

Peter Talbot, MD, MRCPsych, FRCPsych
Honorary
Division of Neuroscience & Experimental Psychology (L5)
Lydia Becker Institute of Immunology and Inflammation



Overview

Director, Wolfson Molecular Imaging Centre
Senior Lecturer in Psychiatry
Honorary General Secretary (2017-2022), British Association for Psychopharmacology
President, Manchester Medical Society Psychiatry Section (2018-2019)
Fellow of the Royal College of Psychiatrists
Editorial Advisory Board, Journal of Psychopharmacology

Employment

Honorary Clinical Senior Lecturer

Honorary
Division of Neuroscience & Experimental Psychology (L5)
The University of Manchester
1 Jan 2021 → present

Clinical Senior Lecturer

Academic(Teaching & Research) Clinical Senior Lect
Division of Neuroscience & Experimental Psychology (L5)
The University of Manchester
1 Aug 2016 → 31 Dec 2020

Lydia Becker Institute of Immunology and Inflammation

The University of Manchester
1 Aug 2018 → present

Research outputs

Associations between psoriatic arthritis and mental health among patients with psoriasis: A replication and extension study using the British Association of Dermatologists Biologics and Immunomodulators Register (BADBIR)

Lada, G., Chinoy, H., Talbot, P. S., Warren, R. B. & Kleyn, C. E., 6 Jul 2022, In: Skin Health and Disease.
DOI: 10.1002/ski2.149

The effect of the Covid-19 pandemic on illness perceptions of psoriasis and the role of depression: Findings from a cross-sectional study

Lada, G., Chinoy, H., Talbot, P. S., Warren, R. B. & Kleyn, C. E., 3 Jul 2022, In: Skin Health and Disease.
DOI: 10.1002/ski2.145 <https://doi.org/10.1002/ski2.145>

Depression and suicidality in patients with psoriasis and the role of psoriatic arthritis; a cross-sectional study in a tertiary setting

Lada, G., Chinoy, H., Heal, C., Warren, R. B., Talbot, P. S. & Kleyn, C. E., 10 Jan 2022, In: Journal of the Academy of Consultation-Liaison Psychiatry.
DOI: 10.1016/j.jaclp.2021.12.007

Clinical correlates of depression and anxiety in psoriasis and prevalence of undiagnosed depression. 19th Congress - European Society for Dermatology and Psychiatry (ESDaP) & 2nd Brain Skin Colloquium Conference. 11th - 12th June 2021

Lada, G., Talbot, P., Chinoy, H., Warren, R. & Kleyn MBChB, FRCP, MMedSci, PhD, E., 1 Sep 2021, In: British Journal of Dermatology.

DOI: 10.1111/bjd.20518

Dopamine and Glutamate in Antipsychotic-Responsive Compared with Antipsychotic-Nonresponsive Psychosis: A Multicenter Positron Emission Tomography and Magnetic Resonance Spectroscopy Study (STRATA)

Egerton, A., Murphy, A., Donocik, J., Anton, A., Barker, G. J., Collier, T., Deakin, B., Drake, R., Eliasson, E., Emsley, R., Gregory, C. J., Griffiths, K., Kapur, S., Kassoumeri, L., Knight, L., Lambe, E. J. B., Lawrie, S. M., Lees, J., Lewis, S., Lythgoe, D. J. & 14 others, Matthews, J., McGuire, P., McNamee, L., Semple, S., Shaw, A. D., Singh, K. D., Stockton-Powdrell, C., Talbot, P. S., Veronese, M., Wagner, E., Walters, J. T. R., Williams, S. R., Maccabe, J. H. & Howes, O. D., 1 Mar 2021, In: *Schizophrenia Bulletin*. 47, 2, p. 505-516 12 p.

DOI: 10.1093/schbul/sbaa128

P.322 Depression, suicidality, and inflammation in psoriasis and the role of psoriatic arthritis: A cross-sectional study

Lada, G., Talbot, P., Warren, R., Chinoy, H. & Kleyn MBChB, FRCP, MMedSci, PhD, E., Mar 2021.

