

DR BECKY INKSTER

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I am a highly motivated, multi-disciplinary neuroscientist experienced in molecular biology, neuroimaging, epidemiology and using online social media data to improve our understanding of mental health. I have 5 years of senior research management experience and I am very passionate about engaging with the public, the arts and humanities.

ACADEMIC QUALIFICATIONS

Oct 2002 – Dec 2006	DPhil Degree , Department of Psychiatry, University of Oxford, UK. Supervisor: Prof. Paul Harrison. Thesis title: “Investigations of gene expression in the pathogenesis of schizophrenia: experimental and post-mortem studies”
Sept 1998 – June 2002	BSc Degree (Honours) , Specialist Psychology, University of Toronto, Canada

EMPLOYMENT & AFFILIATIONS

Nov 2011 – ongoing	Wellcome Trust Strategic Award (£5.3m) Neuroscience in Psychiatry Network (NSPN; nspn.org.uk) Senior Research Manager , Department of Psychiatry, University of Cambridge, UK. Supervisors: Profs Ian Goodyer, Peter Jones, Ed Bullmore
Nov 2014 – ongoing	Wolfson College Research Associate , University of Cambridge, UK
Apr 2011 – Nov 2011	Research Manager , Department of Forensic and Neurodevelopmental Science, Institute of Psychiatry, King’s College London, UK. Supervisors: Profs. Declan Murphy, Jon Mill
Sept 2008 – Apr 2011	Neuroimaging Genetics Research Associate , Imperial College London, UK. Supervisors: Prof. Lefkos Middleton, Dr Christian Beckmann, Dr Giovanni Montana
July 2006 – Sept 2008	GlaxoSmithKline Research Associate , GSK Clinical Imaging Centre, London, UK. Supervisors: Prof. Paul Matthews, Dr Tom Nichols
Oct 2005 – July 2006	MRI Research Assistant , University of Oxford Centre for Clinical Magnetic Resonance Research, John Radcliffe Hospital, Oxford, UK. Supervisors: Prof. Peter Jezzard, Dr Clare Mackay
Sept 2000 – Aug 2002	Neurogenetics Research Assistant , Centre for Addiction and Mental Health (CAMH) University of Toronto, Canada. Supervisor: Prof. James Kennedy

FUNDING, AWARDS & MEMBERSHIPS

- **Wellcome Trust Seed Award in Humanities & Social Science Co-Investigator**. Title: “Enhancing Existing Medical Cohort Studies by Linking Social Media Behavioural Records”. Application submitted (UNS20894); ~£37K (June-Mar 2017)
- **Wellcome Trust Small Arts Award Co-Investigator**. Title: “Depths of My Mind”. Application submitted (UNS22355); ~£40K (Jul-Oct 2016)
- **Wellcome Trust Small Arts Award Co-Investigator**. Title: “Research and Development for a new aerial theatre performance collaboration between Scarabeus Aerial Theatre and the Neuroscience in Psychiatry Network (NSPN)”. Awarded & Active; ~£25K; 110529/Z/15/Z (Nov-Jan 2016)
- **Cambridgeshire & Peterborough NHS Trust (CPFT) funding** awarded (~£400) to host a Patient & Public Involvement (PPI) Young Person Mental Health Service User Advisory Group. Title: “Facebook, Ethics and Mental Health” (Feb, 2016)
- **Senior Communications Prize** awarded by the British Association of Psychopharmacology (2015)
- **Postdoc Travel Bursary** awarded by the British Association of Psychopharmacology (2015)
- **Wolfson College Research Associate**, University of Cambridge. Featured in ‘Ring True’ newsletter (2014 – ongoing)
- **Departmental Postdoc Committee Member**, Department of Psychiatry, University of Cambridge (2014–2015)
- **Lloyds Bank Social Entrepreneurs Programme** – shortlisted as first reserve (2014)
- **RCPsych Prize** (Brian Oliver Research Prize, Faculty of Learning Disability) – shortlisted (2013)
- **Wellcome Trust Value In People Award** (1.0 FTE salary; 6 months). Department of Statistics, Imperial College London. Applying multivariate statistical methods to imaging genetics data sets (Oct–Apr 2011).
- **Imaging Genetics Creativity Lab** funds awarded by Imperial College London to host an international meeting (2011)
- **Full Blue Awards**. University of Oxford Basketball Team Captain (2003-2006)

SCIENTIFIC & TECHNICAL SKILLS

Throughout my scientific career, I have attained a wide-range of hands-on experiences in neuropsychiatric genetics, molecular neuropathology, epigenetics, the human kinome, neuroimaging (structural and functional), statistical modeling of imaging genetics data sets, neuropsychopharmacology, mood disorder clinical trials, and epidemiology with a particular focus on using online social media data.

