

## CURRICULUM VITAE

### **Jared William Young Ph.D. BSc (Hons)**

**Home address:** 3606 1<sup>st</sup> Avenue, #203, San Diego, CA, 92103, U.S.A.

**Place of Birth:** Ayr, Ayrshire, Scotland, UK., 04/27/1979

#### **CURRENT EMPLOYMENT**

- 2011 – Present: Assistant Professor, Department of Psychiatry, University of California, San Diego

#### **PREVIOUS EMPLOYMENT**

- 2009 – 2011: Assistant Project Scientist Step IV, Department of Psychiatry, University of California, San Diego in the laboratory of Dr. Mark A. Geyer
- 2006 – 2009: Post Doctoral Fellow, Department of Psychiatry, University of California, San Diego with Dr. Mark A. Geyer and Dr. Dilip V. Jeste
- 2005 – 2006: Scientist, Organon Laboratories, Department of Neurobiology, with Dr. Hugh Marston

#### **EDUCATION**

- 2001 – 2005: Ph.D. in Psychopharmacology, Department of Neuroscience, University of Edinburgh,  
Thesis Title: *Nicotine-induced improvement in cognition: a role for the alpha 7 nicotinic acetylcholine receptor?*
- 1997 - 2001: BSc in Psychology with Biology, University of Paisley.  
Degree awarded with Honours.

#### **PUBLICATIONS**

- 1) Soontornniyomkij, V, Risbrough VB, **Young, JW**, Soontornniyomkij, B, Jeste, DV and Achim, C (in press). Hippocampal calbinin-1 immunoreactivity correlate of recognition memory performance in aged mice. *Neuroscience Letters*, Epub ahead of print
- 2) Harms, LR, Turner, KM, Eyles, DW, **Young, JW**, McGrath, JJ, and Burne, THJ (in press) Attentional processing in C57BL/6J mice exposed to developmental vitamin D deficiency, *PLoS One*, accepted 23.3.2012
- 3) Dudchenko, PA, Talpos, J, **Young JW**, Baxter, MG (in press). Animal models of working memory: a review of tasks that might be useful in screening drug treatments for the memory impairments found in schizophrenia. *Neuroscience Biobehavioral Reviews*: Epub ahead of print.
- 4) Brigman, JL, Powell, EM, Mittleman, G, and **Young, JW** (2012). Examining the genetic and neural components of cognitive flexibility using mice. *Physiology and Behavior*: Epub ahead of print: **Corresponding author**