DOI: 10.1016/j.euroneuro.2021.01.083

Mental health and dermatology practice in the COVID-19 pandemic

Lada, G., Talbot, P., Bewley, A. & Kleyn MBChB, FRCP, MMedSci, PhD, E., 1 Oct 2020, In: *Clinical and Experimental Dermatology*. 45, 7, p. 816-817 2 p.

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Dopamine and Glutamate in Antipsychotic-Responsive compared to Antipsychotic Non-Responsive Psychosis: A Multicentre Positron Emission Tomography and Magnetic Resonance Spectroscopy Study (STRATA)

Egerton, A., Murphy, A., Donocik, J., Anton, A., Barker, G. J., Collier, T., Deakin, J. F. W., Drake, R., Eliasson, E., Emsley, R., Gregory, C., Griffiths, K., Kapur, S., Kassoumeri, L., Knight, L., Lambe, E. J. B., Lawrie, S. M., Lees, J., Lewis, S., Lythgoe, D. J. & 14 others, Matthews, J., McGuire, P. K., McNamee, L., Semple, S. I., Shaw, A. D., Singh, K. D., Stockton-Powdrell, C., Talbot, P., Veronese, M., Wagner, E., Walters, J. T. R., Williams, S. R., MacCabe, J. H. & Howes, O. D., 10 Sep 2020, In: *Schizophrenia Bulletin*.

DOI: <https://doi.org/10.1093/schbul/sbaa128>

Neuroinflammation as measured by positron emission tomography in patients with recent onset and established schizophrenia: implications for immune pathogenesis

Conen, S., Gregory, C., Hinz, R., Smallman, R., Corsi-Zuelli, F., Deakin, J. F. W. & Talbot, P., 30 Jun 2020, In: *Mol Psychiatry*. 0, p. 0 0.

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Anticonvulsants for Mental Disorders: Valproate, Lamotrigine, Carbamazepine and Oxcarbazepine

Talbot, P., 18 Jun 2020, *Seminars in Clinical Psychopharmacology*. Haddad, P. M. & Nutt, D. J. (eds.). 3 ed. Cambridge University Press, p. 365-394 30 p. (College Seminars Series).

Evidence-based guidelines for the pharmacological treatment of schizophrenia: updated recommendations from the British Association for Psychopharmacology

Barnes, T. R. E., Drake, R., Paton, C., Cooper, S. J., Deakin, J. F. W., Ferrier, I. N., Gregory, C., Haddad, P., Howes, O., Jones, I., Joyce, E. M., Lewis, S., Lingford-Hughes, A., MacCabe, J., Owens, D. C., Patel, M., Sinclair, J., Stone, J., Talbot, P., Upthegrove, R. & 2 others, Wieck, A. & Yung, A., 1 Jan 2020, In: *Journal of psychopharmacology (Oxford, England)*. 34, 1, p. 3-78 75 p.

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Guidelines for the Content and Format of PET Brain Data in Publications and Archives: A Consensus Paper

Knudsen, G. M., Ganz, M., Appelhoff, S., Boellaard, R., Bormans, G., Carson, R. E., Catana, C., Doudet, D. J., Gee, A. D., Greve, D. N., Gunn, R. N., Halldin, C., Herscovitch, P., Huang, H., Keller, S. H., Lammertsma, A. A., Liow, J-S., Lohith, T., Lubberink, M., Lyoo, C. H. & 18 others, Mann, J., Nichols, T. E., Nørgaard, M., Ogden, T., Pike, V. W., Price, J., Rizzo, G., Scott, P. J. H., Searle, G., Suhara, T., Talbot, P., Thomas, A., Veronese, M., Wong, D. F., Yaqub, M., Zanderigo, F., Zoghbi, S. & Innis, R. B., 2020, In: *Journal of Cerebral Blood Flow and Metabolism*.

