

Publications arising from the Wellcome Trust-GSK Translational Medicine Clinical Fellowship Training Programme

July 2015

Jayasena CN, Abbara A, Narayanaswamy S, **Comninou AN¹**, et al.
Direct comparison of the effects of intravenous kisspeptin-10, kisspeptin-54 and GnRH on gonadotrophin secretion in healthy men.
Hum Reprod. **2015 Jun** 18. pii: dev143. [Epub ahead of print] **PMID: 26089302.**

Jayasena CN, **Comninou AN¹**, et al.
The identification of elevated urinary kisspeptin-immunoreactivity during pregnancy.
Ann Clin Biochem. **2015 May**;52(Pt 3):395-8. doi: 10.1177/0004563214551612. Epub 2014 Aug 28.
PMID: 25167862.

Scott G¹, Hellyer PJ, Hampshire A, Leech R.
Exploring spatiotemporal network transitions in task functional MRI.
Hum Brain Mapp. **2015 Apr**;36(4):1348-64. doi: 10.1002/hbm.22706. Epub 2014 Dec 11. **PMID: 25504834**

Comninou AN¹, et al.
Kisspeptin signaling in the amygdala modulates reproductive hormone secretion.
Brain Struct Funct. **2015 Mar** 11. [Epub ahead of print] **PMID: 25758403.**

Rizzuto I, Stavrou C, Chatterjee J, Borley J, **Hopkins TG**, Gabra H, Ghaem-Maghami S, Huson L, Blagden SP.
Risk of Ovarian Cancer Relapse score: a prognostic algorithm to predict relapse following treatment for advanced ovarian cancer.
Int J Gynecol Cancer. **2015 Mar**;25(3):416-22. doi: 10.1097/IGC.0000000000000361. **PMID: 25647256**

Jayasena CN, **Comninou AN¹**, et al.
Neurokinin B administration induces hot flushes in women.
Sci Rep. **2015 Feb** 16;5:8466. doi: 10.1038/srep08466. **PMID: 25683060.**

Hopkins TG¹, Stavrou C, Gabra H, Fallowfield L, Hood C, Blagden S.
Sexual activity and functioning in ovarian cancer survivors: an internet-based evaluation.
Climacteric. **2015 Feb**;18(1):94-8. doi: 10.3109/13697137.2014.929104. Epub 2014 Jul 16. **PMID: 25029389**

Vijayan R, **Scott G**, Brownlie W, Male P, Chin K.
How sharp is a "sharp scratch"? A mixed methods study of verbal warnings issued before venipuncture.
Pain Pract. **2015 Feb**;15(2):132-9. doi: 10.1111/papr.12159. Epub 2013 Dec 30. **PMID: 24373198**

Vera JH, Jackson A, Dickinson L, Else L, Barber T, Mora-Peris B, Back D, Boffito M, Winston A.
The pharmacokinetic profile of raltegravir-containing antiretroviral therapy in HIV-infected individuals over 60 years of age.
HIV Clin Trials. **2015 Jan-Feb**;16(1):39-42. doi: 10.1179/1528433614Z.00000000006. Epub 2015 Jan 14. **PMID: 25777188**

Roberts AM, ..., **Dawes TJW¹⁴**, et al.
Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease.
Sci. Transl. Med. **2015 Jan** 14;7(270):270ra6. doi: 10.1126/scitranslmed.3010134. **PMID: 25589632.**

Shi W, Lombaert H, Bai W, Ledig C, Zhuang X, Marvao A, **Dawes T**, O'Regan D.
Multi-atlas spectral PatchMatch: application to cardiac image segmentation.
Med Image Comput Assist Interv. **2014**;17(Pt 1):348-55., PMID: 25333137.

Ramzi Khamis; Kevin Woollard; Joseph J Boyle; Shang-Hung Chang; Gareth Hyde; Michael Johns; Dorian O Haskard.
Abstract 13773: A Novel Immunoglobulin G Autoantibody Against a Cryptic Epitope in Low Density Lipoprotein Induces Macrophage Tumour Necrosis Factor Release.
American Heart Association, **2014**.

Jayasena CN, Abbara A, Izzi-Engbeaya C, **Comninou AN**, et al
Reduced levels of plasma kisspeptin during the antenatal booking visit are associated with increased risk of miscarriage.
J Clin Endocrinol Metab. **2014 Dec**;99(12):E2652-60. doi: 10.1210/jc.2014-1953. PMID: 25127195.