- 5) Minassian, A, Henry, BL, **Young, JW**, Masten, V, Geyer, MA, and Perry, W (2011). Repeated assessment of exploration and novelty seeking in the human Behavioral Pattern Monitor in bipolar disorder patients and healthy individuals. *PLoS ONE*. 6(8):e24185
- 6) Tanaka, S, **Young, JW**, Gresack, JE, Geyer, MA, and Risbrough, VB (in press Behavioral and Brain Functions). Factor analysis of attentional set-shifting performance in young and aged mice. doi:10.1186/1744-9081-7-33
- 7) **Young, JW**, Powell, SB, Geyer, MA (2011). Mouse pharmacological models of cognitive disruption relevant to schizophrenia. *Neuropharmacology*, 62(3): 1381-90: **Corresponding author**
- 8) Barnes, S, **Young, JW**, and Neil, JC (2011). D1 receptor activation improves vigilance in rats as measured by the 5-choice continuous performance test. *Psychopharmacology*, Epub ahead of print
- 9) **Young, JW**, Meves, J, Tarantino, IS, Caldwell, S, Geyer, MA. (2011). Delayed procedural learning in alpha 7 nicotinic acetylcholine receptor knockout mice. *Genes, Brain and Behaviour*. 10(7): 720-33. doi: 10.1111/j.1601-183X.2011.00711.x **Corresponding author**
- 10) **Young, JW.**, Powell, SB, Scott, CN, Zhou, X, Geyer MA (2011). Reduced Dopamine D4 receptor expression as a mouse model of ADHD: Evidence of impaired vigilance in the 5-choice continuous performance test. *Behavioral Brain Research*. 222(1): 183-192. **Corresponding author**
- 11) Barnes, S., **Young, JW.**, Neil, JC., (2011). 14-day post washout subchronic phencyclidine treatment impairs performance in the 5-choice continuous performance test in rats following an increase in attentional load. *Neuropharmacology*. Epub ahead of print
- 12) Soontornniyomkij, V, Risbrough VB, **Young, JW**, Soontornniyomkij, B, Jeste, DV and Achim, C (2011). Increased hippocampal accumulation of autophagosomes predicts short-term recognition memory impairment in aged mice. *Age*, Epub ahead of print
- 13) **Young, JW.**, Kooistra, K., and Geyer, MA., (2011). Dopamine receptor mediation of the exploratory/hyperactivity effects of modafinil: *Neuropsychopharmacology*. 36(7): 1385-1396. NIHMS268955: **Corresponding author**
- 14) **Young, JW**, Henry, BL, Geyer, MA (2011). Predictive validity of animal models of mania: Hits, misses, and future directions: *British Journal of Pharmacology*, doi: 10.1111/j.1476-5381.2011.01318.x **Corresponding author**
- 15) Tarantino, IS, Sharp, RF, Geyer, MA, Meves, JM, and **Young, JW** (2011). Working memory span capacity improved by a D2 but not a D1 family agonist. *Brain & Behavioural Research*. 219(2): 181-188. PMID: PMC3073724: **Senior & corresponding author**
- 16) Henry, BL, Minassian, A, van Rhenen, M, **Young, JW**, Geyer, MA, and Perry, W (2011). Effect of methamphetamine dependence on inhibitory deficits in a novel human open field paradigm. *Psychopharmacology*, 215(4): 697-707.

- 17) **Young, JW**, van Enkhuizen, JE, Winstanley, C, and Geyer, MA (2011). Increased gambling behaviour in a mouse model of mania. *Journal of Psychopharmacology*. 25(7): 934-43 **Corresponding author**
- 18) Ali, SS, Risbrough, V, **Young, JW**, Wallace, CK, Gresack, J, Jeste, DV, Geyer, MA, Dugan, LL. (Accepted in Brain Research). Synaptic superoxide production is associated with poor short-term memory in aged mice.
- 19) Minassian, A, and **Young, JW**. (2010). Asenapine: A review of its clinical efficacy. *Expert Opinion on Pharmacotherapy*. 11(12): 2107-2105: **Senior and corresponding author**
- 20) Henry, BL, Minassian, A, **Young, JW**, Paulus, MP, Geyer, MA, Perry, W. (2010). Cross-species assessments of motor and exploratory behavior related to Bipolar Disorder. *Neuroscience Biobehavioral Reviews*. 34(8): 1296-1306.
- 21) Perry, W, Minassian, A, Henry, BL, Kincaid, M, **Young, JW**, Geyer, MA (2010). Quantifying over-activity in bipolar and schizophrenia patients in a human open field paradigm. *Psychiatry Research*. 178(1): 84-91.
- 22) Soontornniyomkij, V, Risbrough VB, **Young, JW**, Wallace, CK, Soontornniyomkij, B, Jeste, DV and Achim, C (2010). Short-term recognition memory impairment is associated with decreased expression of FK506 binding protein 51 in the aged brain. *Age*. 32(3): 309-322.
- 23) **Young, JW.**, Goey, AKL., Minassian, A., Perry, W., Paulus, MP., and Geyer, MA., (2010). The mania-like exploratory profile in genetic dopamine transporter mouse models is diminished in a familiar environment and reinstated by subthreshold psychostimulant administration. *Pharmacology, Biochemistry, & Behavior*. 96(1): 7-15.
- 24) **Young, JW.**, and Geyer, MA., (2010). Action of modafinil – increased motivation via dopamine transporter inhibition and D1 receptors? *Biological Psychiatry*. 67(8): 784-787: **Corresponding author**
- 25) **Young, JW.**, Wallace, CK., Geyer, MA., and Risbrough, VB., (2010). Age-associated improvements in cross-modal prepulse inhibition in mice. *Behavioral Neuroscience*. 124(1): 133-140.
- 26) **Young, JW.**, Goey, AKL., Minassian, A., Perry, W., Paulus, MP., and Geyer, MA., (2010). GBR 12909 administration as a mouse model of Bipolar Disorder mania: Mimicking quantitative assessment of manic behavior. *Psychopharmacology*. 208(3): 443-454. DOI 10.1007/s00213-009-1744-8
- 27) **Young, JW.**, Powell, SB., Geyer, MA., Jeste, DV., and Risbrough, V., (2010). Mice performing the attentional set-shifting task: Evidence of successful cognitive aging? *Cognitive and Affective Behavioral Neuroscience*. 10(2): 243-251. NIHMSID153735
- 28) Marston, HM., **Young, JW.**, Martin, FDC., Serpa, KA., Moore, CL., Wong, EHF., Gold, L., Meltzer, LT., Azar, MR., Geyer, MA., Shahid, M., (2009). Asenapine effects in Animal models of Psychosis and Cognitive Function. *Psychopharmacology*, 206(4): 699-714 PMID: PMC2755103

