

CURRICULUM VITAE

NAME: David John NUTT

DATE OF BIRTH: 16 April 1951

NATIONALITY: British

MARITAL STATUS: Married Four children

PRESENT POSITION:

The Edmond J Safra Chair in Neuropsychopharmacology
Director Neuropsychopharmacology Unit
Centre for Pharmacology and Therapeutics
Division of Experimental Medicine
Dept of Medicine
Imperial College London
Burlington-Danes Building
Hammersmith Hospital
Du Cane Rd
London
W12 0NN
d.nutt@imperial.ac.uk
PA Margaret Collett; m.collett@imperial.ac.uk
Phone +44 207 5947047
Mobile +447590250428
Fax + 442075946548

Immediate Past Position until August 2009

Professor of Psychopharmacology, University of Bristol
Director, Psychopharmacology Unit, University of Bristol
Honorary Consultant Psychiatrist, United Bristol Healthcare Trust
Head of Department of Community Based Medicine

SCHOOL: Bristol Grammar School

UNIVERSITY:

1969 - 1972 Downing College, Cambridge - Open Scholarship
1972 - 1975 Guy's Hospital, London

QUALIFICATIONS:

1972	BA (Cantab)
1975	MB BChir (Cantab)
1977	MRCP (London)
1981	MA, MB, BChir (Oxon) (by Incorporation).
1982	DM (Oxon)
1983	MRCPsych (UK)
1994	FRCPsych (UK)
2002	FMedSci
2002	FRCP
2012	FSB

GENERAL MEDICAL COUNCIL REGISTRATION 2251774

POSITIONS HELD:

1969	Technician, Dr A Rogers, Physiology Dept, Bristol University
1975	House Physician, Guy's Hospital
1976	House Surgeon, Royal Sussex County Hospital, Brighton
1976	Senior House Officer, Dermatology, Guy's Hospital
1977	Senior House Officer, Neurology, St. Mary's Hospital, Paddington
1978	Senior House Officer, Psychiatry, Guy's Hospital
1978-1982	Clinical Scientist in the MRC Unit of Clinical Pharmacology, Radcliffe Infirmary, Oxford (Professor D G Grahame-Smith).
1982-1983	Registrar in Psychiatry on the Oxford Rotational Training Scheme.
1983-1985	Lecturer in Psychiatry, University of Oxford, attached to the Psychopharmacology Research Unit, Littlemore Hospital, Oxford.
1985-1986	Wellcome Senior Fellow in Clinical Science; University Department of Psychiatry, Warneford Hospital, Oxford. Honorary Consultant Psychiatrist.
1986-1988	Fogarty Visiting Scientist NIH and Chief of the Section of Clinical Science, National Institute on Alcohol Abuse and Alcoholism, Bethesda, Maryland.
1988-date	Director, Psychopharmacology Unit, University of Bristol; Senior Research Fellow in Pharmacology and in Mental Health; Honorary Consultant Psychiatrist, United Bristol Healthcare Trust.
1994-date	Professor of Psychopharmacology, University of Bristol
1996-1997	Head, Division of Psychiatry, University of Bristol
1997-2003	Head of Department of Clinical Medicine
2000-2003	Dean of Clinical Medicine and Dentistry
2003-date	Head of the Department of Community Based Medicine

AWARDS & PRIZES:

1969-1975	Saunders Open Scholarship
1969-1975	Christchurch & Bushmills Scholarships
1971	Badminton "Blue"
1972	JCR President Downing College
1972-1975	Clinical Prizes: First Clinical Prize Guys Hospital: Gillespie Prize in Psychiatry Gilbert Prize in Rheumatology Dermatology Prize Beany Prize in Pathology
1972-1975	University "Purple" and Captain of Badminton, London University
1975	Mental Health Trust Essay Competition: "The Significance of Life Changes in the Development of Illness"
1984	Royal College of Psychiatrists Research Prize, Proxime Accessit: "The experimental pharmacology of anxiety: New concepts of benzodiazepine receptor function"
2009	Daily Telegraph Briton of the year – top 25
2009	2 nd (to Banksy) as Bristolian of the year
2010	79 th place in The Times list of 100 most influential figures in UK science

