

BIOGRAPHICAL SKETCH

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NAME: Travis, Michael J.

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POSITION TITLE: Travis, Michael J.

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
UMDS Guy's and St Thomas's, London University, UK	1 ST MB	1984 - 1986	Pre-Clinical Medicine
Intercollegiate – London University, UK	BSc. (Hons)	1986-1987	Psychology
UMDS Guy's and St Thomas's, London University, UK	MB.BS	1987-1990	Clinical Medicine
UMDS Guy's and St Thomas's, London	N/A	1990-1991	Intern Med/Surg
St. Bartholomew's Hospital, , London, UK	N/A	1991 -1995	Psychiatry, Resident
St. Bartholomew's Hospital, , London, UK	N/A	1995-1996	Psychiatry, Snr Resident
The Bethlem and Maudsley Trust, London, UK	N/A	1996-1999	Psych., Research Res.

NOTE: The Biographical Sketch may not exceed five pages. Follow the formats and instructions below.

A. Personal Statement

I trained in research at, respectively, the Institutes of Psychiatry and Nuclear Medicine in London, UK and have skills and expertise in both a neurochemical and fMRI imaging. I have extensive experience in Clinical Psychopharmacology, neurochemical imaging in health and disease and the effects of medication in fMRI studies. I have collaborated with the Phillips lab for over 10 years and work closely with her team. Over the last 4 years, I have liaised with, organized and coordinated the acquisition of data from identical MRI phantom acquisitions over time on a monthly basis from each of the three imaging sites. This has ensured consistency of signal to noise across scanners and over the time of the study for each scanner as well as minimizing other variabilities in image acquisition and quality between the sites and insuring consistent data from the child cohorts at each site. This has utilized my skills both as an imager and as an administrator in terms of liaison between technical and clinical experts in reaching a harmonization of goals and direction. The continuation of these efforts will be crucial to the continued success of this study.

B. Positions and Honors**Positions and Employment**

08.01.96 to 31.05.98 - Clinical Research Worker - Dept. of Psychological Medicine, Section of Clinical Neuropharmacology, Institute of Psychiatry, De Crespigny Park, London, UK
01.06.98 to 01.08.03 – Honorary Lecturer, (Assistant Professor) - Dept. of Psychological Medicine, Section of Clinical Neuropharmacology, Institute of Psychiatry, De Crespigny Park, London, UK
01.08.03 to date - Honorary Senior Lecturer, (Associate Professor) - Div. of Psychological Medicine, Section of Clinical Neuropharmacology, Institute of Psychiatry, De Crespigny Park, London, UK
01.01.99 to 30.06.05 - Consultant Psychiatrist, The South London and Maudsley NHS Trust, South Southwark Community Directorate (ES1 Ward - Psychiatric Intensive Care), UK
01.07.05 to date - Associate Professor - Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

01.07.05 to date - Director of Residency Training for the Department of Psychiatry - Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

Other Experience and Professional Memberships

1990-2005 Medical Protection Society
1994 Royal College of Psychiatrists
1996 British Association of Psychopharmacology
1998 CINP
2005 American Association of Directors of Psychiatry Residency Training
2012 Society of Biological Psychiatry
2015 American Psychiatric Association

Honors

1994 Winner of the St. Bartholomew's Hospital "Laughlin Prize", "In recognition of professional achievement, dedication, scholarship and to confer the title of Laughlin Fellow".
1998 Young Scientist Award - 9th Biennial Winter Workshop on Schizophrenia
1999 Young Investigator Award - International Congress on Schizophrenia Research
2004 Clinical Excellence Award from the South London and Maudsley NHS Trust – 2004
2011 Appointed as Ginsberg Committee Chair - American Association of Directors of Psychiatry Residency Training
2012 Elected to the University of Pittsburgh Academy of Master Educators
2013 Appointed as Treasurer of the American Association of Directors of Psychiatry Residency Training
2014 AAP Psychiatric Education Award from the Association for Academic Psychiatry

C. Contribution to Science

1. My early research was in various aspects of clinical psychopharmacology. My primary focus, from 1996, was in the use of single photon emission tomography, (SPET), and various radio-labelled ligands to further the understanding of antipsychotic action at specific neuro-receptors. I also formed close collaborations with other groups at the Institute of Psychiatry, (IoP), in London UK and abroad and thus had been involved in new radioligand development, work probing the serotonergic basis of Asperger's disease and most recently the effects of estrogen replacement therapy on both serotonergic and cholinergic receptors.

