



12th International Conference on Cognitive Neuroscience



Brisbane, Australia

27-31 July, 2014

www.icon2014.org

Sunday 27 July 2014

1:00 pm - 7:30 pm

Registration Desk Open

Plaza Level, BCEC on Grey

5:30 pm - 6:00 pm

OPENING ADDRESS

Plaza Auditorium

6:00 pm - 7:00 pm

KEYNOTE LECTURE 1

Plaza Auditorium

Professor Jason Mattingley, University of Queensland, Australia

7:00 pm - 8:30 pm

Welcome Reception

Exhibition Area

Monday 28 July 2014

9:00 am - 10:00 am

KEYNOTE LECTURE 2

Plaza Auditorium

Professor Russell A Poldrack, University of Texas, USA

10:00 am - 10:30 am

Morning Tea

Exhibition Area

10:30 am - 12:00 pm

12:00 pm - 1:00 pm

Lunch

At leisure

1:00 pm - 2:30 pm

**S04 - The Role of Brain
Oscillations in Perception,**

**S05 - Neural Indices Of Primitive
Intelligence: From The Midbrain And Plasticity Of Sensory**

**S06 - Cross-Modal Integration
D01 - Translational Cognitive
Neuroscience: Understanding**

Attention, and Memory

Plaza Auditorium
 Simon Hanslmayr, University of Birmingham, UK
 Denes Szucs, University of Cambridge, UK
 Nicholas Myers, University of Oxford, UK
 Simon Hanslmayr, University of Birmingham, UK

To Cortex

Room P6
 Co-Chair: Professor Pat Michie, University of Newcastle, Australia
 Co-Chair & Speaker: Manuel S. Malmierca, University of Salamanca, Spain
 Sabine Grimm, University of Barcelona, Spain
 Lauren Harms, University of Newcastle, Australia
 Risto Näätänen, University of Aarhus, Denmark

Systems In The Normal And Peripherally Deprived Brain

Room P7
 Chair: Franco Lepore, University of Montréal, Canada
 Krish Sathian, Emory University, USA
 Stephen G. Lomber, University of Western Ontario, Canada
 Amir Amedi, Hebrew University Jerusalem

Attention And Multitasking On The Roadway

Room P8
 David Strayer, University of Utah, USA
 Paul Atchley, University of Kansas, USA
 Jason McCarley, Flinders University, Australia

2:30 pm - 3:30 pm

KEYNOTE LECTURE 3

Plaza Auditorium
 Professor Michael C. Corballis, University of Auckland, New Zealand

3:30 pm - 4:00 pm

Afternoon Tea

Exhibition Area

4:00 pm - 6:00 pm

POSTER SESSION 1

Rooms P9, 10 & 11 (Combined)

Tuesday 29 July 2014

9:00 am - 10:00 am

KEYNOTE LECTURE 4

Plaza Auditorium
 Professor Olaf Sporns KEY004, Indiana University, USA

10:00 am - 10:30 am

Morning Tea

Exhibition Area

10:30 am - 12:00 pm

S07 - Understanding High-Level Vision, Attention And Decision Making By Means Of Frequency-Tagging EEG

Plaza Auditorium
 Chair: Bruno Rossion, University of Louvain, Belgium
 Professor Jason Mattingley, University of Queensland, Australia
 Bruno van Swinderen, Queensland Brain Institute, Australia
 Redmond O'Connell, Trinity College Dublin, Ireland

S08 - The Dynamic Brain

Room P6
 Claudio R. Mirasso, Institute for Cross-Disciplinary Physics and Complex Systems, Spain
 Luis M. Martinez, Institute of Neuroscience, Alicante, Spain
 Chair: Leonardo L. Gollo, Queensland Institute for Medical Research, Australia
 Michael Breakspear, Queensland Institute for Medical Research, Australia

S09 - New Approaches To The Neural Basis Of Mathematical Cognition

Room P7
 Chris Clark, University College London, UK
 Carlo Semenza, University of Padova, Italy
 Teresa Iuculano, Stanford University, USA
 Chair: Brian Butterworth, University College London, UK

OP2 - Cognition, Memory & Learning

Room P8
 Matar Haller, University of California, Berkeley, USA
 Britta Worringer, RWTH Aachen University, Germany
 Corinna Haenschel, City University London, UK
 Catherine Wacogne, INSERM, France

12:00 pm - 1:00 pm

Lunch

At leisure

1:00 pm - 2:30 pm

S10 - TMS And TDCS As A Tool In Cognitive Neuroscience: How Does Transcranial Stimulation Influence Behavior?