Jayasena CN, **Comninou AN**, Narayanaswamy S, Bhalla S, Abbara A, Ganiyu-Dada Z, Busbridge M, Ghatel MA, Bloom SR, Dhillo WS.
Acute and chronic effects of kisspeptin-54 administration on GH, prolactin and TSH secretion in healthy women.
Clin Endocrinol (Oxf). **2014 Dec**;81(6):891-8. doi: 10.1111/cen.12512. Epub 2014 Jun 25. PMID: 24863252

Mura M, **Hopkins TG**¹, et al
LARP1 post-transcriptionally regulates mTOR and contributes to cancer progression.
Oncogene. **2014 Dec** 22. doi: 10.1038/onc.2014.428. [Epub ahead of print] PMID: 25531318

Scott G¹, Fagerholm ED, Mutoh H, Leech R, Sharp DJ, Shew WL, Knöpfel T.
Voltage imaging of waking mouse cortex reveals emergence of critical neuronal dynamics.
J Neurosci. **2014 Dec** 10;34(50):16611-20. doi: 10.1523/JNEUROSCI.3474-14.2014. PMID: 25505314

Tan TM, Salem V, Troke RC, Alsafi A, Field BC, **De Silva A**, et al
Combination of Peptide YY3-36 with GLP-17-36 amide Causes an Increase in First-Phase Insulin Secretion after IV Glucose.
J Clin Endocrinol Metab. **2014 Nov**;99(11):E2317-24. doi: 10.1210/jc.2014-2143. Epub 2014 Aug 21. PMID: 25144632.

Jayasena CN, Abbara A, **Comninou AN**, et al
Kisspeptin-54 triggers egg maturation in women undergoing in vitro fertilization.
J Clin Invest. **2014 Aug**;124(8):3667-77. doi: 10.1172/JCI75730. Epub 2014 Jul 18. PMID: 25036713

Jilka SR, **Scott G**², Ham T, Pickering A, Bonnelle V, Braga RM, Leech R, Sharp DJ.
Damage to the Salience Network and interactions with the Default Mode Network.
J Neurosci. **2014 Aug** 13;34(33):10798-807. doi: 10.1523/JNEUROSCI.0518-14.2014. PMID: 25122883

Goldstone AP, Prechtel CG, Scholtz S, Miras AD, **Chhina N**¹, et al
Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food.
Am J Clin Nutr. **2014 Jun**;99(6):1319-30. doi: 10.3945/ajcn.113.075291. Epub 2014 Apr 23. PMID: 24760977

Scholtz S, Miras AD, **Chhina N**, et al
Obese patients after gastric bypass surgery have lower brain-hedonic responses to food than after gastric banding.
Gut. **2014 Jun**;63(6):891-902. doi: 10.1136/gutjnl-2013-305008. Epub 2013 Aug 20. PMID: 23964100

Erritzoe D, Tziortzi A, Bargiela D, **Colasanti A³**, et al
In Vivo Imaging of Cerebral Dopamine D3 Receptors in Alcoholism.
Neuropsychopharmacology. **2014 Jun**;39(7):1703-12. doi: 10.1038/npp.2014.18. Epub 2014 Jan 28. PMID: 24469594

Jayasena CN, Abbara A, Veldhuis JD, **Comninou AN, De Silva, A** et al
Increasing LH pulsatility in women with hypothalamic amenorrhoea using intravenous infusion of kisspeptin-54.
J Clin Endocrinol Metab. **2014 Jun**;99(6):E953-61. doi: 10.1210/jc.2013-1569. Epub 2014 Feb 11.. PMID: 24517142

Leech R, **Scott G**, Carhart-Harris R, Turkheimer F, Taylor-Robinson SD, Sharp DJ.
Spatial dependencies between large-scale brain networks.
PLoS One. **2014 Jun** 2;9(6):e98500. doi: 10.1371/journal.pone.0098500. eCollection 2014. PMID: 24887067

Mora-Peris B, Watson V, **Vera JH³**, et al
Rilpivirine exposure in plasma and sanctuary site compartments after switching from nevirapine-containing combined antiretroviral therapy.
J Antimicrob Chemother. **2014 Jun**;69(6):1642-7. doi: 10.1093/jac/dku018. Epub 2014 Feb 11. PMID: 24521854

Raffel J, Dobson R, **Gafson A²**, Mattoscio M, Muraro P, Giovannoni G.
Multiple sclerosis therapy and Epstein-Barr virus antibody titres.
Mult Scler Relat Disord. **2014 May**;3(3):372-4. doi: 10.1016/j.msard.2013.12.004. Epub 2013 Dec 31. PMID: 25876475

Tziortzi AC, Haber SN, Searle GE, Tsoumpas C, Long CJ, **Shotbolt P**, et al
Connectivity-Based Functional Analysis of Dopamine Release in the Striatum Using Diffusion-Weighted MRI and Positron Emission Tomography.
Cereb Cortex. **2014 May**;24(5):1165-77. doi: 10.1093/cercor/bhs397. Epub 2013 Jan 2. . PMID: 23283687