- 29) Minassian, A., Henry, BL., Geyer, MA., Paulus, MP., **Young, JW.**, Perry, W., (2010). The quantitative assessment of motor activity in mania and schizophrenia. *Journal of Affective Disorders*. 120(1-3): 200-206
- 30) **Young, JW.**, Risbrough, V., Powell, Marston, HM., and Geyer, MA., (2009) A pre-clinical test battery analogue for the MATRICS test battery. *Pharmacology & Therapeutics*. 122(2):150-202.
- 31) **Young, JW.**, (2009). Dopamine D<sub>1</sub> and D<sub>2</sub> receptor family contributions to modafinil-induced wakefulness. *Journal of Neuroscience*. 29(9): 2663-2665:  
**Corresponding author**
- 32) Perry, W., Minassian, A., Paulus, MP., **Young, JW.**, Kincaid, MJ., Ferguson, E., Henry, BL., Masten, V., Sharp, RF., and Geyer, MA., (2009). From Mice to Men: Neurobiology of dysfunctional exploration in psychiatric disorders. *Archives of General Psychiatry*. 66(10): 1072-1080. NIHMSID98590
- 33) **Young, JW.**, Light, GA., Sharp, R., and Geyer, MA., (2009). Development of the rodent continuous performance test: Implications for drug discovery. *PLoS ONE* 4(1): e4227. doi:10.1371/journal.pone.0004227: **Corresponding author**
- 34) Powell SB, **Young JW**, Ong JC, Caron MG, Geyer MA. The Atypical antipsychotics clozapine and quetiapine attenuate prepulse inhibition deficits in dopamine transporter knockout mice. *Behavioral Pharmacology*, 19(5-6). 562-565.
- 35) **Young, JW.**, Sharkey, J., and Finlayson, K., (2009). Progressive impairment in olfactory working memory in a mouse model of Mild Cognitive Impairment. *Neurobiology of Aging*. 30(9):1430-43
- 36) **Young, JW.**, Minassian, A., Geyer, MA., Paulus, MP., and Perry, W., (2007) Human Behavioral Pattern Monitor – A reverse translational approach to Bipolar Disorder. *Neuroscience Biobehavioral Reviews*. 31: 882-896
- 37) **Young, JW.**, Spratt, C., Kerr, L., Kelly, JS., Marston, HM., Spratt, C., Finlayson, K., and Sharkey, J., (2007). The odour span task: A novel paradigm for assessing working memory in mice. *Neuropharmacology*. 52: 634-645.
- 38) **Young, JW.**, Spratt, C., Marston, HM., Crawford, N., Finlayson, K., and Sharkey, J., (2007). Impaired attention is central to the cognitive deficits observed in alpha 7 deficient mice. *European Neuropsychopharmacology*. 17, 145-155.  
Received ‘Top 10 cited paper 2006-2008 award for European Neuropsychopharmacology’
- 39) **Young, JW.**, Finlayson, K., Spratt, C., Marston, HM., Crawford, N., Kelly, JS., and Sharkey, J., (2004). Nicotine improves sustained attention in mice: Evidence for the involvement of the alpha 7 nicotinic acetylcholine receptor. *Neuropsychopharmacology*, 29: 891-900.

