



***XIII Annual Meeting of the  
International College of Geriatric Psychoneuropharmacology  
October 30 – Nov 2, 2013  
Pittsburgh, Pennsylvania USA***

***Wednesday, October 30  
Junior Investigator Training Day***

- 12:00 - 12:10 Welcome-ICGP Awards Committee co-chairs Sebastian Köhler and Brent Forester*  
*12:10 - 12:20 Welcome-ICGP President - Perminder Sachdev*  
*12:20 - 1:35 Lunch*  
*1:35 - 3:20 Jr. Investigator Awardees Presentations*  
*3:20 - 3:40 Break*  
*3:40 - 4:25 Career Development: Publication Strategies-John O'Brien*  
*4:25 - 5:10 Career Development: Grant Writing Strategies-Charles F. Reynolds III*  
*5:10 - 5:30 Break*  
*5:30 - 6:00 Scientific Autobiography I -Mary Ganguli*  
*6:00 - 6:30 Scientific Autobiography II-William Klunk*  
*6:30 Closing- ICGP Awards Committee co-chairs Sebastian Köhler and Brent Forester*
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## **Thursday, October 31**

**8:30-10:00**

### **President's Plenary**

#### **“The Exceptionally Old: Lessons for Healthy Ageing”**

-Perminder Sachdev AM, MD, PhD, FRANZCP  
ICGP President  
Scientia Professor of Neuropsychiatry  
*CHeBA (Centre for Healthy Brain Ageing)*



UNSW Medicine, School of Psychiatry,  
University of New South Wales &  
Clinical Director, Neuropsychiatric Institute  
AUSTRALIA

Speaker 1: Perminder Sachdev, University of New South Wales, Australia  
*Why study centenarians? Findings from the centenarian studies internationally.*

Speaker 2: Ingmar Skoog, Gothenburg University, Mölndal, Sweden  
*Cognitive decline and dementia in the 10<sup>th</sup> and 11<sup>th</sup> decades of life.*

Speaker 3: Paola Sebastiani, Boston University, Boston, MA, USA  
*The genetics of exceptional longevity.*

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**10:00-10:30**

***Break***

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**10:30-12:30**

### ***Parallel Symposia I***

#### **Symposium 1: : Mapping the Mood: Brain networks in late-life depression and anxiety**

Chair: Howard Aizenstein, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Hyun Kook Lim, Catholic University of Korea & University of Pittsburgh,  
Pittsburgh, PA USA

Presenter 1: Olusola Ajilore, University of Illinois, Chicago, IL USA

*The role of network theory in aging and depression using both structural and functional MRI*

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Presenter 2: Hyun Kook Lim, Catholic University of Korea & University of Pittsburgh, Pittsburgh, PA USA *Network Analyses of cortical thickness measures in late-life depression*

Presenter 3: Carmen Andreescu, University of Pittsburgh, Pittsburgh, PA USA  
*Structural and functional networks in relation to worry across the life-span*

Presenter 4: Lihong Wang, Tsinghua University, Beijing, China  
*Use of resting state functional MRI networks in predicting progressive cognitive decline in MDD*

Discussant: Howard Aizenstein, University of Pittsburgh, Pittsburgh, PA USA

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## **Symposium 2: Psychotic Alzheimer's Disease: A Distinct Neurodegenerative Entity?**

Chair: Jeremy Koppel, Johns Hopkins University, Baltimore, MD USA

Presenter 1: Jeremy Koppel, Johns Hopkins University, Baltimore, MD USA  
*Cognitive and imaging correlates of Alzheimer's Disease with Psychosis: Findings from the Alzheimer's Disease Neuroimaging Initiative*

Presenter 2: Robert Sweet, University of Pittsburgh, Pittsburgh, PA USA  
*Genetic Discovery in Alzheimer Disease with Psychosis.*

Presenter 3: Caitlin Kirkwood, Graduate Student, University of Pittsburgh, Pittsburgh, PA USA  
*Neuropathologic Alterations Associated with Psychosis in AD- Leads to Mechanisms*

Presenter 4: Alena Savonenko, Johns Hopkins University, Baltimore, MD USA  
*Alzheimer Disease Mouse Models: Potential Relevance to Neuropsychiatric Symptoms*