Outcomes:

- I exceeded my NSPN managerial duties by establishing myself as a scientific collaborator. I contributed to scientific protocol writing, co-authored peer-reviewed publications (Weiskopf et al., *Front. Neurosci. Brain Imaging Methods*. 2013; Whitaker et al., *PNAS*, submitted 2016), and promoted NSPN at scientific conferences.
- I am a co-investigator on the NSPN study, “Healthy Immune & Brain Adolescence; HIBA” (lead by Prof Bullmore), which profiles healthy adolescent immune systems using novel imaging techniques and advanced flow cytometry methods.
- In addition to my current full-time job, I independently manage my own research portfolio. For example, I am pioneering innovative ideas for the use of social media data in the fields of psychiatry and neuroscience. Some of my work uses a longitudinal framework to relate historical records of ‘online’ digital social networking data to ‘offline’ multiple time point measures of psychopathology and neurobiological data (e.g., using ALSPAC & ROOTS cohorts). This has led to several manuscripts submitted to high impact journals and invitations to speak at a wide range of events, which has greatly enhanced my academic networks and scientific knowledge. A further example is my continued independent academic pursuits with high impact publications (e.g., Miskowiak et al., 2015; *Biol Psychiatry*; Inkster et al., 2009; *Arch Gen Psych*) in the field of imaging genetics and neuropsychopharmacology, focusing on GSK3beta biological function, hippocampal structure, cognition and mood disorder treatment with the drug, EPO.
- I created a multi-disciplinary working environment with colleagues in statistics, neuroimaging and genetics to develop multivariate statistical genetics methods to apply to imaging data sets (Imperial College London & Wellcome Trust Value in People Award).
- I contributed to the development of advanced structural neuroimaging methodologies, which I lead on integrating with genetics data to generate novel hypotheses, publish multiple articles, and present scientific findings internationally (GSK Clinical Imaging Centre).
- I performed analyses for quantitative trait loci genetic studies of ADHD (Centre for Addiction and Mental Health)
- I have various skills using neuroscience software & IT packages: FSL, SPM, Freesurfer, PLINK, R, Matlab, RedCap, SPSS, Excel, Access etc.

PUBLIC ENGAGEMENT & COMMUNICATION SKILLS

Co-Founder of HIP HOP PSYCH (www.hiphoppsych.co.uk) (Nov 2012 – ongoing):

This social venture draws connections between mental health and hip-hop music in several ways: (i) public health campaigning to de-stigmatise mental health and educate the general public in diverse settings (e.g., lecture halls, night clubs, pubs, African Caribbean Societies, large concert halls, prisons etc.); (ii) improve recruitment of medical students into psychiatry given the declining enrolment and to improve knowledge among psychiatry trainees in areas such as psychopathology, phenomenology, drug addiction, and psychosocial models; (iii) exploring how hip-hop could be embedded into academic teaching; (iv) exploring how hip-hop could be used as a tool to refine psychotherapies.

Outcomes:

- (i) HIP HOP PSYCH’s *The Lancet Psychiatry* publication (2015) is ranked no. 1 for most Shares, Likes, Comments on the University of Cambridge Facebook Page and is ranked no. 9 for most views on the University of Cambridge website, which captured a much broader, younger audience; (ii) Interviewed by the BBC World Service, which was broadcasted to ~ 200 million listeners worldwide; (iii) Received the Senior Communications Prize awarded by the British Association of Psychopharmacology.

NSPN Public Outreach & Social Media Manager (Nov 2011 – ongoing):

Promoting NSPN through public engagement and applying for Arts awards, social media engagement, NSPN website creation, Facebook Page, study team intranet site etc.

Outcomes:

- I am a co-applicant on an awarded Wellcome Trust Small Arts Grant for an aerial theatre & NSPN collaboration called “Depths of My Mind” (promo video: <https://vimeo.com/156168511>). We obtained funds to support aerial theatre performance collaborations between Scarabeus Theatre and NSPN focusing on ways of merging the arts with NSPN scientific findings. We experimented with new methods and involved a Young Person Advisory Group to inform the production; (ii) I helped launch NSPN by working with the BBC (e.g., <http://www.bbc.co.uk/news/health-22510866>) for

the 6 o'clock news coverage, Radio 4, international radio, and liaising with film companies.