Warboys CM, de Luca A, Amini N, Luong L, Duckles H, Hsiao S, White A, Biswas S, **Khamis R**, Chong CK, Cheung WM, Sherwin SJ, Bennett MR, Gil J, Mason JC, Haskard DO, Evans
PC.Disturbed flow promotes endothelial senescence via a p53-dependent pathway.
Arterioscler Thromb Vasc Biol. 2014 May;34(5):985-95. doi: 10.1161/ATVBAHA.114.303415. Epub 2014 Mar 20. PMID: 24651677

Comninou AN¹, Jayasena CN, Dhillon WS.
The relationship between gut and adipose hormones, and reproduction.
Hum Reprod Update. **2014 Mar-Apr**;20(2):153-74. doi: 10.1093/humupd/dmt033. Epub 2013 Oct 30.. PMID: 24173881

Gafson AR¹, Giovannoni G.
CCSVI-A. A call to clinicians and scientists to vocalise in an Internet age.
Mult Scler Relat Disord. **2014 Mar**;3(2):143-6. doi: 10.1016/j.msard.2013.10.005. Epub 2013 Oct 22. PMID: 25878001

Sharp DJ, **Scott G¹**, Leech R.
Network dysfunction after traumatic brain injury.
Nat Rev Neurol. **2014 Mar**;10(3):156-66. doi: 10.1038/nrneurol.2014.15. Epub 2014 Feb 11. PMID: 24514870

de Marvao A, **Dawes TJ**, et al
Population-based studies of myocardial hypertrophy: high resolution cardiovascular magnetic resonance atlases improve statistical power.
J Cardiovasc Magn Reson. **2014 Feb** 3;16:16. doi: 10.1186/1532-429X-16-16. PMID: 24490638

Jayasena CN, **Comninou AN**, **De Silva A**, et al
Effects of neurokinin B administration on reproductive hormone secretion in healthy men and women.
J Clin Endocrinol Metab. **2014 Jan**;99(1):E19-27. doi: 10.1210/jc.2012-2880. Epub 2013 Dec 20.
PMID: 24170109.

Jayasena CN, Nijher GM, Narayanaswamy S, **De Silva A**, et al
Age-dependent elevations in plasma kisspeptin are observed in boys and girls when compared with adults.
Ann Clin Biochem. **2014 Jan**;51(Pt 1):89-96. doi: 10.1177/0004563213485230. Epub 2013 Jul 18.**PMID: 23869023.**

Nicola J Kalk and Anne R Lingford-Hughes.
The clinical pharmacology of acamprosate.
Br J Clin Pharmacol. 2014 Feb; 77(2): 315–323.
Published online **2014 Jan 22**. doi: 10.1111/bcp.12070. **PMCID: PMC4014018**

Cutfield NJ, **Scott G**², Waldman AD, Sharp D2, Bronstein AM.
Visual and proprioceptive interaction in patients with bilateral vestibular loss.
Neuroimage Clin. **2014 Jan 4**;4:274-82. doi: 10.1016/j.nicl.2013.12.013. eCollection 2014.**PMID: 25061564**

Hellyer PJ, Shanahan M, **Scott G**, Wise RJ, Sharp DJ, Leech R.
The control of global brain dynamics: opposing actions of frontoparietal control and default mode networks on attention.
J Neurosci. **2014 Jan 8**;34(2):451-61. doi: 10.1523/JNEUROSCI.1853-13.2014.. **PMID: 24403145**

Winston, A, and **Vera, J.H.** (2014).
Can antiretroviral therapy prevent HIV-associated cognitive disorders?
Curr Opin HIV AIDS. **2014 Jan**;9(1):11-6. doi: 10.1097/COH.000000000000016.**PMID: 24275675.**

Shi W, Caballero J, Ledig C, Zhuang X, Bai W, Bhatia K, de Marvao AM, **Dawes T**³, et al
Cardiac image super-resolution with global correspondence using multi-atlas patchmatch.
Med Image Comput Comput Assist Interv. **2013**;16(Pt 3):9-16.**PMID: 24505738.**

R. Khamis, K. Woollard, S.H. Chang, D.W. Granger, J.J. Boyle, M. Johns, P.M. Matthews, D.O. Haskard.
The Near Infra-Red (NIRF) molecular imaging of oxidised LDL in atherosclerosis with the native autoantibody LO1, and its molecularly expressed cysteine-tagged Fab construct (LO1-Fab-cys).
European Heart Journal **2013**

