	Sunday 20 September 2015
-	ete Ainsworth Building, Neuroscience Research Australia (NeuRA),
Corner of Barke	r and Easy Streets, Randwick
16.30 - 16:50	Maxi-taxi shuttles from Coogee Bay Hotel to NeuRA
17.00	Welcome: Peter Schofield, Neuroscience Research Australia
	Chair: Cyndi Shannon Weickert, Neuroscience Research Australia
	Plenary Speaker: Bita Moghaddam, University of Pittsburgh, USA
	"Futuristic" approaches to preclinical models of brain disorders: focus on prevention and
	symptoms treatment.
18.00 - 19.00	Light refreshments
	Monday 21 September 2015
-	Bay Hotel Conference Centre,
	ee Bay Road and Arden Street, Coogee
8.00 - 9.00	Enquiry desk manned for talk uploads
9.00 - 9.10	Opening Address: Vibeke Catts, Neuroscience Research Australia
9.10 - 10.10	<u>Symposium</u> : Sex hormones and their wide-ranging effects on psychopathology
	Chair: Andrea Gogos, Florey Institute of Neuroscience and Mental Health
	Kim Felmingham, University of Tasmania
	The Effect of Progesterone on Visual Encoding and Recall of Threatening Stimuli
	Bronwyn Graham, University of New South Wales
	An across species examination of the influence of estradiol on fear extinction Andrea Gogos, Florey Institute of Neuroscience and Mental Health
	Comparing the effects of estradiol and its analogues on drug-induced behavioural
	phenotypes relevant to schizophrenia
	Tertia Purves-Tyson, Neuroscience Research Australia
	Interactions between sex steroid pathways and dopamine-related molecules in rodent
	midbrain and in the human substantia nigra in schizophrenia
10.10 - 10.30	Data Blitz: Synapses and connectivity (5 minutes each)
	Chair: Lauren Harms, University of Newcastle
10.10	Adam Walker, Monash Institute of Pharmaceutical Sciences
	Targeting blood-to-brain kynurenine transport to prevent inflammation-induced depression
10.15	Dean Wright, University of Melbourne
	N-Acetylcysteine mediates psychiatric, motor and molecular dysfunction in Huntington's
	disease mice
10.20	Lena Oestreich, University of New South Wales
	Decreased integrity of the fronto-temporal fibers of the left inferior occipito-frontal fasciculu associated with auditory verbal hallucinations in schizophrenia
10.25	Thomas Whitford
10.25	Electrophysiological suppression to delayed, self-initiated auditory stimuli in schizotypy:
	evidence for a 'continuum of psychosis'
10.30 - 10.50	Morning tea
10.50 - 11.50	Symposium: Genetics of neurodevelopmental disorders
	Chair: Irina Voineagu, University of New South Wales
	Jozef Gecz, University of Adelaide
	Protocadherin 19 epilepsy, autism and intellectual disability limited to females
	Charles Claudianos, Monash University
	Molecular characterization of autism spectrum disorders
	Valsamma Eapen, University of New South Wales
	From genes to behaviour - a neurodevelopmental journey in Tourette Syndrome
	John Christodoulou, University of Sydney
	The Genetics of Rett Syndrome - current state of the field