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Psoriasis and Mental Health Workshop Report: Exploring the links between psychosocial factors, psoriasis, neuroinflammation and cardiovascular disease risk

Kleyn, C. E., Talbot, P., Mehta, N. N., Sampogna, F., Bundy, C., Ashcroft, D., Kimball, A. B., van de Kerkhof, P., Griffiths, CEM., Valenzuela, F., van der Walt, J. M., Aberra, T. & Puig, L., 2020, In: *Acta Dermato-Venereologica*. 100, 1, p. 1-8 8 p.

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Corrigendum: Treatment-resistant and Multi-therapy resistant criteria for bipolar depression: A consensus definition (The British Journal of Psychiatry (2019) 214 (27-35) DOI: 10.1192/bjp.2018.257)

Hidalgo-Mazzei, D., Berk, M., Cipriani, A., Cleare, A. J., Di Florio, A., Dietch, D., Geddes, J. R., Goodwin, G. M., Grunze, H., Hayes, J. F., Jones, I., Kasper, S., MacRitchie, K., Hamish McAllister-Williams, R., Morriss, R., Nayrouz, S., Pappa, S., Soares, J. C., Smith, D. J., Suppes, T. & 6 others, Talbot, P., Vieta, E., Watson, S., Yatham, L. N., Young, A. H. & Stokes, P. R. A., 1 May 2019, In: British Journal of Psychiatry. 214, 5, 1 p.

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Multiple-therapy-resistant-Major Depressive Disorder (MTR-MDD): a clinically important concept

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Microglial activation, white matter tract damage and disability in multiple sclerosis

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Cerebral Serotonin Transporter Measurements with [¹¹C]DASB: A Review on Acquisition and Preprocessing across 21 PET Centres

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Treatment-resistant and Multi-therapy resistant criteria for bipolar depression: A consensus definition

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In-vivo imaging of brain microglial activity in antipsychotic-free and medicated schizophrenia: a [¹¹C](R)-PK11195 positron emission tomography study

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Deep brain stimulation of the periaqueductal gray releases endogenous opioids in humans

Sims - Williams, H., Matthews, J., Talbot, P., Love-Jones, S., CW Brooks, J., K. Patel, N. & E. Pickering, A., 2016, In: *NeuroImage*. 10 p.
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Managing inadequate antidepressant response in depressive illness.

Haddad, P. M., Talbot, P. S., Anderson, I. M. & McAllister-Williams, R. H., Sep 2015, In: *British Medical Bulletin*. 115, 1, p. 183-201 18 p.
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Can non-invasive analysis detect group differences in 5-HT_{2A} receptor binding measured using 11C-MDL100907 PET?

Talbot, P. S., Holmes, S. E., Anton-Rodriguez, J. M., Noonan, P. J. & Hinz, R., Aug 2012, p. S153-S154.

Pre- and Postsynaptic Serotonergic Differences in Males with Extreme Levels of Impulsive Aggression Without Callous Unemotional Traits: A Positron Emission Tomography Study Using 11C-DASB and 11C-MDL100907

Rylands, A. J., Hinz, R., Jones, M., Holmes, S. E., Feldmann, M., Brown, G., McMahon, A. W. & Talbot, P. S., 24 Jul 2012, In: *Biological Psychiatry*. 72, 12, p. 1004-1011 7 p.
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Sustained recreational use of ecstasy is associated with altered pre and postsynaptic markers of serotonin transmission in neocortical areas: A PET study with 11 CDASB and 11 CMDL 100907

Urban, N. B. L., Girgis, R. R., Talbot, P. S., Kegeles, L. S., Xu, X., Frankle, W. G., Hart, C. L., Slifstein, M., Abi-Dargham, A. & Laruelle, M., May 2012, In: *Neuropsychopharmacology*. 37, 6, p. 1465-1473 8 p.
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Extended characterisation of the serotonin 2A (5-HT_{2A}) receptor-selective PET radiotracer 11C-MDL100907 in humans: Quantitative analysis, test-retest reproducibility, and vulnerability to endogenous 5-HT tone

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Brainstem serotonin transporter abnormalities in human impulsive aggression correlate with impaired set-shifting, increased risk taking, and childhood adversity.