R. Khamis, T. Batty, I. Wong, M. Johns, S. Thom, J. Mayet, A. Stanton, A.L. Hughes, D.O. Haskard.
Dissecting the protective IgG anti-malondialdehyde-LDL (MDA-LDL) antibody response in a substudy of the Anglo Scandinavian Cardiac Outcomes Trial (ASCOT).
European Heart Journal **2013**

R Khamis¹, K Woollard, D Granger, Shang-Hung Chang, J J Boyle, V M Johns, P M Matthews, D O Haskard.
YIA1: Imaging beyond the lumen: near infra-red in vivo molecular identification of oxidised ldl in atherosclerosis using mab lo1, and the generation and development of its molecularly expressed cysteine-tagged chimeric fab construct (lo1-fab-cys).
Heart **2013**;99:A4 doi:10.1136/heartjnl-2013-304019.268

Kalk NJ¹, Owen DR, Tyacke RJ, Reynolds R, Rabiner EA, Lingford-Hughes AR, Parker CA.
Are prescribed benzodiazepines likely to affect the availability of the 18 kDa translocator protein (TSPO) in PET studies?
Synapse. **2013 Dec**;67(12):909-12. doi: 10.1002/syn.21681. Epub 2013 Jun 8. PMID: 23666806.

Shalhoub, J, Oskrochi, Y, Davies, A, **Owen, D**.
Clinical Assessment of Carotid Atherosclerosis Inflammation by Positron Emission Tomography.
Curr Mol Med. **2013 Dec**;13(10):1646-52., PMID: 24206129.

Scott G¹, Presswood EJ, Makubate B, Cross F.
Lung sounds: how doctors draw crackles and wheeze.
Postgrad Med J. **2013 Dec**;89(1058):693-7. doi: 10.1136/postgradmedj-2012-131410. Epub 2013 Aug 2. PMID: 23912268

Colasanti A¹, Owen DR, Grozeva D, Rabiner EA, Matthews PM, Craddock N, Young AH.
Bipolar Disorder is associated with the rs6971 polymorphism in the gene encoding 18 kDa Translocator Protein (TSPO).
Psychoneuroendocrinology. **2013 Nov**;38(11):2826-9. doi: 10.1016/j.psyneuen.2013.07.007. Epub 2013 Aug 12. PMID: 23942012.

Guo Q, **Colasanti A, Owen DR**, et al
Quantification of the specific translocator protein signal of 18F-PBR111 in healthy humans: a genetic polymorphism effect on in vivo binding.
J Nucl Med. **2013 Nov**;54(11):1915-23. doi: 10.2PMID: 24071511967/jnumed.113.121020. Epub 2013 Sep 26. PMID: 24071511

Jayasena CN, **Comninou AN**, Nijher GM, Abbara A, **De Silva A**, et al
Twice-daily subcutaneous injection of kisspeptin-54 does not abolish menstrual cyclicity in healthy female volunteers.
J Clin Endocrinol Metab. **2013 Nov**;98(11):4464-74. doi: 10.1210/jc.2013-1069. Epub 2013 Sep 12. PMID: 24030945.

Orban C, McGonigle J, **Kalk NJ**, Erritzoe D, Waldman AD, Nutt DJ, Rabiner EA, Lingford-Hughes AR.
Resting state synchrony in anxiety-related circuits of abstinent alcohol-dependent patients.
Am J Drug Alcohol Abuse. **2013 Nov**;39(6):433-40. doi: 10.3109/00952990.2013.846348. PMID: 24200213.

Jayasena CN, **Comninou AN**, et al.
A single injection of kisspeptin-54 temporarily increases luteinizing hormone pulsatility in healthy women.
Clin Endocrinol (Oxf). **2013 Oct**;79(4):558-63. doi: 10.1111/cen.12179. Epub 2013 May 20.. PMID: 23452073.

Comley RA, Salinas CA, Slifstein M, Petrone M, Marzano C, Bennacef I, **Shotbolt P**, et al
Monoamine transporter occupancy of a novel triple reuptake inhibitor in baboons and humans using positron emission tomography.
J Pharmacol Exp Ther. **2013 Aug**;346(2):311-7. doi: 10.1124/jpet.112.202895. Epub 2013 May 17.. PMID: 23685546.