## OTHER PUBLICATIONS

- 1) **Young, JW.**, and Geyer, MA., (2011). Using behavioral patterns across species in mood disorder research. Gould, T., (ed) Mood and anxiety related phenotypes.

- 2) **Young, JW.**, and Risbrough, V., (2009). Animal Models of Successful Aging. Depp, C., and Jeste DV., (eds). Handbook Successful Cognitive and Emotional Aging. American Psychiatric Publishing Inc.
- 3) **Young, JW.**, and Geyer, MA., (2011). Animal Models of Bipolar Disorder. Koob, G., Thompson, RF., and Le Moal, M., Encyclopedia of Behavioral Neuroscience. Elsevier.
- 4) **Young JW**, Zhou X, Geyer MA (2010) Animal models of schizophrenia. In: Swerdlow N (ed) Behavioral Neurobiology of Schizophrenia and Its Treatment. Current Topics in Behavioral Neuroscience. Springer, Heidelberg
- 5) **Young, JW.**, Geyer, MA., and the TURNS preclinical committee (2007) Report on putative preclinical models of the MATRICS battery  
<http://www.turns.ucla.edu/preclinical-TURNS-report-2006b.pdf>

#### **GRANTS AND FELLOWSHIPS (current in bold)**

- Principal Investigator NIH R21, MH00419737, "The rodent continuous performance task: Filling the vigilance translational gap": 07/01/2009-06/30/2011
- **Principal Investigator NIH R21 GRANT2010-0843, "Visuospatial priming (VSP) in rats: Development of an animal model for Tourette Syndrome": 07/01/10 – 06/30/12**
- **Co-Investigator, NIH R01 MH071916-06, (Geyer MA, Perry W PIs), "Inhibitory deficits in human and animal models of bipolar disorder"**
- **Co-Investigator, NIH R01 MH2010-0975, (Zhou, X PI), "Sp4 pathway in the modulation of sensorimotor gating and memory"**
- **Principal Investigator Chakra Biotech: "Behavioral phenotyping of *chagragati* mice" 05/01/2010-04/30/2012.**
- **Principal Investigator Lundbeck Ltd: "Assessing the effects of asenapine on rodent models of mania" 01/01/2012 – 12/31/14**
- Principal Investigator NARSAD Young Investigator Award "Improving mouse sustained attention via stimulation of  $\alpha 7$  nicotinic acetylcholine receptors" 07/01/2008 - 06/30/2010
- Principal Investigator of Mental Illness Research, Education and Clinical Center Pala Award "Investigating executive functioning in mice: nicotine and  $\alpha 7$  nicotinic acetylcholine receptor modulation in a Wisconsin Card Sorting Task analog" 04/01/2008 - 03/31/2009
- Recipient of Post-Doctoral Fellowship from the Stein Institute for Research on Aging, 07/01/2007-06/30/2009
- Principal Investigator of Mental Illness Research, Education and Clinical Center **Pala Grant Award**, "Cognitive enhancement through stimulation of the  $\alpha 7$  nicotinic acetylcholine receptor" 04/01/2007 - 03/31/2008

#### **PENDING**

- Principal Investigator, NIH 1R01MH096775-01 "Nicotinic receptor subtypes involved in reward-related learning".