Plaza Auditorium
Michael A. Nitsche, University Medical Center Goettingen, Germany
Carlo Miniussi, University of Brescia & IRCCS Centro San Giovanni di Dio Fatebenefratelli, Italy
Chair: Hartwig R. Siebner, Copenhagen University Hospital Hvidovre, Denmark

S11 - The Menzies Foundation Symposium: A Window Into Normal Cognition: Insights From Synaesthesia

Room P6
David Brang, University of Chicago, USA
Kate Bankieris, University of Rochester, USA
Derek Arnold, The University of Queensland, Australia
Chair: Anina N. Rich, Macquarie University, Australia

S12 - Working Memory 2014: 40 Years On Since Baddeley & Hitch

Room P7
Nahid Zokaei, University of Oxford, UK
Chair: Eva Feredoes, University of Reading, UK
Mathilde Bonnefond, Radboud University, Netherlands
Yoni Pertzov, Hebrew University, Jerusalem

D02 - How Do We Improve Medical Translation? Developing Translational Approaches Towards Exploring

Cognitive And Behavioural Endophenotypes In Animal Models Of Disease
Room P8
Jess Nithianantharajah, University of Edinburgh, UK
Anthony J Hannan, Florey Institute of Neuroscience and Mental Health, Australia
Caitlin E McOmish, Columbia University Medical Center, USA

2:30 pm - 3:30 pm

KEYNOTE LECTURE 5

Plaza Auditorium
Professor Heidi Johansen-Berg, University of Oxford, UK

3:30 pm - 4:00 pm

Afternoon Tea

Exhibition Area

4:00 pm - 6:00 pm

POSTER SESSION 2

Rooms P9, 10 & 11 (Combined)

7:00 pm - 10:00 pm

CONFERENCE DINNER

Riverlife Kangaroo Point

Wednesday 30 July 2014

9:00 am - 10:00 am

KEYNOTE LECTURE 6

Plaza Auditorium
Professor Stanislas Dehaene, Collège de France, Paris, France

10:00 am - 10:30 am

Morning Tea

Exhibition Area

10:30 am - 12:00 pm

S13 - Segregation And Integration Of Cortical Laminar Information Streams And Their Role In Attention

Plaza Auditorium
Markus Barth, The University of Queensland, Australia
Saskia Haegens, Columbia University, USA
René Scheeringa, Donders

S14 - Consciousness, Integrated Information And The Free Energy Principle

Room P6
Jakob Hohwy, Monash University, Australia
Guilio Tononi, University of Wisconsin, USA
Anil Seth, University of Sussex, UK
Naotsugu Tsuchiya, Monash

S15 - Task Set Representation And Updating: Aging, Training And Reward Motivation

Room P7
Frini Karayanidis, University of Newcastle, Australia
Jutta Kray, Saarland University, Germany
Hannah Schmitt, Saarland University, Germany

OP3 - Language

Room P8
Daniela Sammler, Max Planck Institute for Human Cognitive and Brain Sciences, Germany
Fahimeh Darki, Karolinska Institute, Sweden
Ghislaine Dehaene-Lambertz, INSERM U992, France
Julie Tremblay, Ste-Justine

<p>Institute for Brain, Cognition and Behaviour, Netherlands Andre M. Bastos, Ernst Strüngmann Institute (ESI) for Neuroscience, Germany</p>	<p>University, Australia</p>	<p>Jo Etzel, Washington University, USA</p>	<p>Hospital Research Center, Canada</p>
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12:00 pm - 1:00 pm

Lunch

At leisure

1:00 pm - 2:30 pm

S16 - Brain Processes Associated With Cognitive Control

Plaza Auditorium
 Diane M. Beck, University of Illinois at Urbana-Champaign, USA
 Paul M. Corballis, University of Auckland, NZ
 Gabriele Gratton, University of Illinois at Urbana-Champaign, USA
 Pauline Baniqued, University of Illinois at Urbana-Champaign, USA

S17 - Sensorimotor Foundations Of Understanding And Interacting With Others

Room P6
 Paola Sessa, University of Padova, Italy
 Pascal Molenberghs, University of Queensland, Australia
 Emily Cross, Bangor University, UK
 Ross Cunnington, University of Queensland, Australia