Corden B, Keenan NG, de Marvao AS, **Dawes TJ**, Decesare A, Diamond T, Durighel G, Hughes AD, Cook SA, O'Regan DP
Body fat is associated with reduced aortic stiffness until middle age.
Hypertension. **2013 Jun**;61(6):1322-7. doi: 10.1161/HYPERTENSIONAHA.113.01177. Epub 2013 Apr 22. PMID: 23608657

Jayasena CN, Modi M, Palazzo F, **De Silva A**, Donaldson M, Meeran K, Dhillon WS.
Associations of serum 25-hydroxyvitamin D with circulating PTH, phosphate and calcium in patients with primary hyperparathyroidism.
Clin Endocrinol (Oxf). **2013 Jun**;78(6):838-43. doi: 10.1111/cen.12062. Epub 2013 Apr 1., PMID: 23036072.

Mora-Peris B, Croucher A, Else LJ, **Vera JH**, Khoo S, Scullard G, Back D, Winston A.
Pharmacokinetic profile and safety of 150 mg of maraviroc dosed with 800/100 mg of darunavir/ritonavir all once daily, with and without nucleoside analogues, in HIV-infected subjects.
J Antimicrob Chemother. **2013 Jun**;68(6):1348-53. doi: 10.1093/jac/dkt006. Epub 2013 Jan 30. **PMID: 23364475.**

Tan TM, Field BC, McCullough KA, Troke RC, Chambers ES, Salem V, Gonzalez Maffe J, Baynes KC, **De Silva A**, et al
Coadministration of glucagon-like peptide-1 during glucagon infusion in humans results in increased energy expenditure and amelioration of hyperglycemia.
Diabetes. **2013 Apr**;62(4):1131-8. doi: 10.2337/db12-0797. Epub 2012 Dec 17. **PMID: 23248172.**

Stokes PR, Benecke A, Myers J, Erritzoe D, Watson BJ, **Kalk N**, Barros DR, Hammers A, Nutt DJ, Lingford-Hughes AR.
History of cigarette smoking is associated with higher limbic GABAA receptor availability.
Neuroimage. **2013 Apr** 1;69:70-7. doi: 10.1016/j.neuroimage.2012.12.010. Epub 2012 Dec 14. **PMID: 23247185**

Owen, D.R¹, Rupprecht, R., and Nutt, D.J
Stratified medicine in psychiatry: a worrying example or new opportunity in the treatment of anxiety?
J Psychopharmacol. **2013 Feb**;27(2):119-22. doi: 10.1177/0269881112443746. Epub 2012 Apr 20.. **PMID: 22522972.**

Stokes PR, **Shotbolt P**, Mehta MA, Turkheimer E, Benecke A, Copeland C, Turkheimer FE, Lingford-Hughes AR, Howes OD.
Nature or nurture? Determining the heritability of human striatal dopamine function: an [18F]-DOPA PET study.
Neuropsychopharmacology. **2013 Feb**;38(3):485-91. doi: 10.1038/npp.2012.207. Epub 2012 Oct 24 **PMID: 23093224.**

Pike VW, Taliani S, Lohith TG, **Owen DR**, et al
Evaluation of Novel N1-Methyl-2-phenylindol-3-ylglyoxylamides as a New Chemotype of TSPO-Selective Ligand Suitable for the Development of PET Radioligands.
J Med Chem. 2011 **Jan 13**;54(1):366-73. doi: 10.1021/jm101230g. Epub 2010 Dec 6. **PMID: 21133364.**

Vera JH¹, Naous N, Mackie N, Winston A, Cooke G.
The safety of flucloxacillin in HIV-infected patients with positive HLA-B*5701 genotype.
AIDS. **2013 Jan** 28;27(3):484-5. doi: 10.1097/QAD.0b013e32835a9a0d. **PMID: 23032409**

Colasanti A¹, Esquivel G, Schruers KJ, Griez EJ.
On the psychotropic effects of carbon dioxide.
Curr Pharm Des. **2012**;18(35):5627-37. **PMID: 22632467**

De Silva, A¹, Salem, V., Matthews, P.M., and Dhillon, W.S.
The use of functional MRI to study appetite control in the CNS.
Exp Diabetes Res. **2012**;2012:764017. doi: 10.1155/2012/764017. Epub 2012 May 8.. **PMID: 22719753.**

Ramzi Khamis¹; Michael Johns; Simon Thom; Jamil Maye2; Alice Stanton; Alun Hughes; Dorian Haskard.
Abstract 11896: The ASCOT Anti-oxidised LDL Antibodies Substudy, IgG Anti-malondialdehyde-IgG Antibodies are Independent Predictors of Protection From Cardiovascular Events in a Substudy of the Anglo-scandinavian Cardiac Outcomes Trial.
American Heart Association. **2012**

Ramzi Khamis¹; Shang-Hung Chang; Joseph Boyle; Colin Bicknell; Michael Johns; Dorian O Haskard.
Abstract 15370: The Development of LO1, a Novel IgG Monoclonal Natural Antibody, for the Near Infra-Red (NIRF) Imaging of Oxidised LDL in Atherosclerosis.