### **INVITED SYMPOSIA TALKS**

- 1) ACNP, December 2011 “Modelling negative symptoms of schizophrenia in rodents”; hosted by Professor Stephen Marder.
- 2) ACNP, December 2011 “Dopamine transporter knockdown mice exhibit within-session risk learning deficits in a mouse Iowa Gambling Task consistent with Bipolar mania patients”; hosted by Professor William Carlezon.
- 3) CNTRICS, April, 2011 “Species differences in cognitive testing”; hosted by Drs. Holly Moore and Cameron Carter.
- 4) IBNS, June, 2011 “Delayed ‘eureka’ of alpha 7 nicotinic acetylcholine receptor knockout mice; hosted by Dr. Jonathon Brigman.
- 5) ICOSR, cognitive satellite, April, 2011, “Impaired vigilance of patients with schizophrenia in a human/rodent 5-choice continuous performance test (5C-CPT)”, hosted by Professor Phillip Harvey.
- 6) BAP, July, 2010 “Exploration broadens one’s horizons: Insights from the cross-species test the Behavioral Pattern Monitor”; hosted by Professor Nicol Ferrier
- 7) BAP, July, 2010 “The  $\alpha 7$  nicotinic acetylcholine receptor agonist PNU 282987 does not improve vigilance in mice as assessed in the 5C-CPT: Contrasts with nicotine”; hosted by Professor Jorgen Scheel-Kruger
- 8) CNTRICS, April, 2010 “Genetic models of psychiatric disorders”; hosted by Dr. Deanna Barch.
- 9) TPGEN, March, 2010 “Reduced D4 expression in mice produce a vigilance deficit consistent with ADHD patients, as assayed in the 5C-CPT”; hosted by Dr. Hugh Marston.
- 10) ACNP, December, 2009 “Cross-species translational research in vigilance; the 5C-CPT”; hosted Dr. David Feifel.
- 11) MIRECC, September, 2009 “Developing tasks with cross-species translation validity to investigate neuropsychiatric disorders”; hosted Dr. Steven Marder.
- 12) EBPS, September, 2009 “Assaying vigilance in mice; the 5-choice continuous performance test”; hosted Dr. Theodora Duka.
- 13) IBNS, June, 2009 “Measuring impulsivity; separating response inhibition and motor impulsivity”; hosted Dr. Sylvie Granon.
- 14) SOBP, May, 2009 “Approaches to translation between human and animal studies of bipolar disorder and its treatment”; hosted Dr. Thomas Gould.
- 15) ICOSR, March, 2009 “Preclinical assessment of vigilance in rats and mice: Translational validity for the continuous performance test”; hosted Dr. Mark A. Geyer.
- 16) IBNS, June, 2008 “The mouse 5-choice Continuous Performance Test of attention/vigilance”; hosted by myself.
- 17) IBNS, June, 2008 “Assessing attention/vigilance in mice, the 5C-CPT”; hosted by Dr. Victoria Risbrough.
- 18) Psychiatry Faculty Symposium, April, 2008 “The rodent continuous performance test: Filling the vigilance translational gap”; hosted by Assistant Professor Gregory A. Light.

- 19) MIRECC, October, 2007 “The rodent continuous performance task: designing a rodent analogue of a human task”; hosted by Professor David Braff.
- 20) Drug Discovery, September, 2007 “Validation in animal models of cognition”; hosted by Dr. Rudy Schreiber.
- 21) IBNS, June, 2007 “Hypersensitivity of Dopamine Transporter Knockdown mice to the effects of the Dopamine Transport Inhibitor GBR 12909”; hosted by Professor Francisco Guimares.
- 22) BAP, July 2006 “Cognitive Enhancement with antipsychotic treatment: A pipedream?”; chaired by Professor Jo Neill.
- 23) 2<sup>nd</sup> UK Nicotinic Receptor Club Meeting, London, May 2005 “Nicotine reverses the working memory deficit observed in mice over-expressing human caspase-3”; chaired by Dr. James Kew.

