

Philip Cowen

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Date of Birth

26 April 1951

Research Appointments and qualifications

- Current** Professor of Psychopharmacology and Honorary Consultant Psychiatrist, MRC Clinical Scientist and Member of External Scientific Staff (since 1983). Post funded by MRC
University Department of Psychiatry, Oxford
- 1979- 1983** Fellow in Clinical Psychopharmacology
MRC Unit of Clinical Pharmacology, Oxford
- 1976-1979** Rotational training scheme in psychiatry
Kings College Hospital, London
- 1968-1974** Intercalated BSc in Pharmacology (2,1), MB, BS
University College London
- 1979** Member of the Royal College of Psychiatrists
- 1984** MD (Research Doctorate)
University of London

Current responsibilities

I lead a research group funded by the UK Medical Research Council whose goal is to carry out translational research in mood disorders. I direct and co-ordinate the research work of clinicians and scientists who are investigating the pathophysiology and treatment of mood disorders using state of the art techniques including multimodal brain imaging, neuroendocrinology and neuropsychology. I am clinically qualified and clinically active.

Esteem indicators

- Member of MRC Neurosciences Board (2011-) and MRC Advisory Panels for CFS/ME (2002, 2008) and Gulf War Syndrome (2003).
- Elected to a personal Chair in Psychopharmacology in the University of Oxford (1997).
- Elected to a Fellowship of the Academy of Medical Sciences (2000).
- "Distinguished Investigator Award" from the National Alliance against Schizophrenia and Depression, a leading US mental health charity (2003).
- Fellow of the Royal College of Psychiatrists (1990)

- Awards Committee of the ECNP (current)
- NICE Guideline Panel on Generalized Anxiety Disorder (2010-2011).
- BAP treatment guidelines committee (Bipolar Disorder and Depression)
- Elected CINP Councillor (2012-)

Grant Income (*Grants awarded over the last five years*)

- MRC Strategic Grant, Co-Applicant, "A cognitive vaccine for depression: assessment using neurobiological outcomes in experimental medicine models". £200K, 2008-2011
- MRC Strategic Grant, Principal Applicant, "Impaired neural responses to the sight and taste of chocolate: A model of anhedonia in depression". £450K, 2008-2011
- MRC Programme Grant, Principal Applicant "Clinical psychopharmacology of 5-HT". £1.6million, 2008-2013
- MRC Strategic Grant, Co-Applicant, "Cognitive biomarkers of antidepressant drug efficacy". £440K, 2009-2012
- MRC Research Grant, Principal Applicant, "Use of biomarkers to detect pre-symptomatic medical co-morbidity in young people at familial risk of depression. £475K, 2009-2012.

Selected Recent Publications

Harmer CJ, O'Sullivan U, Favaron E, Massey-Chase R, Ayres R, Reinecke A, Goodwin GM, Cowen PJ (2009) Effect of acute antidepressant administration on negative affective bias in depressed patients. *American Journal of Psychiatry* 166, 1178-1184.

Murphy SE, Norbury N, O'Sullivan U, Cowen PJ, Harmer CJ (2009) Effect of a single dose of citalopram on amygdala response to emotional faces. *British Journal of Psychiatry* 194, 535-540.

McCabe C, Mishor Z, Cowen PJ, Harmer CJ (2010) Diminished neural processing of aversive rewarding stimuli during selective serotonin reuptake inhibitor treatment. *Biological Psychiatry* 67, 439-445.

Mannie ZN, Harmer CJ, Cowen PJ, Norbury R (2010) A functional magnetic resonance imaging study of verbal working memory in young people at increased risk of depression. *Biological Psychiatry* 67, 471-477.

Norbury R, Selvaraj S, Taylor MJ, Harmer CJ, Cowen PJ (2011) Increased neural response to fear in patients recovered from depression: a 3T functional magnetic resonance imaging study. *Psychological Medicine* 40, 425-432.

Norbury R, Mannie Z, Cowen PJ (2011) Imaging vulnerability in depression. *Molecular Psychiatry* 16, 1067-1068.

Selvaraj S, Murthy NV, Bhagwagar Z, Bose SK, Hinz R, Grasby PM, Cowen PJ (2011) Diminished brain 5-HTT transporter binding in major depression: a positron emission tomography study with [¹¹C]DASB. Psychopharmacology 213, 555-562.

Selvaraj S, Godlewska BR, Norbury R, Bose SK, Turkheimer F, Stokes P, Rhodes R, Howes O, Cowen PJ (2011) Decreased regional gray matter volume in S' allele carriers of the 5-HTTLPR triallelic polymorphism. Molecular Psychiatry 16, 472-473.

McCabe C, Mishor Z, Filippini N, Cowen PJ, Taylor MJ, Harmer CJ (2011) SSRI administration reduces resting state functional connectivity in dorso-medial prefrontal cortex. Molecular Psychiatry 16, 592-594.

Lewis G, Mulligan J, Wiles N, Cowen PJ, Craddock N, Ikeda M, Grozeva D, Mason V, Nutt DJ, Sharp D, Tallon D, Thomas L, O'Donovan MC, Peters TJ (2011). Polymorphism of the 5-HT transporter and response to antidepressants: randomized controlled trial. British Journal of Psychiatry 198: 464-471.

Taylor MJ, Tiangga ER, Ri Mhuircheartaigh R, Cowen P.J. (2012) Lack of effect of ketamine on cortical glutamate in healthy volunteers: a proton magnetic resonance spectroscopy study Journal of Psychopharmacology 26, 733-737.

McCabe C, Woffindale C, Harmer CJ, Cowen PJ (2012) Neural processing of reward and punishment in young people at increased familial risk of depression. Biological Psychiatry 72, 588-594.

Godlewska BR, Norbury R, Selvaraj S, Cowen PJ, Harmer CJ (2012) Short-term SSRI treatment normalises amygdala hyperactivity in depressed patients. Psychological Medicine 42, 2609-2617.

Murphy SE, Norbury R, Godlewska BR, Cowen PJ, Mannie ZN, Harmer CJ, Munafo MR (2013) The effect of the serotonin transporter polymorphism (5-HTTLPR) on amygdala function: a meta-analysis. Molecular Psychiatry (in press).

Selvaraj S, Turkheimer F, Rosso L, Faulkner P, Mouchlianitis E, Roiser JP, McGuire P, Cowen PJ, Howes O (2013) Measuring endogenous changes in serotonergic neurotransmission in humans: A [¹¹C]CUMI PET challenge study. Molecular Psychiatry 17, 1254-1260.

Near J, Andersson J, Maron E, Mekle R, Gruetter R, Cowen PJ, Jezzard P (2013) Unedited in-vivo detection and quantification of GABA using short-TE magnetic resonance spectroscopy. NMR in Biomedicine (in press)

Taylor MJ, Godlewska BR, Norbury R, Selvaraj S, Near J, Cowen PJ (2013) Early increase in marker of neuronal integrity with antidepressant treatment of major depression: 1H-magnetic resonance spectroscopy of N-acetyl-aspartate. International Journal of Neuropsychopharmacology. (in press).

Taylor MJ, Godlewska BR, Near J, Christmas D, Potokar J, Collier J, Klenerman P, Barnes E, Cowen PJ (2013) Effect of interferon- α on cortical glutamate in patients with hepatitis C: a proton MRS study. Psychological Medicine (in press)