American Heart Association. **2012**

Scott G¹, Presswood E.

Case report of E.PMID: 23249665T.--the extra-terrestrial.

BMJ. **2012 Dec** 18;345:e8127. doi: 10.1136/bmj.e8127. PMID: 23249665

Colasanti A¹, et al.

Endogenous opioid release in the human brain reward system induced by acute amphetamine administration.

Biol Psychiatry. **2012 Sep** 1;72(5):371-7. doi: 10.1016/j.biopsych.2012.01.027. Epub 2012 Mar 3.**PMID: 22386378.**

Gaemperli O, Shalhoub J, **Owen DR**, Lamare F, Johansson S, Fouladi N, Davies AH, Rimoldi OE, Camici PG.

Imaging intraplaque inflammation in carotid atherosclerosis with 11C-PK11195 positron emission tomography/computed tomography.

Eur Heart J. **2012 Aug**;33(15):1902-10. doi: 10.1093/eurheartj/ehr367. Epub 2011 Sep 19.. **PMID: 21933781**

Vera JH¹, Garvey LJ, Allsop JM, Kaye S, McClure MO, Back D, Taylor-Robinson SD, Winston A. Alterations in cerebrospinal fluid chemokines are associated with maraviroc exposure and in vivo metabolites measurable by magnetic resonance spectroscopy.

HIV Clin Trials. **2012 Jul-Aug**;13(4):222-7. doi: 10.1310/hct1304-222.**PMID: 22849963**

Dawes T, Alexiou A.

Limited pre-operative echocardiography: are the limitations justified?

Anaesthesia. **2012 Jul**;67(7):793-4; author reply 795-6. doi: 10.1111/j.1365-2044.2012.07180.x.**PMID: 22670736**

Vera JH¹, Hill SC, Rubinstein L.

Bacille Calmette-Guerin disease following Bacille Calmette-Guerin vaccination of an HIV-infected health-care worker.

Int J STD AIDS. **2012 Jul**;23(7):e1-2. doi: 10.1258/ijsa.2009.009393.**PMID: 22844017**

Jayasena CN, **Comninou AN**, Januszewski A, Gabra H, Taylor A, Harvey RA, Ghatei MA, Bloom SR, Dhillo WS.

Plasma kisspeptin: a potential biomarker of tumor metastasis in patients with ovarian carcinoma.

Clin Chem. **2012 Jun**;58(6):1061-3. doi: 10.1373/clinchem.2011.177667. Epub 2012 Mar 14.**PMID: 22419748**

Kalk, N.J¹, et al

Central noradrenergic responsiveness to a clonidine challenge in Generalized Anxiety Disorder: a Single Photon Emission Computed Tomography study.

J Psychopharmacol. **2012 Apr**;26(4):452-60. doi: 10.1177/0269881111415730. Epub 2011 Sep 17.. **PMID: 21926422**

Myers JF1, Rosso L, Watson BJ, Wilson SJ, **Kalk NJ**, Clementi N, Brooks DJ, Nutt DJ, Turkheimer FE, Lingford-Hughes AR.

Characterisation of the contribution of the GABA-benzodiazepine alpha1 receptor subtype to [(11)C]Ro15-4513 PET images.

J Cereb Blood Flow Metab. **2012 Apr**;32(4):731-44. doi: 10.1038/jcbfm.2011.177. Epub 2012 Jan 4.**PMID: 22214903**

Chang SH, Johns M, Boyle JJ, McConnell E, Kirkham PA, Bicknell C, Zahoor-ul-Hassan Dogar M, Edwards RJ, Gale-Grant O, **Khamis R**, Ramkhalawon KV, Haskard DO. Model

IgG monoclonal autoantibody-anti-idiotypic pair for dissecting the humoral immune response to oxidized low density lipoprotein.

Hybridoma (Larchmt). **2012 Apr**;31(2):87-98. doi: 10.1089/hyb.2011.0058.**PMID: 22509912**

Guo, Q., **Owen, D.R.**, Rabiner, E.A., Turkheimer, F.E., and Gunn, R.N.

Identifying improved TSPO PET imaging probes through biomathematics: the impact of multiple TSPO binding sites in vivo.

Neuroimage. **2012 Apr** 2;60(2):902-10. doi: 10.1016/j.neuroimage.2011.12.078. Epub 2012 Jan 10.**PMID: 22251896**

Vera JH¹, Walker AE, Kinderlerer A, Cooke GS.

Transient bone marrow oedema syndrome in an HIV-infected patient on highly active antiretroviral therapy.