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**12:30-1:45**

***Lunch***

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**1:45-3:45**

***Parallel Symposia II***

## **Symposium 1: New Directions for Amyloid Imaging in Neurodegenerative Disease**

Chair: Gwenn S. Smith, Johns Hopkins University, Baltimore, MD USA

Co-Chair: Benjamin Handen, University of Pittsburgh, Pittsburgh, PA USA

Presenter 1: Chester A. Mathis, University of Pittsburgh, Pittsburgh, PA USA  
*Recent advances in radiochemistry for imaging neuropathology in Alzheimer's Disease*

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Presenter 2: Benjamin Handen, University of Pittsburgh, Pittsburgh, PA USA  
*Amyloid imaging studies in adults with down syndrome*

Presenter 3: Nicolaas Bohnen, University of Michigan, Ann Arbor, MI USA  
*Amyloidopathy and multisystem neurodegeneration in Parkinson disease: Clinical correlates*

Presenter 4: Gwenn S. Smith, Johns Hopkins University, Baltimore, MD USA  
*Molecular imaging of monoamine degeneration associated with amyloid deposition in late life depression and mild cognitive impairment*

Discussant: John O'Brien, University of Cambridge, Cambridge, UK

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### **Symposium 2: Vascular Depression- Where are we now?**

Chair: Alan Thomas, Newcastle University, Newcastle upon Tyne, UK

Co-Chair: Joel Sneed, University of New York, New York, NY USA

Presenter 1: Alan Thomas, Newcastle University, Newcastle upon Tyne, UK  
*Vascular Depression: Refining the concept*

Presenter 2: Akshya Vasudev, Western University, London, ON, Canada  
*Autonomic dysfunction and late-life depression*

Presenter 3: Joel Sneed, City University of New York, New York, NY USA  
*Vascular depression in black and white*

Presenter 4: George Alexopoulos, Cornell University, White Plains, NY USA  
*Cognitive Control Network Function in Late-Life Depression*

Discussant: George Alexopoulos, Cornell University, White Plains, NY USA

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3:45-4:45

### ***Awards Ceremony***

Senior Investigator Award and Lecture

Jr. Investigator Award Presentation

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5:00-7:00

### ***Poster Session and Reception***

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## **Friday, November 1**

**8:15-9:45**

Symposium: ICGP Junior Investigator's Panel - New research on Alzheimer's disease, schizophrenia and depression

Chair: Simone Reppermund, University of New South Wales-Randwick , Sydney, Australia

Co-Chair: Nady Braidy, University of New South Wales, Sydney, Australia

Presenter 1: Nady Braidy, University of New South Wales, Sydney, Australia

*Experimental models for Alzheimer's disease: What have we learned?*

Presenter 2: Tarek Rajji, University of Toronto, ON, Canada

*Assessing Neuroplasticity in the Dorsolateral Prefrontal Cortex in Schizophrenia*

Presenter 3: Olu Ajilore, University of Illinois at Chicago, Chicago, IL USA

*Structural and Functional Brain Connectivity in Late-Life Depression*

Discussant 1: Perminder Sachdev, University of New South Wales, Neuropsychiatric Institute, Randwick, NSW Australia

Discussant 2: John O'Brien, University of Cambridge, Cambridge, UK

*Possible future career pathways/opportunities for young researchers in the area of geriatric psychoneuropharmacology*

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**9:45-10:00**

***Break***

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**10:00-12:30**

Symposium: Risk Factors for Cognitive Decline in Older Adults: a Population Perspective

Chair: Mary Ganguli, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Hugh Hendrie, Indiana University, Indianapolis, IN USA

Presenter 1: Hugh Hendrie, Indiana University, Indianapolis, IN USA

*Hypertension: Cognitive Decline and Optimal Cognitive Performance. An International Perspective*

Presenter 2: David Bennett, Rush Alzheimer Disease Center, Chicago, IL USA

*Biologic Indices Linking Risk Factors to Cognitive Decline*

Presenter 3: Constantine Lyketsos, Johns Hopkins University, Baltimore, MD USA  
*Modifiable Factors Affecting Dementia Progression*

Presenter 4: Rosebud Roberts, Mayo Clinic, Rochester, MN USA  
*Impact of Lifestyle and Modifiable Risk factors on Alzheimer's disease Biomarkers in a Non-demented Cohort.*