- a. Travis M.J., Busatto G.F., Pilowsky L.S., Mulligan R., Acton P.D., Gacinovic S., Mertens J., Terriere D., Costa D.C., Eil P.J., Kerwin R.W. (1998). 5-HT_{2A} receptor blockade in schizophrenic patients treated with risperidone or clozapine. A single photon emission tomography (SPET) using the novel 5-HT_{2A} ligand 123I-5-I-R-91150. *British Journal of Psychiatry*. 173: 236-242
- b. Jones HM, Travis MJ, Mulligan R, Bressan RA, Visvikis D, Gacinovic S, Eil PJ, Kerwin RW, Pilowsky LS. (2001). In vivo 5-HT_{2A} receptor blockade by quetiapine : an R91150 single photon emission tomography (SPET) study. *Psychopharmacology*. 157, (1): 60-66
- c. Norbury R, Travis M.J., Erlandsson K, Waddington W, Owens J, Eil PJ, Murphy D. (2005): In vivo imaging of muscarinic receptors in the aging female brain with (R,R)[123I]-I-QNB and Single Photon Emission Tomography. *Journal of Experimental Gerontology*; 40(3):137-45
- d. Murphy DGM, Schmitz N., Erlandsson K., Toal F., Murphy K, Waddington W., Matthiasson P., Daly E., Kerwin R.W., Eil P.J., Travis M.J. (2006). Cortical 5-HT_{2A} receptor binding and social communication in adults with Asperger syndrome; an in vivo SPET study. *American Journal of Psychiatry*. 163; (5): 934-936

2. I have also collaborated with research groups at the IoP designing and interpreting functional magnetic resonance imaging studies in medicated patients.

- a. Surguladze S.A., Young A.W., Senior C., Brebion G., Travis M.J., Phillips ML. (2004) Recognition accuracy and response bias to happy and sad facial expressions in patients with major depression. *Neuropsychology*. 18(2):212-8.

- b. Surguladze S.A., Brammer MJ, Young AW, Andrew C, Travis MJ, Williams SCR, Phillips ML. (2003). A preferential increase in the extrastriate response to signals of danger. *Neuroimage*. 19(4):1317-28
- c. Surguladze S, Russell T, Kucharska-Pietura K, Travis M.J., Giampietro V, David A.S, Phillips M.L. (2006). A reversal of the normal pattern of parahippocampal response to neutral and fearful faces is associated with reality distortion in schizophrenia. *Biological Psychiatry*. 60; (5): 423-431

3. In addition to these efforts I have also been involved in the genesis and completion of purely clinical studies in seriously mentally ill populations including a pharmacoeconomic study of amisulpiride and an augmentation trial in treatment resistant schizophrenia

- a. Surguladze S., Patel A., Kerwin R.W., Knapp M., Travis M.J. (2005). Cost Analysis Of Treating Schizophrenia With Amisulpride: A Naturalistic Mirror Image Study. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 29(4):517-22
- b. Munro J., Matthiasson P., Osborne S., Travis M., Purcell S., Cobb AM., Launer M., Beer M.D., Kerwin R. (2004). Amisulpride augmentation of clozapine: An open non-randomized study in patients with schizophrenia partially responsive to clozapine. *Acta Psychiatrica Scandinavica*. 110(4):292-298

4. In Pittsburgh, I am currently involved in the development and implementation of studies using fMRI to probe the neural basis of mood disorders.

