9.00 – 10.30am	<p>Plenary session – Implementing new technologies in neurorehabilitation (continued)</p> <p>4. Augmented Virtual Reality: iCBR for improving upper limb function following stroke? Associate Professor Leigh Hale (Otago, New Zealand)</p>	AF116 Lecture Theatre
10.30 – 11.00am	Morning tea	
11.00 – 12.00pm	<p>Plenary session – Pain</p> <p>Chair: Professor Hans von Holst</p> <p>1. Pain: all in the head? Dr Gwyn Lewis (Auckland, New Zealand)</p> <p>2. Can manipulating expectation alter the magnitude of conditioned pain modulation? Mr David Rice (Auckland, New Zealand)</p> <p>3. Using grounded theory to explore the ways people with chronic pain live well Ms Bronwyn Thompson (Christchurch, New Zealand)</p>	AF116 Lecture Theatre
12.00 – 1.00pm	Lunch	
1.00 – 2.30pm	<p>Plenary session – Basic neuroscience research</p> <p>Chair: Dr Ailsa McGregor</p> <p>1. Modulation of interhemispheric inhibition. Cellular mechanisms and possible implications for stroke Associate Professor John Reynolds (Otago, New Zealand)</p> <p>2. Application of organic conductive polymers in clinical neuroscience Professor Hans von Holst (Stockholm, Sweden)</p>	AF116 Lecture Theatre

Day Two: Saturday September 15, 2012 continued		Room
1.00 – 2.30pm	Plenary session – Basic neuroscience research (continued) 3. The Basal Ganglia and Motor Skill Associate Professor Robert Turner (Pittsburgh, USA)	AF116 Lecture Theatre
2.30 – 3.00 pm	Afternoon tea	
3.00 – 3.50pm	3 Concurrent workshops	
	1. Implementing new technologies in neurorehabilitation Professor Steven Wolf (Atlanta, USA), Professor Winston Byblow (Auckland, New Zealand), Associate Professor Leigh Hale (Otago, New Zealand), Dr Gwyn Lewis (Auckland, New Zealand), Dr Denise Taylor (Auckland, New Zealand), Dr Penelope McNulty (NSW, Australia)	AF128 Seminar Room
	2. Population-based epidemiological analyses of traumatic brain injury: Research questions from a rehabilitation clinician's perspective Associate Professor Allen Brown (Rochester, USA)	AF124 Lecture Theatre
	3. Motor Cortical Dysfunction in Parkinson's Disease Associate Professor Robert Turner (Pittsburgh, USA)	AF108 Seminar Room

Day Two: Saturday September 15, 2012 continued		Room
4.00 – 4.50pm	2 Concurrent scientific oral presentation sessions	
	Session 1 Scientific oral presentations – Clinical Neuroscience and Neurorehabilitation Chair: Dr Cathy Stinear	AF124 Lecture Theatre
4.05 – 4.25pm	1. Mirror symmetric bimanual movement priming can increase corticomotor excitability and enhance motor learning Ms Marie-Claire Smith (Auckland, New Zealand)	
4.30 – 4.50pm	2. Non-invasive Cerebellar Stimulation in Primary Focal Dystonia Dr Lynley Bradnam (Adelaide, Australia)	
	Session 2 Scientific oral presentations – Basic neuroscience research Chair: Dr Andrew Clarkson	AF128 Seminar Room
4.05 – 4.25pm	1. Low-Dose GYKI-52466 Preconditioning Preserves Hippocampal CA1 Neuronal Excitability and Long-Term Potentiation in a Rat Model of Hypoxic-Ischemic Brain Injury Mr Prasanta Nayak (Dunedin, New Zealand)	
4.30 – 4.50pm	2. Is biological reductionism necessary to combat memory disorders: lessons from Indian herb Professor Akshay Anand (Chandigarh, India)	

Day Two: Saturday September 15, 2012 continued		Room
5.00 – 6.00 pm	<p>Plenary session – Population and health economic research of neurological disorders</p> <p>Chair: Associate Professor Allen Brown</p> <p>1. The ethical dilemma when caring for non resident stroke victims - what can we do? Mrs Pauline Owens (Auckland, New Zealand)</p> <p>2. Maori taking control of stroke recovery Dr Matire Harwood (Auckland, New Zealand)</p>	AF116 Lecture Theatre
6.00 – 6.30 pm	Shuttle bus transfer to the conference dinner venue, The Spencer on Byron Hotel	
6.30 – 9.30 pm	Conference Dinner	

Day Three: Sunday September 16, 2012		Room
8.30am onwards	Registrations	
9.00 – 10.30am	Plenary session – Controversies in Neurology Chair: Professor Alan Barber 1. Controversies in stroke Dr Dean Kilfoyle (Auckland, New Zealand) 2. Is aging a mitochondrial disease? Dr James Cleland (Auckland, New Zealand) 3. Is levodopa neurotoxic? Dr Mark Simpson (Auckland, New Zealand)	AF116 Lecture Theatre
10.30 – 11.00am	Morning tea	
11.00 – 11.50am	Scientific oral presentations – Clinical Neuroscience and Neurorehabilitation research Chair: Dr Cathy Stinear 11.05 – 11.25am 1. The Daily Living Self-Efficacy Scale: A New Measure for Assessing Self-Efficacy in Stroke Survivors Dr Annick Maujean (Meadowbrook, Australia) 11.30 – 11.50am 2. Sensorimotor function in the hand is enhanced by temporary cutaneous anaesthesia of the forearm Mr Felipe Molina Jaque (Auckland, New Zealand)	AF116 Lecture Theatre
12.00 – 1.00pm	Lunch	

Day Three: Sunday September 16, 2012 continued		Room
12.10 – 1.00pm	<p>Satellite Symposium by Allergan - Neuro-rehabilitation in Harmful Post-Stroke Focal Spasticity Evidence & Execution</p> <p>Chair: Professor Alan Barber</p> <p>1. Translating Clinical Evidence into Practice Professor Barry Snow (Auckland, New Zealand)</p> <p>2. Goal Setting and Achieving Meaningful Outcomes Dr Suresh Subramanian (Auckland, New Zealand)</p>	AF128 Seminar Room
1.00 – 2.30pm	<p>Plenary session – Traumatic Brain Injury</p> <p>Chair: Associate Professor Denise Taylor</p> <p>1. How we care for TBI patients after neurosurgical treatment Professor Hans von Holst (Stockholm, Sweden)</p> <p>2. Traumatic brain injury: Mayo Clinic Population-based analyses of incidence, controlled survival and cost across the full spectrum of disease Associate Professor Allen Brown (Rochester, USA)</p>	AF116 Lecture Theatre
2.30 – 3.00pm	Concluding remarks, awards and invitation to NZANC Auckland 2014	
3.00 – 3.30pm	Afternoon Tea	