

CURRICULUM VITAE:

Philip William John BURNET

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Nationality: British
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Current Post (2000-2027): **University Research Lecturer & Director of Graduate Studies**
University Department of Psychiatry, Oxford

Post-doctoral Fellowships/Posts

- 1/1996-12/1999: PDRA (Welcome Trust), Dept. Psychiatry, Oxford University
- 9/1992-12/1995: Training Fellowship (MRC), Dept. Psychiatry, Oxford University
- 7/1990- 8/1992: Visiting Fellowship (Fogarty, USA), NIMH, USA.

Education Details

- 9/1985-10/1989: Ph.D Biochemistry (Imperial College, London)
- 10/1984- 7/1985: MSc Neurochemistry (King's College, London)
- 10/1981- 7/1984: BSc (Hons) Biochemistry (Hull University)

Publications (last 5 years)

70. Williams S, Chen L, Savignac HM, Tzortzis G, Anthony AC, **Burnet PW** (2015) Neonatal prebiotic supplementation increases the levels of synaptophysin, NR2A subunits, and BDNF proteins in the adult rat hippocampus. *Synapse* (in press)
69. Savignac HM, Couch Y, Stratford M, Bannerman DM, Tzortzis G, Anthony DC, **Burnet PW** (2015). Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1- β levels in male mice. *Brain Behav Immun* (in press)
68. Schmidt K, Cowen PJ, Harmer CJ, Tzortzis G, Errington S, **Burnet PW** (2015). Prebiotic intake reduces the waking cortisol response and alters emotional bias in healthy volunteers. *Psychopharmacology*. 232: 1793-801
67. De Filippis B, Lyon L, Taylor A, Lane T, **Burnet PW**, Harrison PJ, Bannerman DM (2015). The role of group II metabotropic glutamate receptors in cognition and anxiety: Comparative studies in GRM2(-/-), GRM3(-/-) and GRM2/3(-/-) knockout mice. *Neuropharmacology*. 89:19-32.
66. Tao R, Cousijn H, Jaffe AE, **Burnet PW**, Edwards F, Eastwood SL, Shin JH, Lane TA, Walker MA, Maher BJ, Weinberger DR, Harrison PJ, Hyde TM, Kleinman JE (2014). Expression of ZNF804A in human brain and alterations in schizophrenia, bipolar disorder, and major depressive disorder: a novel transcript fatally regulated by the psychosis risk variant rs1344706. *JAMA Psychiatry* 71:1112-20.
65. Schweimer JV, Couillon GS, Betts JF, **Burnet PW**, Engle SJ, Brandon NJ, Harrison PJ, Sharp T (2014). Increased burst-firing of ventral tegmental area dopaminergic neurons in D-amino acid oxidase knockout mice in vivo. *Eur J Neurosci*. 40:2999-3009.
64. Betts JF, Schweimer JV, Burnham KE, **Burnet PW**, Sharp T, Harrison PJ (2014). D-amino acid oxidase is expressed in the ventral tegmental area and modulates cortical dopamine. *Front Synaptic Neurosci*. 6:11.

63. **Burnet PWJ** and Cowen PJ (2013) Psychobiotics highlight the pathways to happiness. *Biological Psychiatry* 74: 708-9
62. Savignac HM, Corona G, Chen L, Mills H, Spencer JPE, Tzortzis G, and **Burnet PWJ** (2013). Prebiotic feeding elevates central brain-derived neurotrophic factor, N-methyl-D-aspartate receptor subunits and D-serine. *Neurochemistry International* 63: 756-64
61. **Burnet PWJ** (2012). Gut bacteria and brain function: the challenges of a growing field. *Proc Natl Acad Sci U S A*.109(4):E175
60. Harrison PJ, Pritchett D, Stumpenhorst K, Betts JF, Nissen W, Schweimer J, Lane T, **Burnet PWJ**, Lamsa KP, Sharp T, Bannerman DM, Tunbridge EM (2012). Genetic mouse models relevant to schizophrenia: taking stock and looking forward. *Neuropharmacology* 62(3):1164-7.
59. Lyon L, **Burnet PWJ**, Kew JN, Corti C, Rawlins JN, Lane T, De Filippis B, Harrison PJ, Bannerman DM (2011). Fractionation of spatial memory in GRM2/3 (mGlu2/mGlu3) double knockout mice reveals a role for group II metabotropic glutamate receptors at the interface between arousal and cognition. *Neuropsychopharmacology*. 36(13):2616-28.
58. Lyon L, Borel M, Carrión M, Kew JN, Corti C, Harrison PJ, **Burnet PWJ**, Paulsen O, Rodríguez-Moreno A (2011). Hippocampal mossy fiber long-term depression in Grm2/3 double knockout mice. *Synapse*. 65(9):945-54.
57. **Burnet PWJ**, Anderson PN, Chen L, Nikiforova N, Harrison PJ, Wood MJ (2011) D-amino acid oxidase knockdown in the mouse cerebellum reduces NR2A mRNA. *Mol Cell Neurosci*. 46(1):167-75.
56. Sikka P, Walker R, Cockayne R, Harrison PJ, Wood MJA and **Burnet PWJ** (2010). D-serine metabolism in C6 glioma cells: Involvement of Alanine-Serine-Cysteine Transporter (ASCT2) and serine racemase (SRR), but not D-amino acid oxidase (DAO). *J Neurosci Res* 88: 1829-40