Patient & Public Involvement (PPI) for my Social Media Data Research (Nov 2015 – ongoing):

I engage with Young People Advisory Groups (especially mental health service users) to develop my research ideas that explore the use of social media data (e.g., Facebook) to better detect mental illness factors and to better intervene and use these tools to enhance personalized patient care. The views of patients have not been emphasized enough in this new field and so this is a key area. I work closely with the User and Carer R&D Manager for Cambridgeshire & Peterborough NHS Foundation Trust (CPFT) and the Participation Coordinator, Community Child & Adolescent Mental Health Services (CAMHS). We ran our first workshop to discuss the views of young service users about social media data sharing, ethics, privacy etc.

Outcomes:

- I received valuable qualitative and quantitative feedback measures from attendees, which greatly improved the quality and translation of my research ideas. This information is also being translated into a scientific paper, entitled: "Ethical issues of social media data use in research: what do mental health service users think?" (In prep, 2016).

MANAGEMENT & LEADERSHIP SKILLS

Responsible for NSPN governance, protocol development, ethics and R&D, developing standard operating procedures and study manuals, multi-site employment and management of scientific and clerical staff (~40 people), financial reporting and securing off-grant funding, insurance and contract agreements, sponsorship liaising, networking amongst multiple NHS and non-NHS organisations, establishing committee structures, attending/chairing meetings (NSPN Senior Research Manager; University of Cambridge).

Outcomes:

- I successfully used my negotiation skills and my scientific knowledge to save resources and NSPN funds while also securing additional funds for NSPN (e.g., obtaining off-grant support costs) (University of Cambridge).
- I proactively pursued management training. For example, I completed a Personal and Professional Development course to improve my ability to categorise and manage risk in more measurable ways, I established contingency strategies for staff members as they worked toward demanding deadlines, and I gained awareness about the importance of perception of progress for staff and stakeholders and communicating and building in 'small victories'. I have received excellent staff feedback about my management style (available upon request) (University of Cambridge).
- I have taken on additional non-NSPN staff & research managerial duties. For example, I manage ethics/R&D for a large cohort study called ROOTS (£1m funded by the Wellcome Trust; 2013 - ongoing). I have advised additional studies with REC/R&D, SOP design, case report form and manual creation etc. (University of Cambridge).
- I was Project Manager for all ongoing departmental neuroimaging and genetics studies, with some work involving setting up multi-centre collaborations with UCLA, USA (Institute of Psychiatry).
- I managed several large-scale neuroimaging genetics projects involving Major Depressive Disorder (collaborators: Max Planck Institute, Germany), Alzheimer's disease (collaborators: Western University, Canada and Cardiff University, Wales), and Multiple Sclerosis (collaborators in The Netherlands and Switzerland) (GSK Clinical Imaging Centre).
- I was the key operational lead of running 2 MRI scanners. I managed all neuroscience study bookings and interacted with patients, clinicians, and researchers, while also initiating several scientific collaborations (University of Oxford).

NETWORKING / INTERPERSONAL SKILLS & TEACHING

Networking/Interpersonal Skills:

Networking is one of my key strengths. I have initiated multiple collaborations in a wide range of disciplines. In brief, I have/continue to network with multiple offline longitudinal data cohort teams to explore how to leverage these existing data sets for my social media data studies (e.g., I approached and obtained ALSPAC Executive Committee approval). I networked at a Wellcome Trust event to initiate collaborations with Medical Humanities, Exeter University (Prof Mark Jackson). I approached Prof Shitij Kapur about public engagement opportunities sponsored by the Institute of Psychiatry & Maudsley NHS (HIP HOP PSYCH event). I recognized and acted on scientific connections between two of my previously independent research interests (neuropsychopharmacology and imaging genetics; Inkster et al., submitted, 2016a & 2016b, *Mol Psychiatry*). Overall, I am very effective at multi-tasking and establishing creative and sustainable 'win-win' collaborations.