Int J STD AIDS. **2012 Mar**;23(3):213-5. doi: 10.1258/ijisa.2009.009358.PMID: 22581878

Carhart-Harris RL, Erritzoe D, Williams T, Stone JM, Reed LJ, **Colasanti A**, et al
Neural correlates of the psychedelic state as determined by fMRI studies with psilocybin.
Proc Natl Acad Sci U S A. **2012 Feb** 7;109(6):2138-43. doi: 10.1073/pnas.1119598109. Epub 2012 Jan 23.PMID: 22308440

De Silva, A¹, and Bloom, S.R.

Gut Hormones and Appetite Control: A Focus on PYY and GLP-1 as Therapeutic Targets in Obesity.
Gut Liver. **2012 Jan**;6(1):10-20. doi: 10.5009/gnl.2012.6.1.10. Epub 2012 Jan 12. PMID: 22375166

Salem, V., **De Silva, A.**, Matthews, P.M., and Dhillo, W.S.

Imaging the neuroendocrinology of appetite.
Adipocyte. **2012 Jan** 1;1(1):68-72.. PMID: 23700513

Owen DR¹, et al

An 18-kDa translocator protein (TSPO) polymorphism explains differences in binding affinity of the PET radioligand PBR28.

J Cereb Blood Flow Metab. **2012 Jan**;32(1):1-5. doi: 10.1038/jcbfm.2011.147. Epub 2011 Oct 19.. PMID: 22008728

Shotbolt P¹, Tziortzi AC, Searle GE, **Colasanti A**, et al

Within-subject comparison of [(11)C]-(+)-PHNO and [(11)C]raclopride sensitivity to acute amphetamine challenge in healthy humans.

J Cereb Blood Flow Metab. **2012 Jan**;32(1):127-36. doi: 10.1038/jcbfm.2011.115. Epub 2011 Aug 31.. PMID: 21878947

Owen, D.R¹, Lindsay, A.C., Choudhury, R.P., and Fayad, Z.A.

Imaging of atherosclerosis.
Annu Rev Med. **2011**;62:25-40. doi: 10.1146/annurev-med-041709-133809.PMID: 21226610

Owen, D.R¹, and Matthews, P.M.

Imaging brain microglial activation using positron emission tomography and translocator protein-specific radioligands.

Int Rev Neurobiol. **2011**;101:19-39. doi: 10.1016/B978-0-12-387718-5.00002-X. PMID: 22050847

Zac-Varghese, S., **De Silva, A.**, and Bloom, S.R.

Translational studies on PYY as a novel target in obesity.

Curr Opin Pharmacol. **2011 Dec**;11(6):582-5. doi: 10.1016/j.coph.2011.10.001. Epub 2011 Oct 21.. PMID: 22019565

Shalhoub, J., Monaco, C., **Owen, D.R.**, Gauthier, T., Thapar, A., Leen, E.L., and Davies, A.H

Late-phase contrast-enhanced ultrasound reflects biological features of instability in human carotid atherosclerosis.

Stroke. **2011 Dec**;42(12):3634-6. doi: 10.1161/STROKEAHA.111.631200. Epub 2011 Sep 29.. PMID: 21960570

Colasanti, A¹, Rabiner, E.A., Lingford-Hughes, A., and Nutt, D.J.

Opioids and anxiety.

J Psychopharmacol. **2011 Nov**;25(11):1415-33. doi: 10.1177/0269881110367726. Epub 2010 Jun 8.. PMID: 20530588

De Silva A¹, et al

The gut hormones PYY 3-36 and GLP-1 7-36 amide reduce food intake and modulate brain activity in appetite centers in humans.

Cell Metab. **2011 Nov** 2;14(5):700-6. doi: 10.1016/j.cmet.2011.09.010. Epub 2011 Oct 13.PMID: 22000927

Shotbolt P¹, Stokes PR, Owens SF, Touloupoulou T, Picchioni MM, Bose SK, Murray RM, Howes OD.
Striatal dopamine synthesis capacity in twins discordant for schizophrenia.
Psychol Med. **2011 Nov**;41(11):2331-8. doi: 10.1017/S0033291711000341. Epub 2011 Mar 22.
PMID: 21426628

Newbould RD, **Owen DR**, Shalhoub J, Brown AP, Gambarota G..
Motion Sensitized Driven Equilibrium for Blood-Suppressed T2* Mapping
J Magn Reson Imaging. **2011 Sep**;34(3):702-9. doi: 10.1002/jmri.22664. Epub 2011 Jul 18., PMID:
21769964