- a. Bertocci, M.A., Bebko, G., Olino, T., Fournier, J., Hinze, A. K., Bonar, L., Almeida, J. R. C., Perlman, S. B., Versace, A., Travis, M., Gill, M. K., Demeter, C., Diwadkar, V. A., White, R., Schirda, C., Sunshine, J. L., Arnold, L. E., Holland, S. K., Kowatch, R. A., Birmaher, B., Axelson, D., Youngstrom, E. A., Findling, R. L., Horwitz, S. M., Fristad, M. A., and Phillips, M. L. (2014) Behavioral and emotional dysregulation trajectories marked by prefrontal-amygdala function in symptomatic youth. *Psychological Medicine* ;44(12):2603-15.PMID: 24468022
- b. Hafeman DM, Bebko G, Bertocci MA, Fournier JC, Bonar L, Perlman SB, Travis M, Gill MK, Diwadkar VA, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Arnold LE, Fristad MA, Frazier TW, Youngstrom EA, Findling RL, Drevets W, Phillips ML. (2014). Abnormal deactivation of the inferior frontal gyrus during implicit emotion processing in youth with bipolar disorder: attenuated by medication. *J Psychiatr Res*;58:129-36. PMID: 25151338
- c. Bebko G, Bertocci M, Chase H, Dwojak A, Bonar L, Almeida J, Perlman SB, Versace A, Schirda C, Travis M, Gill MK, Demeter C, Diwadkar V, Sunshine J, Holland S, Kowatch R, Birmaher B, Axelson D, Horwitz S, Frazier T, Arnold LE, Fristad M, Youngstrom E, Findling R, Phillips ML. (2015). Decreased amygdala-insula resting state connectivity in behaviorally and emotionally dysregulated youth. *Psychiatry Res*. 2015 Jan 30;231(1):77-86. PMID: 25433424
- d. Versace A, Acuff H, Bertocci MA, Bebko G, Almeida JR, Perlman SB, Leemans A, Schirda C, Aslam H, Dwojak A, Bonar L, Travis M, Gill MK, Demeter C, Diwadkar VA, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Frazier TW, Arnold LE, Fristad MA, Youngstrom EA, Findling RL, Phillips ML. (2015) White matter structure in youth with behavioral and emotional dysregulation disorders: a probabilistic tractographic study. *JAMA Psychiatry*. 2015 Apr 1;72(4):367-76. PMID: 25715064
- e. Portugal LC, Rosa MJ, Rao A, Bebko G, Bertocci MA, Hinze AK, Bonar L, Almeida JR, Perlman SB, Versace A, Schirda C, Travis M, Gill MK, Demeter C, Diwadkar VA, Ciuffetelli G, Rodriguez E, Forbes EE, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Arnold EL, Fristad MA, Youngstrom EA, Findling RL, Pereira M, Oliveira L, Phillips ML, Mourao-Miranda J. Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging? *PLoS One*. 2016 Jan 5;11(1):e0117603. doi: 10.1371/journal.pone.0117603. eCollection 2016. PMID: 26731403
- f. Bertocci MA, Bebko G, Versace A, Fournier JC, Iyengar S, Olino T, Bonar L, Almeida JR, Perlman SB, Schirda C, Travis MJ, Gill MK, Diwadkar VA, Forbes EE, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Frazier TW, Arnold LE, Fristad MA, Youngstrom EA, Findling RL, Phillips ML. Predicting clinical outcome from reward circuitry function and white matter structure in behaviorally and emotionally dysregulated youth. *Mol Psychiatry*. 2016 Feb 23. doi: 10.1038/mp.2016.5. [Epub ahead of print]. PMID: 26903272