Lecturing MSc courses:

Title: "Psychiatric Genetics & Epidemiology" (University of Cambridge; 2014 & 2015) and Title: 'Mental Health in Learning Disabilities' (Institute of Psychiatry; 2011). I am passionate about utilizing interactive teaching/learning tools (e.g., Turning Technologies; <http://www.turningtechnologies.co.uk>).

PUBLICATIONS

SUBMITTED / IN PREPARATION:

Inkster B, Stillwell D, Kosinski M, Jones PB. A decade into Facebook: where is psychiatry in the digital age? Submitted to *The Lancet Psychiatry*, 2016.

Inkster B, Kosinski M, Stillwell D. Why should neuroscience like Facebook and other social networks? Submitted to *Nature Neuroscience*, 2016.

Allan S, **Inkster B**. Ethical issues of social media data use in research: what do mental health service users think?" In prep for submission to *J Medical Ethics*.

Inkster B, Zai G, Lewis G, Miskowiak KW. GSK3beta: a potential mechanism underlying hippocampal changes induced by erythropoietin treatment in mood disorders. Submitted to *Molecular Psychiatry*, 2016a.

Inkster B, Simmons A, Cole J, Schoof E, Linding R, Sämann PG, Holsboer F, Matthews PM, Lewis C, McGuffin P, Nicodemus K. Replicated epistasis relates to GSK3beta, hippocampal volume and major depressive disorder. Submitted to *Molecular Psychiatry*, 2016b.

Whitaker KJ, Vértes PE, Romero-Garcia R, Váša F, Moutoussis M, Prabhu G, Weiskopf N, Callaghan MF, Wagstyl K, Rittman T, Tait R, Ooi C, Suckling J, **Inkster B**, Fonagy P, Dolan RJ, Jones PB, Goodyer IM, Bullmore ET. Adolescence is associated with transcriptionally patterned consolidation of the hubs of the human brain connectome. Submitted to *PNAS*, 2016.

Inkster B, Vounou M, Montana G, ADNI Consortium. Genetic screening of the human kinome identifies a cellular signalling network predictive of brain atrophy in Alzheimer's disease (in prep for submission to *Neurobiology of Aging*, 2016).

PUBLISHED:

Miskowiak KW, Vinberg M, Macaveanu J, Ehrenreich H, Køster N, **Inkster B**, Paulson OB, Kessing LV, Skimminge A, Siebner HR. Effects of erythropoietin on hippocampal volume and memory in mood disorders. *Biol Psychiatry*. 2015; 78(4): 270-7.

Sule A, **Inkster B**. Kendrick Lamar: street poet of mental health. *The Lancet Psychiatry*. 2015; 2(6): 496-7.

Inkster B, Sule A. Drug term trends in American hip-hop lyrics. *J Public Mental Health*. 2015; 14(3): 169-73.

Toseeb U, **Inkster B**. Online social networking sites and mental health research. *Frontiers in Psychiatry*. 2015; 6(36): 1-4.

Sule A, **Inkster B**. A hip-hop state of mind. *The Lancet Psychiatry*. 2014; 1(7): 494-495.

Weiskopf N, Suckling S, Williams G, Morgado Correia M, **Inkster B**, Tait R, Ooi C, Bullmore ET, Lutti A. Quantitative multi-parameter mapping of R1, PD*, MT and R2* at 3T: a multi-center validation. *Front. Neurosci. Brain Imaging Methods*. 2013; 7(95): 1-11.

Inkster B, Strijbis EM, Vounou M, Kappos L, Radue EW, Matthews PM, Uitdehaag BM, Barkhof F, Polman CH, Montana G, Geurts JJ. Histone deacetylase gene variants predict brain volume changes in multiple sclerosis. *Neurobiol. Aging*. 2013; 34(1): 238-247.

Strijbis EM*, **Inkster B***, Vounou M, Naegelin Y, Kappos L, Radue EW, Matthews PM, Uitdehaag BM, Barkhof F, Polman CH, Montana G, Geurts JJ. Glutamate gene polymorphisms predict brain volumes in multiple sclerosis. *Mult. Scler*. 2013; 19(3): 281-288.

Coghlan S, Horder J, **Inkster B**, Mendez MA, Murphy DG, Nutt DJ. GABA system dysfunction in autism and related disorders: from synapse to symptoms. *Neurosci. Biobehav. Rev*. 2012; 36(9): 2044-2055.