Watson BJ, Wilson S, Griffin L, **Kalk NJ**, Taylor LG, Munafò MR, Lingford-Hughes AR, Nutt DJ.
A pilot study of the effectiveness of D-cycloserine during cue-exposure therapy in abstinent alcohol-dependent subjects.
Psychopharmacology (Berl). **2011 Jul**;216(1):121-9. doi: 10.1007/s00213-011-2199-2. Epub 2011 Feb 12. PMID: 21318564

Colasanti A¹, Esquivel G, den Boer E, Horlings A, Dandachi A, Oostwegel JL, van Donkelaar EL, Griez EJ, Schruers K.
Effects of tryptophan depletion and tryptophan loading on the affective response to high-dose CO2 challenge in healthy volunteers.
Psychopharmacology (Berl). **2011 Jun**;215(4):739-48. doi: 10.1007/s00213-011-2177-8. Epub 2011 Feb 19.. PMID: 21336580.

Owen DR¹, Lewis AJ, Reynolds R, Rupprecht R, Eser D, Wilkins MR, Bennacef I, Nutt DJ, Parker CA.
Variation in binding affinity of the novel anxiolytic XBD173 for the 18 kDa translocator protein in human brain.
Synapse. **2011 Mar**;65(3):257-9. doi: 10.1002/syn.20884. PMID: 21132812

Owen, D.R¹., Piccini, P., and Matthews, P.M.
Towards molecular imaging of multiple sclerosis.
Mult Scler. **2011 Mar**;17(3):262-72. doi: 10.1177/1352458510390070. Epub 2011 Jan 6.. PMID:
21212087

Schruers K, Esquivel G, van Duinen M, Wichers M, Kenis G, **Colasanti A**, et al
Genetic moderation of CO2-induced fear by 5-HTTLPR genotype.
J Psychopharmacol. **2011 Jan**;25(1):37-42. doi: 10.1177/0269881110372543. Epub 2010 Jun 28. PMID: 20584994.

Hood SD, Melichar JK, Taylor LG, **Kalk N**, Edwards TR, Hince DA, Lenox-Smith A, Lingford-Hughes AR, Nutt DJ.
Noradrenergic function in generalized anxiety disorder: impact of treatment with venlafaxine on the physiological and psychological responses to clonidine challenge.
J Psychopharmacol. **2011 Jan**;25(1):78-86. doi: 10.1177/0269881109359099. Epub 2010 Jan 21..
PMID: 20093317

Kalk, N.J¹., Nutt, D.J., and Lingford-Hughes, A.R.
The role of central noradrenergic dysregulation in anxiety disorders: evidence from clinical studies.
J Psychopharmacol. **2011 Jan**;25(1):3-16. doi: 10.1177/0269881110367448. Epub 2010 Jun 8. PMID:
20530586

Owen DR¹, et al
Mixed-affinity binding in humans with 18-kDa translocator protein ligands.
J Nucl Med. **2011 Jan**;52(1):24-32. doi: 10.2967/jnumed.110.079459. Epub 2010 Dec 13.. PMID:
21149489

Lingford-Hughes, A., Watson, B., **Kalk, N.**, and Reid, A.
Neuropharmacology of addiction and how it informs treatment.
Br Med Bull. **2010**;96:93-110. doi: 10.1093/bmb/ldq032. Epub 2010 Nov 2. PMID: 21044987

Owen DR¹, et al

Two binding sites for [3H]PBR28 in human brain: implications for TSPO PET imaging of neuroinflammation.

J Cereb Blood Flow Metab. **2010 Sep**;30(9):1608-18. doi: 10.1038/jcbfm.2010.63. Epub 2010 Apr 28. PMID: 20424634

Abdul-Salam VB, Ramrakha P, Krishnan U, **Owen DR**, et al

Identification and assessment of plasma lysozyme as a putative biomarker of atherosclerosis.

Arterioscler Thromb Vasc Biol. **2010 May**;30(5):1027-33. doi: 10.1161/ATVBAHA.109.199810. Epub 2010 Feb 18.. PMID: 20167661

Owen DR¹, Shalhoub J, Miller S, Gauthier T, Doryforou O, Davies AH, Leen EL.

Inflammation within carotid atherosclerotic plaque: assessment with late-phase contrast-enhanced US.

Radiology. **2010 May**;255(2):638-44. doi: 10.1148/radiol.10091365.. PMID: 20413774 May 2010

Shalhoub J, **Owen DR**, Gauthier T, Monaco C, Leen EL, Davies AH.

The use of contrast enhanced ultrasound in carotid arterial disease.

Eur J Vasc Endovasc Surg. **2010 Apr**;39(4):381-7. doi: 10.1016/j.ejvs.2009.12.011. Epub 2010 Jan 8., PMID: 20060758.