Presenter 5: Ingmar Skoog, Gothenburg University, Mölndal, Sweden  
*The Changing Profile of Old Age and its Relevance for Dementia and Mild Cognitive Impairment*

Presenter 6: Mary Ganguli, University of Pittsburgh, Pittsburgh, PA USA  
*Vascular and Inflammatory Predictors of Cognitive Decline*

Discussant: Perminder Sachdev, University of New South Wales, Neuropsychiatric Institute, Randwick, NSW Australia

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**12:30-1:30**

***Lunch***

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**1:30-1:45**

***ICGP Business Meeting***

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**1:45-3:45**

***Parallel Symposia I***

**Symposium 1: Geriatric Bipolar Disorder: Advances in Treatment, Conceptualization, and Research Methodology**

Chair: Ariel Gildengers, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Robert C. Young, Weill Medical College, Cornell University, White Plains, NY USA

Presenter 1: Tarek Rajji, University of Toronto, ON, Canada

*The Role of Mitochondrial Dysfunction and Oxidative Stress in Older Adults with Bipolar Disorder*

Presenter 2: Brent Forester, Harvard Medical School, Belmont, MA USA

*Novel Agents for Treatment of Geriatric Bipolar Disorder*

Presenter 3: Martha Sajatovic, Case-Western Reserve University, Cleveland, OH USA

*The Impact of Medical Comorbidity on Treatment Outcome and Everyday Function in Older Adults with Bipolar Disorder*

Presenter 4: John L. Beyer, Duke University, Durham, NC USA

*Acute Pharmacotherapy of Late-Life Mania (GERI-BD) – Main Findings and Secondary Analyses*

Discussant: Laszlo Gyulai, University of Pennsylvania, Philadelphia, PA USA

*The discussion period will summarize and integrate the findings presented and place them in context with recent advances in BD. Directions for future research will be discussed.*

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**Symposium 2: Neuropsychiatric symptoms in neurodegenerative diseases including Mild Cognitive Impairment, dementia and Parkinson's Disease: Where are we now and what are the future prospects?**

Chair: Pauline Aalten, Maastricht University, NL

Co-Chair: Jeannie-Marie Leoutsakos, Johns Hopkins University, Baltimore, MD USA

Presenter 1: Pauline Aalten, Maastricht University, NL

*Neuropsychiatric Symptoms in the Dutch Pearl Neurodegenerative diseases*

Presenter 2: Inez Remakers, Maastricht University, NL

*Neuropsychiatric Symptoms in Mild Cognitive Impairment in the European DESCRIPA study*

Presenter 3: Jeannie-Marie Leoutsakos, Johns Hopkins University, Baltimore, MD USA

*Neuropsychiatric Symptoms in dementia in the Cache County Study and the Dementia Progression Study*

Presenter 4: Greg Pontone, Johns Hopkins University, Baltimore, MD USA

*NPS in Parkinson's disease*

Discussant: Robert Sweet, University of Pittsburgh, Pittsburgh, PA USA

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**3:45-4:00**

***Break***

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**4:00-6:00**

***Parallel Symposia II***

**Symposium 1: Advancing treatment options for late-life psychiatric syndromes: Novel molecules, target engagement, and the tools of modern clinical neuroscience**

Chair: Jordan F. Karp, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Daniel Blumberger, Centre for Addictions & Mental Health, Toronto, Canada

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Presenter 1: Jordan F. Karp, University of Pittsburgh, Pittsburgh, PA USA

*It's All Greek to Me: Understanding the Role of Kappa and Mu Opiate Receptors in Late-Life Depression and Novel Molecular Approaches to Its Treatment.*

Presenter 2: Eric J. Lenze, Washington University, St. Louis, MO USA

*Rescuing Cognitive Dysfunction in Late-Life Anxiety Disorders using mifepristone: A novel treatment development application of the glucocorticoid excess theory of stress and aging.*

Presenter 3: Daniel Blumberger, Centre for Addictions & Mental Health, Toronto, Canada

*TMS Neurophysiology in Late-Life Depression: Preliminary Findings and Future Directions*