Inkster B, Rao A, Ridler K, Filippini N, Witcher B, Nichols T, Wetten S, Gibson R, Borrie M, Kertesz A, Guzman D, Loy-English I, Williams J, Saemann PG, Auer DP, Holsboer F, Tozzi F, Muglia P, Merlo-Pich E, Matthews PM. *GOLM1* genetic variation

associations with prefrontal cortex morphology and Alzheimer's disease risk. *Neurobiol Aging*. 2012; 33(3): 457-465.

Dixon L, Ridler K, Nichols T, Saemann P, Auer D, Holsboer F, Muglia P, Matthews PM, **Inkster B**. Thyroid transporter gene polymorphisms and brain structural differences in healthy controls and patients with major depressive disorder. *Psychoneuroendocrinology*. 2011; 36(6): 929-934.

Inkster B, Rao AW, Ridler K, Nichols TE, Saemann PG, Auer DP, Holsboer F, Tozzi F, Merlo-Pich E, Muglia P, Matthews PM. Structural brain changes in patients with recurrent major depressive disorder presenting with anxiety symptoms. *J Neuroimaging*. 2011; 21(4): 375-382.

Inkster B, Nichols TE, Saemann PG, Auer DP, Holsboer F, Muglia P, Matthews PM. Pathway-based approaches to imaging genetics association studies: wnt signaling, GSK3beta substrates and major depression. *Neuroimage: Special Issue on Imaging Genetics*. 2010; 53(3): 908-917.

Miskowiak KW, Favaron E, Hafizi S, **Inkster B**, Goodwin GM, Cowen PJ, Harmer CJ. Erythropoietin modulates neural and cognitive processing of emotional information in biomarker models of antidepressant drug action in depressed patients. *Psychopharmacology*. 2010; 210(3): 419-428.

Inkster B, Nichols T, Saemann P, Auer D, Holsboer F, Muglia P, Matthews P. Association of GSK3B polymorphisms with brain structural changes in major depressive disorder. *Arch Gen Psychiatry*. 2009; 66(7): 721-728.

Miskowiak K, Favaron E, Hafizi S, **Inkster B**, Goodwin G, Cowen P, Harmer C. Effects of erythropoietin on emotional processing biases in patients with major depression: an exploratory fMRI study. *Psychopharmacology* 2009; 207(1): 133-142.

Mannie Z, Norbury R, Murphy SE, **Inkster B**, Harmer CJ, Cowen PJ. Affective modulation of anterior cingulate cortex in young people at increased familial risk of depression. *Br J Psychiatry*. 2008; 192(5): 356-361.

Miskowiak K, **Inkster B**, O'Sullivan U, Selvaraj S, Goodwin GM, Harmer CJ. Differential effects of erythropoietin on neural and cognitive measures of executive function 3 and 7 days post-administration. *Exp Brain Res*. 2008; 184(3): 313-321.

Miskowiak K, **Inkster B**, Selvaraj S, Wise R, Goodwin GM, Harmer CJ. Erythropoietin improves mood and modulates the cognitive and neural processing of emotion 3 days post administration. *Neuropsychopharmacology*. 2008; 33(3): 611-618.

Miskowiak K, **Inkster B**, Selvaraj S, Goodwin GM, Harmer CJ. Erythropoietin has no effect on hippocampal response during memory retrieval 3 days post-administration. *Psychopharmacology*. 2007; 195(3): 451-453.

Inkster B, Muglia P, Jain U, Kennedy JL. Linkage disequilibrium analysis of the dopamine beta-hydroxylase gene in persistent attention deficit hyperactivity disorder. *Psychiatr Genet*. 2004; 14(2): 117-120.

Muglia P, Jain U, **Inkster B**, Kennedy JL. A quantitative trait locus analysis of the dopamine transporter gene in adults with ADHD. *Neuropsychopharmacology* 2002; 27(4): 655-662.

SELECTED PRESENTATIONS & MEETINGS (2010 - current)

* Invited Speaker

TED Talk* Title: "The Portrayal of Mental Health In Hip-Hop Lyrics". New York City, USA. Mar 2017 [as part of HIP HOP PSYCH].

The International Conference of Hip-Hop Studies* Title: "Drug Trends in Hip-Hop Lyrics". Wolfson College, Cambridge, UK. 23rd June 2016 [as part of HIP HOP PSYCH].

MQ Mental Health Data Science Meeting. Invited Attendee. Swansea University, Wales, UK. 8-9th March 2016.