11.50 - 12.10	<u>Data Blitz</u> : Molecular and genetic approaches for psychosis (5 minutes each) Chair: David Lloyd, Neuroscience Research Australia
11.50	Xiaoying Cui, University of Queensland
	Overexpression of the vitamin receptor in SHS5Y5 promotes dopaminergic neuron differentiation
11.55	Zoltan Sarnyai, James Cook University
	Ketogenic diet normalises schizophrenia-related phenotype in a pharmacological animal model
12.00	Brian Dean, Florey Institute for Neuroscience and Mental Health Changes in cortical NMDA receptors and PSD-95 protein in schizophrenia, mood disorders and suicide
12.05	Janice Fullerton, Neuroscience Research Australia Differential effects of disease associated ST8SIA2 haplotype on cortical white matter in
	schizophrenia
12.10 - 13.10	Lunch
13.10 - 14.10	Early Career Forum: How to build a collaborative network
	Chair: Justine Gatt, Neuroscience Research Australia
	Robin Turner, University of New South Wales How to describe your statistical analysis in grant applications, and when to get a
	biostatistician on board as a collaborator
	Peter Schofield, Neuroscience Research Australia
	Constructing your team for your grant application
	Sarah Medland, Queensland Institute of Medical Research
	How to build a collaborative network
14.10 - 15.10	Symposium: The neurobiology of cannabis: Relevance to brain disorders
	Chair: Tim Karl, Neuroscience Research Australia
	Discussant: Murat Yucel, University of Melbourne
	Nathan Gillespie, Virginia Institute for Psychiatry and Behavioural Genetics, USA
	Associations between schizophrenia, psychosis and cannabis use in a large population-based sample of adult twins
	Jonathan Arnold, University of Sydney
	<i>Preclinical studies on the link between cannabis and psychosis: interactions between CBD and THC</i>
	Nadia Solowij, University of Wollongong
	Modulation of hippocampal glutamate and GABA by acute administration of $\Delta 9$ -tetrahydrocannabinol and cannabidiol in humans
	Tim Karl, Neuroscience Research Australia
	Therapeutic potential of cannabidiol for Alzheimer's disease
15.10 - 15.50	Afternoon tea / BPA Annual General Meeting
15.50 - 16.50	6th Aubrey Lewis Award
	Chair: Melissa Green, University of New South Wales
	Irina Voineagu, University of New South Wales
	The role of non-coding genomic regions in the genetics of autism spectrum disorders
16.50 - 17.00	Set-up of poster boards in Seaview room
17.00 - 18.30	Poster Presentations (Seaview and Seabreeze rooms)
18.30	Social function in the Arden Lounge, Coogee Bay Hotel

We would like to thank our Platinum sponsors





VENUE: Coogee Bay Hotel Conference Centre, Corner of Coogee Bay Road and Arden Street, Coogee 330 9.00 Enquiry desk manned for talk uploads Debtetz: Biomarkers are useful for prognosis and prediction of treatment response in psychiatry Chair: Melissa Green, University of New South Wales Debtetz: Cyndi Shannon Weickert, Jayashri Kulkarni, John McGrath, Darryl Eyles Data Blitz: Thoriton, trauma and feor conditioning (S minutes each) Chair: Diva Metha, University of Queensiand Dorytocin reduces amygdala activity, increases social interactions and reduces anxiety-like behaviour Dibbault Renoir, Florey Institute of Neuroscience and Mental Health Effects of environmental enrichment and exercise in a mouse model of anxiety with cognitive impairment 10.10 Jee Hyun Kim, Florey Institute of Neuroscience and Mental Health Chronic exercise recovers reinstatement of conditioned fear in aging mice 10.11 Jee Hyun Kim, Florey Institute of Neuroscience and Sector in aging mice 10.20 Anna Watters, University of New South Wales Effects of childhood trauma on brain function during emotion processing in psychosis Belinda Liddell, University of New South Wales Morning tea 0.20 Yann Quide, University of New South Wales Morning tea		Tuesday 22 September 2015
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12.20 - 13.20 Lunch		
	12.20 - 13.20	Lunch

13.20 - 14.20	<u>3rd Isaac Schweitzer Lecture</u>
	Chair: Elizabeth Scarr, University of Melbourne
	John McGrath, University of Queensland
	Preventing schizophrenia – easier than you think?
14.20 - 14.50	Data Blitz: Genetics in psychiatry: From gene regulation to gene expression (5 minutes each)
	Chair: Thibault Renoir, Florey Institute of Neuroscience and Mental Health
14.20	Michael Geaghan, University of Newcastle
	Upregulation of microRNA biogenesis and the implications for neuronal function
14.25	Juan Olaya, Neuroscience Research Australia
	Schizophrenia-like phenotypes of a novel transgenic mouse model for neuregulin-1 type III
14.30	Joshua Atkins, University of Newcastle
	RNA sequencing reveals disruptions caused by CNVs that influence the neuronal-imprinted
	domain 15q11
14.35	Chad Bousman, University of Melbourne
	Polygenic plasticity moderates the effects of severe childhood abuse on depressive symptom
	severity
14.40	Alex Shaw, Neuroscience Research Australia
	Addressing rare variant contributions to the genetic architecture of bipolar disorder
14.45	Divya Metha, University of Queensland
14 50 45 40	Lifetime stress accelerates epigenetic aging
14.50-15.10	Afternoon tea
14.50-15.10 15.10 - 16.10	Afternoon tea <u>Symposium</u> : Fear and the developing brain across species: Insights into early-life
	Afternoon tea <u>Symposium</u> : Fear and the developing brain across species: Insights into early-life vulnerabilities for anxiety
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