Discussant: David Steffens, University of Connecticut, Storrs, CT USA

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## **Symposium 2: Depression and Cognitive Decline in Later Life: New findings and future prospects**

Chair: Sebastian Köhler, Maastricht University, Maastricht, NL

Co-Chair: Hannie Comijs, Vrije Universiteit Amsterdam, NL

Presenter 1: Hannie Comijs, Vrije Universiteit Amsterdam, NL

*Depression, HPA-axis and Cognitive Decline in Older Adults*

Presenter 2: Guy Potter, Duke University, Durham, NC, USA

*MRI, White Matter Pathology and Cognitive Function in Late-Life Depression and Normal Aging*

Presenter 3: Sebastian Köhler, Maastricht University, Maastricht, NL

*Depression and risk for dementia in a primary care setting*

Presenter 4: Breno Satler Diniz, Federal University of Minas Gerais, Horizonte, Brazil

*Depression and the risk of Alzheimer's disease and vascular dementia*

Discussant: John O'Brien, University of Cambridge, Cambridge, UK

*Depression and Cognition: What are the potential links?*



## ***Saturday, November 2***

**8:15-10:15**

Symposium: Biological aging of the brain in health and psychiatric disorders

Chair: Etienne Sibille, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Ruth O'Hara, Stanford University, Stanford, CA USA

Presenter 1: Etienne Sibille, University of Pittsburgh, Pittsburgh, PA USA

*Age-by-disease interactions in the human brain: evidence in depression, model and genetic modulation.*

Presenter 2: Ruth O'Hara, Stanford University, Stanford, CA USA

*Age-by-disease Interactions in the human brain: Evidence from Sleep Apnea and Insulin resistance.*

Presenter 3: Kirk Erikson, University of Pittsburgh, Pittsburgh, PA USA

*Age-by-disease Interactions in the Human Brain: Aging, exercise, and brain plasticity.*

Presenter 4: Caterina Rosano, University of Pittsburgh, Pittsburgh, PA USA

*Age-by-disease Interactions in the Human Brain: Resilience to brain aging*

Discussant: Ingmar Skoog, Gothenburg University, Mölndal,, Sweden

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**10:15-10:30**

***Break***

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**10:30-12:30**

***Parallel Symposia***

Symposium 1: How can neurobiology inform prognosis and therapeutics for late-life mood and anxiety disorders?

Chair: Francis Lotrich, University of Pittsburgh, Pittsburgh, PA USA

Co-Chair: Breno Satler Diniz, Federal University of Minas Gerais, Horizonte, Brazil

Presenter 1: Eric J. Lenze, Washington University, St. Louis, MO USA

*Pharmacogenetics of geriatric mood and anxiety disorders: time to focus on risk reduction*

Presenter 2: Breno Satler Diniz, Federal University of Minas Gerais, Horizonte, Brazil

*Late-life depression, brain-derived neurotrophic factor, and cognitive decline: evidence for accelerated brain aging?*

Presenter 3: Ariel Gildengers, University of Pittsburgh, Pittsburgh, PA USA  
*Late-life Bipolar Disorder and Neuroprogression*

Discussant: Etienne Sibille, University of Pittsburgh, Pittsburgh, PA USA

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Symposium 2: Decision Processes and Suicidal Behavior in Old Age  
Chair: Katalin Szanto, University of Pittsburgh, Pittsburgh, PA USA  
Co-Chair: Fabrice Jollant, McGill University, Montreal, Quebec, Canada

Presenter 1: Fabrice Jollant, McGill University, Montreal, Quebec, Canada  
*Disadvantageous decision-making in suicidal behavior: Understanding now, preventing tomorrow?*

Presenter 2: Katalin Szanto, University of Pittsburgh, Pittsburgh, PA USA  
*Pathways to suicidal behavior in late-life. Cognitive control deficits and social decision-making*

Presenter 3: Polina Vanyukov, University of Pittsburgh, Pittsburgh, PA USA  
*New approaches to studying decision making in suicidal behavior*

Presenter 4: Alexandre Y. Dombrovski, University of Pittsburgh, Pittsburgh, PA USA  
*Re-defining impulsivity in late-life suicidal behavior: studies of decision processes*

Discussant: Katalin Szanto and Fabrice Jollant

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**12:30**

***Adjournment***

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