5. I also have a wider role in the dissemination of research findings in my role as a psychiatric educator.

- a. Priya Gopalan, Pierre Azzam, Michael J. Travis, David A. Lewis. (2014). Longitudinal Interdisciplinary Neuroscience Curriculum. *Academic Psychiatry* ;38(2):163-7 PMID: 24519799
- b. Sheldon Benjamin, Michael J. Travis, Joseph Cooper, Chandlee Dickey, Claudia Reardon. (2014). Neuropsychiatry and Neuroscience Education of Psychiatry Trainees: Attitudes and Barriers. *Academic Psychiatry*;38(2):135-40. PMID: 24643397
- c. Saunders J, Gopalan P, Puri N, Azzam PN, Zhou L, Ghinassi F, Jain A, Travis M, Ryan ND. (2015). Psychosomatic Medicine for Non-Psychiatric Residents: Video Education and Incorporation of Technology. *Acad Psychiatry*. 2015 Mar 31. [Epub ahead of print] PMID: 25825227
- c. Ross DA, Travis MJ, Arbuckle MR. (2015). The Future of Psychiatry as Clinical Neuroscience: Why Not Now?. *JAMA Psychiatry*. 2015 Mar 11. PMID: 25760896
- d. Ross DA, Arbuckle MR, Travis MJ. (2015). "The time is now": Integrating neuroscience into psychiatry training. *Asian J Psychiatr*. 2015 Sep 21. pii: S1876-2018(15)00208-7. doi: 10.1016/j.ajp.2015.08.018. [Epub ahead of print]. PMID: 26456208
- e. Lockhart BJ, Capurso NA, Chase I, Arbuckle MR, Travis MJ, Eisen J, Ross DA. The Use of a Small Private Online Course to Allow Educators to Share Teaching Resources Across Diverse Sites: The Future of Psychiatric Case Conferences? *Acad Psychiatry*. 2015 Nov 30. [Epub ahead of print]. PMID: 26620806
- f. Blackwell KA, Travis MJ, Arbuckle MR, Ross DA. Crowdsourcing medical education. *Med Educ*. 2016 May;50(5):576. doi: 10.1111/medu.13010. PMID: 27072463
- g. Boland RJ, Walaszek A, Bentman A, DeJong SM, Travis MJ, Sudak DM, Brenner AM, Varley CK. The AADPRT Position on Resident Duty Hours in the Learning and Working Environment. *Acad Psychiatry*. 2016 Aug;40(4):637-41. doi: 10.1007/s40596-016-0548-5. Epub 2016 May 3. PMID: 27142838
- h. Penner AE, Lundblad W, Azzam PN, Gopalan P, Jacobson SL, Travis MJ. Assessing Career Outcomes of a Resident Academic Administrator, Clinician Educator Track: A Seven-Year Follow-up. *Acad Psychiatry*. 2016 May 3. [Epub ahead of print] PMID: 27142839

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1BwSUEGPR8VQ0/bibliography/49393747/public/?sort=date&direction=ascending>.

D. Research Support

Ongoing

3R25MH101076-02S1 Eisen (PI) 07/01/14 – 06/30/15

NIMH

The “National Neuroscience Curriculum Initiative”, (supplement to Promoting Research Training During Psychiatry Residency)

To create, pilot, and disseminate a model curriculum that will train psychiatrists to integrate a modern neuroscience perspective into their clinical work. This curriculum will be built on principles of adult learning, a multidisciplinary orientation, and will be adaptable for use in any type of learning environment and will involve both educators and experts drawn from across the USA.

Role on Project: Co-Investigator – 10%, (1.2 months)

1R01MH100041-01A1 Phillips (PI) 03/01/14-02/28/19

NIMH

Reward, Pathophysiologic Dimensions and Psychological Distress in Young Adults

To identify relationships among neuroimaging measures of function in neural circuitry supporting dimensional measures of problem behaviors and to elucidate dimensions of physiology and pathophysiologic processes in young individuals seeking help for psychological distress.

Role on Project: Co-Investigator – 5%, (0.6 months)

Completed

2 R01 MH073953-06 Birmaher, Phillips (MPIs) 07/01/10 - 02/28/15

NIMH

Longitudinal Assessment of Manic Symptoms

To focus on examining and documenting trajectories of youths with elevated symptoms of mania and related psychiatric disorders in order to better identify crucial time points for intervention.

Role on project: Co-Investigator – 5%, (0.6 months)