### **AWARDS**

- Travel Award from the Schizophrenia International Research Society, 2012.
- Preclinical Psychopharmacologist of the Year Award from the British Association for Psychopharmacology, 2010.
- Travel Award from the American College of Neuropsychopharmacologists December, 2009.
- Outstanding poster presentation in preclinical psychopharmacology from the British Association of Psychopharmacology, July, 2008.
- ‘Top 10 cited paper 2006-2008 award for European Neuropsychopharmacology’ for “Impaired attention is central to the cognitive deficits observed in alpha 7 deficient mice”.
- Travel Award from the British Association of Psychopharmacology, July, 2008.
- Travel Award from the International Behavioral Neuroscience Society June, 2008.
- Travel Fellowship Award from the Society of Biological Psychiatry, May, 2008
- Travel Award from the European Behavioral Pharmacological Society, Sept 2007
- ‘Best oral presentation award’ at the 2<sup>nd</sup> UK Nicotinic Receptor Club Meeting, London, May 2005 “Nicotine reverses the working memory deficit observed in mice over-expressing human caspase-3.”
- Travel Awards from the British Association of Psychopharmacology, 2003/2004.
- Grindley Grant Award from the Experimental Psychology Society to attend Society for Neuroscience conference, October, 2004.
- Travel Award from BRAIN to attend Society for Neuroscience conference, October, 2004.

### **INVITED LECTURES**

- 1) The Scripps Research Institute, La Jolla, June 2011, “Assessing vigilance across species using the continuous performance test: From mice and rats to humans”; hosted by Professor Larry Parsons.
- 2) Department of Psychiatry, VA Los Angeles, December 2010, “Assaying behaviour in rodents”; hosted by Professor William Horan.

- 3) Department of Psychiatry, UCSD, October 2010, “Manic mice, how can you tell?”; hosted by Professor David Welsch.
- 4) NARSAD “Healthy minds across America: Town and Gown”, San Diego, May 2010; hosted by Professor Ming Tsuang, and Dr. Gregory Light.
- 5) Stein Institute for Research on Aging, University of California, San Diego, December, 2007 “Modelling successful cognitive aging in animals”; hosted by Professor Dilip Jeste.
- 6) Division of Physiology and Pharmacology, University of Strathclyde May, 2007 “Forward and reverse translational models: animals in the MATRICS, humans in the open field”; hosted by Professor Judith Pratt.
- 7) School of Life Sciences, University of Bradford, May 2007 “Human Behavioral Pattern Monitor – A reverse translational approach to Bipolar disorder”; hosted by Jo Neill.
- 8) Department of Psychiatry, University of California San Diego, August 2006 “The 5-choice serial reaction-time task; testing rodents”; hosted by Professor Athina Markou.
- 9) Department of Neuroscience, University of California Los Angeles, May 2006 “Effects of manipulating nicotinic acetylcholine receptors on mouse cognition”; hosted by Professor J David Jentsch.
- 10) Centre for Neuroscience, University of Edinburgh, February 2006 “Use of the MATRICS as a translational tool: Animal modelling of cognition”; hosted by Prof. Richard G Morris.
- 11) Division of Physiology and Pharmacology, University of Strathclyde September, 2005 “Cognitive effects of genetic and pharmacological manipulation of the alpha 7 nicotinic acetylcholine receptor”; hosted by Professor Judith Pratt.
- 12) Janssen and Janssen in Antwerp, August 2005 “Investigating the contribution of nicotinic acetylcholine receptors to cognition utilising both pharmacological and genetic manipulations”; hosted by Dr. Thomas Steckler.
- 13) Department of Psychiatry, GlaxoSmithkline in Harlow, June 2005, “The investigation of nicotinic acetylcholine receptors in cognition: Utilising both pharmacological and genetic manipulations”; hosted by Dr. Darrell Pemberton.

## **TEACHING EXPERIENCE**

Teaching Assistant in 3<sup>rd</sup> year undergraduate Brain and Behaviour course in Department of Neuroscience, University of Edinburgh.