Strategies for Managing Social Media Research Data & Digital Method Developments Workshop* Title: "Where is Psychiatry in the Digital Age". Cambridge University Library and the Digital Humanities Network Cambridge, University of Cambridge, UK. 12th Feb 2016 [as part of my social media data research].

MQ Annual Science Meeting 2016 & "Improving Children and Young People's Mental Health Through Research and Policy"

Session. Invited Attendee. Mental Health Conference, London, UK. 4-5th Feb 2016.

The World Congress of Psychiatric Genetics; Plenary Session* Title: "Hip-Hop & Mental Health: Straight Outta Cambridge Tour". Toronto, Canada. 17th Oct 2015 [as part of HIP HOP PSYCH].

Avon Longitudinal Study of Parents and Children (ALSPAC) Seminar* Title: "Bringing ALSPAC into the Digital Age". Bristol University, UK. 8th Sept 2015 [as part of my social media data research].

University of Cambridge Inaugural Annual Research Ethics Committee Event: Ethics, Integrity of Research Data and Research Online Workshop* Title: "Is psychiatry ready for social media?" University of Cambridge, UK. 18th June 2015 [as part of my social media data research].

Parc Prison Young Offenders Institution (Security class: Category B Adult Males/Young Offenders/Juveniles) Seminar to Prisoners* Title: "HIP HOP PSYCH: resilience and plasticity". Bridgend, Wales. 14th Apr 2015 [as part of HIP HOP PSYCH].

The Lancet Psychiatry & Dylan Thomas Centre present: HIP HOP PSYCH Briefing* Title: "The portrayal of mental health in hip-hop lyrics". Swansea, UK. 13th Apr 2015 [as part of HIP HOP PSYCH].

Oxford University African Caribbean Society* Title: "Using hip-hop as a vehicle for raising awareness about mental health". Oxford, UK. 16th May 2014 [as part of HIP HOP PSYCH].

The Ortus Institute of Psychiatry & Maudsley NHS Event* Title: "Hip Hop Psych – a new conversation about mental health". South London, UK. 21st Nov 2013 [as part of HIP HOP PSYCH].

The Centre of Medical History, University of Exeter & Wellcome Trust Event* Title: "HIP HOP PSYCH presents: exploring hip-hop lyrics for mental health messages". Exeter, UK. 17-18th Oct 2013 [as part of HIP HOP PSYCH].

Cognition and Brain Sciences Unit* Title: "New directions for neuroimaging genetics studies: a molecular biological perspective". Medical Research Council, Cambridge, UK. Apr 2012 [as part of my imaging genetics research].

The Wellcome Trust Centre for Neuroimaging Title: "New directions for neuroimaging genetics studies: a molecular biological perspective" University College London, UK. Feb 2012 [as part of my imaging genetics research].

The Centre for Neuroimaging Sciences Title: "Neuroimaging and genetics: what's not working?" Institute of Psychiatry, King's College London, UK. Oct 2011 [as part of my imaging genetics research].

Human Brain Mapping Conference* Title: "MeCP2 affects prefrontal structure and metabolism differentially in healthy subjects and MDD". Québec, Canada. June 2011 [as part of my imaging genetics research].

The Cardiff University Brain Research Imaging Centre (CUBRIC) Title: "Imaging genetics: making distinctions between motion and progress". Cardiff University, Wales, UK. Feb 2011 [as part of my imaging genetics research].

National Institute of Mental Health* Title: "Using biologically-driven pathway-based hypotheses to guide imaging genetics studies". Genes, Cognition and Psychosis Program, NIH, Maryland, USA. May 2010 [as part of my imaging genetics research].

British Chapter ISMRM* Title: "Thyroid hormone transporter gene variants and grey matter volume changes in depression". Institute of Psychiatry, King's College London, UK. Mar 2010 [as part of my imaging genetics research].

Center for Integrated Molecular Brain Imaging (CIMBI)* Title: "What can imaging genetics tell us about the therapeutic effects of erythropoietin in depressed patients?" Neurobiological Research Unit, Copenhagen University Hospital, Denmark. Mar 2010 [as part of my imaging genetics research].

Psychiatric Neurogenetics Group Seminar* Title: "Imaging genetics association studies in major depression: Wnt signaling, GSK3beta substrates and major depression". Centre for Addiction and Mental Health (CAMH), University of Toronto, Canada. Feb 2010 [as part of my imaging genetics research].