S18 - Mechanisms Of Cognitive Decline In Normal Aging

Room P7
 Axel Mecklinger, Saarland University, Germany
 Shulan Hsieh, National Cheng Kung University, Taiwan
 Michael D. Rugg, University of Texas, USA
 K. Richard Ridderinkhof, University of Amsterdam, The Netherlands

OP4 - Sensation & Perception

Room P8
 Aurélie Pajani, Laboratoire de Sciences Cognitives & Psycholinguistique, Ecole Normale Supérieure - CNRS, France
 Simon van Gaal, University of Amsterdam, Netherlands
 Thomas Carlson, Macquarie University, Australia
 Oliver Baumann, The University of Queensland, Australia

2:30 pm - 3:00 pm

Afternoon Tea

Exhibition Area

3:00 pm - 4:00 pm

KEYNOTE LECTURE 7

Plaza Auditorium
 Professor Pat Michie, University of Newcastle, Australia

4:00 pm - 6:00 pm

POSTER SESSION 3

Rooms P9, 10 & 11 (Combined)

Thursday 31 July 2014

9:00 am - 10:00 am

KEYNOTE LECTURE 8

Plaza Auditorium
 Professor Daniel Wolpert, University of Cambridge, UK

10:00 am - 10:30 am

Morning Tea

Exhibition Area

10:30 am - 12:00 pm

S19 - ECoG Signatures Of Human Cognition

Plaza Auditorium
 Josef Parvizi, Stanford University, USA
 Jean-Philippe Lachaux, INSERM Lyon, France
 Robert T. Knight, University of California Berkeley, USA

S20 - The Interplay Of Attention And Prediction In The Human Brain

Room P6
 Peter Kok, Donders Institute for Brain, Cognition and Behaviour, Netherlands
 Srivas Chennu, University of Cambridge, UK

S21 - Cognitive Modeling And Cognitive Neuroscience: A Symbiotic Relationship

Room P7
 Professor Birte Forstmann, University of Amsterdam, The Netherlands
 Alexander Provost, University of Newcastle, Australia

OP5 - Motor, Social & Emotional Processes

Room P8
 Aina Puce, Indiana University, USA
 Tam Ho, Max Planck Institute for Human Cognitive and Brain Sciences, Germany
 Simmy Poonian, The University of

		Marta I. Garrido, University of Queensland, Australia Angela J. Langdon, Princeton University, USA	Matthias Mittner, University of Amsterdam, The Netherlands Chair & Speaker: Renate Thienel, University of Newcastle, Australia	Queensland, Australia Giacomo Novembre, The Marcs Institute, University of Western Sydney, Australia
12:00 pm - 1:00 pm	Lunch At leisure			
1:00 pm - 2:30 pm	S22 - Cognition And Connectomics Plaza Auditorium Luca Cocchi, Queensland Brain Institute, Australia Andrew Zalesky, University of Melbourne, Melbourne, Australia. Professor Olaf Sporns, Indiana University, USA Michael W Cole, Rutgers University, USA	S23 - Formal Theories Of Dorsal Anterior Cingulate Cortex Function Room P6 William H. Alexander, Universiteit Gent, Belgium Mehdi Khamassi, CNRS Paris, France Amitai Shenhav, Princeton University, USA Clay Holroyd, University of Victoria, Canada	S24 - Prediction In Perception Room P7 Robert P. O'Shea, Southern Cross University, Australia Bradley N Jack, Southern Cross University, Australia Juanita Todd, University of Newcastle, Australia Peter Keller, University of Western Sydney, Australia	OP6 - Attention Room P8 Hannah Filmer, The University of Queensland, Australia Elexa St. John-Saaltink, Radboud University Nijmegen, Netherlands Nicholas Myers, University of Oxford, UK Oscar Jacoby, The University of Queensland, Australia
2:30 pm - 3:00 pm	Afternoon Tea Exhibition Area			
3:00 pm - 3:30 pm	ACNS INVESTIGATOR LECTURE Plaza Auditorium Alex Fornito, Deputy Director, Monash Clinical & Imaging Neuroscience, Monash University			
3:30 pm - 4:30 pm	KEYNOTE LECTURE 9 Plaza Auditorium Professor Birte Forstmann, University of Amsterdam, The Netherlands			
4:30 pm - 5:30 pm	CLOSING ADDRESS Plaza Auditorium			