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Serotonergic abnormalities in males with extreme levels of impulsive aggression, investigated using 11C-DASB and 11C-MDL100907 PET

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Brain serotonin transporter occupancy by oral sibutramine dosed to steady state: A PET study using 11C-DASB in healthy humans

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M05-319 Bias in Iterative Reconstruction of Low-Statistics PET Data: Benefits of a Resolution Model

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Alcohol dependence is associated with blunted dopamine transmission in the ventral striatum

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Brain serotonin transporter distribution in subjects with impulsive aggressivity: A positron emission study with [¹¹C]McN 5652

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Effects of reduced endogenous 5-HT on the in vivo binding of the serotonin transporter radioligand 11C-DASB in healthy humans

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Effect of amphetamine on [¹⁸F]fallypride in vivo binding to D2 receptors in striatal and extrastriatal regions of the primate brain: Single bolus and bolus plus constant infusion studies

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In vivo affinity of [¹⁸F]fallypride for striatal and extrastriatal dopamine D2 receptors in nonhuman primates

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The molecular neuroimaging of anxiety disorders

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In Vivo Vulnerability to Competition by Endogenous Dopamine: Comparison of the D2 Receptor Agonist Radiotracer (-)-N-[¹¹C]propyl-norapomorphine ([¹¹C]NPA) with the D2 Receptor Antagonist Radiotracer [¹¹C]-Raclopride

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Hwang, D., Narendran, R., Huang, Y., Slifstein, M., Talbot, P.S., Sudo, Y., Van Berckel, B., Kegeles, L., Martinez, D. & Laruelle, M., Feb 2004, In: Journal Of Nuclear Medicine. 45, 2

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Molecular Imaging in Psychiatric Disorders

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Activities

Sage Publications Ltd (Publisher)

Peter Talbot (Member of editorial board)

2020 → 2025

External PhD Examiner

Peter Talbot (Examiner)

2019

Invited expert advisor for NICE

Peter Talbot (Advisor)

2019

Manchester Medical Society (External organisation)

Peter Talbot (President)

Sep 2018 → Sep 2019

External PhD Examiner

Peter Talbot (Examiner)

2018

British Association for Psychopharmacology (External organisation)

Peter Talbot (Secretary)
2017 → 2021

International Psoriasis Council Hot Topic Roundtable: Psoriasis and Mental Health

Peter Talbot (Participant)
19 Nov 2016

Internal MSc Examiner

Peter Talbot (Examiner)
2016

British Association for Psychopharmacology (External organisation)

Peter Talbot (Invited member)
2015 → 2017

External PhD Examiner

Peter Talbot (Examiner)
2015

Independent Advisory Board member

Peter Talbot (Consultant)
2015

Independent Advisory Board member

Peter Talbot (Consultant)
2015

Independent Advisory Board member

Peter Talbot (Consultant)
2015

Independent Advisory Board member

Peter Talbot (Consultant)
2015 → 2018

Internal MPhil Examiner

Peter Talbot (Examiner)
2015

Internal MSc Examiner

Peter Talbot (Examiner)
2015

Internal MSc Examiner

Peter Talbot (Examiner)
2014

Internal MSc Examiner

Peter Talbot (Examiner)
2014

Internal PhD Examiner
Peter Talbot (Examiner)
2014

Press/Media

Medical News Today: Depression: Is brain inflammation tied to suicidal thoughts?

Peter Talbot
25/09/17
1 item of Media coverage

US NEWS & WORLD REPORT: What's the Connection Between Brain Inflammation and Suicidal Thoughts?

Peter Talbot
20/10/17
1 item of Media coverage

Awards

Projects

EURIPIDES: European research initiative to develop imaging probes for early in-vivo diagnosis and evaluation of response to therapeutic substances (EURIPIDES)

Asselin, M., Brown, G., Herholz, K., Jackson, A., Matthews, J., McMahon, A. & Talbot, P.
1/02/08 → 31/07/12