Lectured for Neuropsychopharmacology course (NEU277) at UCSD for MD/PhD students, on “Animal Models of Behavior” and “The search for cognition enhancers”, Spring Quarter, 2010.

Taught the 2009 Neurosciences Bootcamp program in which 1<sup>st</sup> year graduate students underwent two weeks of intensive research training.

Postgraduate Ph.D. Supervisor for:

- Jordy van Enkhuizen, UCSD/University of Utrecht, 3/2011-present

Doctoral Thesis Committee member:



- Mathew Schalles, Department of Cognitive Sciences, UCSD, 11/2011-present

Research advisor for the following students in the lab of Dr. Mark Geyer:

- Andrew K.L. Goey, Postgraduate Student in Pharmacy, University of Utrecht, 8/2006-3/2007
- Elizabeth A. West, Postgraduate Student in Georgetown University, 6/2007-8/2007.
- Klaas Koistra, Postgraduate Student in Pharmacy, University of Utrecht, 8/2007-2/2008
- Jordy van Enkhuizen, Postgraduate Student in Pharmacy, University of Utrecht, 8/2008-2/2009
- Isadore S. Tarantino, Undergraduate student, University of California, San Diego, 1/4/2010 – 6/7/2010
- Morgane Petoit, Postgraduate Student in Pharmacy, University of Utrecht, 1/4/2010-7/12/2010

## PROFESSIONAL ACTIVITIES

- Member of the Treatment Units for Research on Neurocognition and Schizophrenia preclinical subcommittee (2006-present).
- **Editorial Review Boards** for *Frontiers in Psychopharmacology* (2009-present), *Neuropharmacology* (2011-present), and *World Journal of Psychiatry* (2011-present).
- **Journal Reviewer** for the following journals *Behavioral Brain Research* (2009); *Behavioral Pharmacology* (2008); *Behavioral Neuroscience* (2010); *Biological Psychiatry* (2008); *British Journal of Pharmacology* (2008); *Chemical Senses* (2007); *Cognitive, Affective and Behavioral Neuroscience* (2008); *Current Opinion in Investigational Drugs* (2007); *European Journal of Neuroscience* (2007); *European Journal of Pharmacology* (2008); *International Journal of Developmental Neuroscience* (2011); *International Journal of Neuropsychopharmacology* (2008); *Journal of Psychopharmacology* (2008); *Molecular and Cellular Neuroscience* (2009); *Neurochemistry International* (2009); *Neuropharmacology* (2009); *Neuropsychopharmacology* (2006); *Neuroscience* (2010); *Neuroscience Biobehavioral Reviews* (2007); *Physiology and Behavior* (2006); *Pharmacology, Biochemistry and Behavior* (2008); *Psychiatry Research* (2009); *Psychopharmacology* (2007); *Schizophrenia Bulletin* (2009).
- **Grant Reviewer** for AATRM (2010), Spain.
- 2008 - 2009: Council member for the International Behavioral Neuroscience Society
- Consultant for Pfizer Nutrition. (2008-2009)
- Council member for the International Behavioral Neuroscience Society, (2008-2009).
- Program Committee Member for the International Behavioral Neuroscience Society (2011-2012)

- Chaired a symposium at the International Behavioral Neuroscience Society, June 2011 “Examining the genetic and neural components of cognitive flexibility using mice”.
- Chaired a symposium at the International Behavioral Neuroscience Society, June 2008 “Animal modelling of cognition: With relevance to schizophrenia”.
- Co-chaired a symposium at the International Congress on Schizophrenia Research, March 2009 “Preclinical tasks applicable to the MATRICS cognitive Test Battery”.
- Grant reviewer for Medical Research Council, South Africa

#### **SOCIETY MEMBERSHIPS**

- British Association for Psychopharmacology (2003-present)
- British Neuroscience Association (2002-present)
- European Behavioral Pharmacological Society (2007-present)
- Society for Neuroscience (2006-present)
- International Behavioral Neuroscience Society (2006-present)