COLLEGE APPOINTMENT:

1983-1988	Research Fellow in Medical Sciences, Corpus Christi College, Oxford
-----------	---

LEARNED SOCIETIES: by examination or election

Royal College of Physicians
Royal College of Psychiatrists

British Association for Psychopharmacology – Past President (BAP)
 European College of Neuro-Psychopharmacology (ECNP) – President 2007-2010
 Collegium Internationale Neuro-Psychopharmacologicum (CINP)
 British Pharmacological Society (BPS)
 Society of Biological Psychiatry
 American Society for Clinical Pharmacology and Therapeutics

OTHER RELATED RESEARCH ACTIVITIES

JOURNALS:

Editor:- Journal of Psychopharmacology since 1989
Editorial Boards:- Journal of Biological Society, International Clinical Psychopharmacology, International Journal of Psychiatry in Clinical Practice, Anxiety, European Journal of Pharmacology, Addiction Biology, Human Psychopharmacology, Alcohol and Alcoholism, Practical Issues in Mood and Anxiety Disorders, Depression and Anxiety Spectrum Internet Site
Regular Reviewer:- European Journal of Pharmacology, Archives of General Psychiatry, British Journal of Psychiatry, Biological Psychiatry, The Lancet, Psychiatric Research, Psychopharmacology and Neuropharmacology

UNIVERSITY OF BRISTOL:

Member of the scientific committee of the Molecular Recognition Centre	1989-1993
Member of the scientific committee of the Transplantation Sciences URC	1998-2002
Member of the Fitness to Practice Committee	1998- 2003

OTHER UNIVERSITY AWARDS

Visiting Professor University of Maastricht	2004-date
Visiting Professor Imperial College University of London	2006 -2011
Visiting Professor University of Otago, New Zealand	2004-2008
Raine visiting professor, University of Western Australia	2006

ROYAL COLLEGE OF PSYCHIATRY:

Basic Sciences Exam Committee (Part II)	1990-date
Psychopharmacology Sub-Committee	1994-1997
Steering group of Biological Psychiatry Special Interest Group	1996- 2000

MRC

Subcommittee for site visit - Institute of Psychiatry	1991
Neuroscience Approach to Mental Health steering group	1992-1993
Addiction Field Review working party	1992-94
Neuroscience Project Grant Committee	1993-1997
Alcohol Treatment Research Working Group	1994
Suicide and Parasuicide Review Panel	1994
Neuroscience Advisory Board	1998-2005
Neuroscience and Mental Health Board	2006 -2009
Lead (with Robbins Cambridge) MRC ICCAM research cluster in Addiction	2009-2012
Addiction Initiative Stakeholder group	2009-2012

ESRC

UK Psychology Benchmarking Review Steering Group Member	2010
---	------

GOVERNMENT RESPONSIBILITIES**Home office**

Advisory Council on the Misuse of Drugs	1996-2008
Chair: Advisory Council on the Misuse of Drugs	2008 -2009
Chair of Technical Committee, ACMD	2000-2008
Cross departmental research group	2008
Home Office Scientific Advisory Committee	2008

Science and technology/ DTI/OSI

Parliamentary Office of Science and Technology 'Soft' Drugs Steering Committee	1995-1999
Scientific Lead DTI Foresight Program "Brain Science Addiction and Drugs"	2003-2005

Dept of health

Advisory Committee on NHS Drugs	1995-2000
British National Formulary (BNF) Adviser	2000-date
Committee on Safety of Medicines	2000-2005
NICE reviewer for depression, panic and social anxiety disorders and the Z-drug hypnotics	1999-date

Ministry of Defence

Consultant	1990 - 2004
Member Defence Sciences Advisory Council - DSAC	2005- 2007

Parliamentary evidence

To House of Lords committee on cannabis	2000
Home Affairs committee on drugs	2004
Evidence to All part drugs interest group	2005
Evidence to the Select Committee on Science and Technology; Scientific Advice, Risk and Evidence: Cocaine and related drugs	2006 2009

MISCELLANEOUS:

Police Foundation	1997-2000
UBHT - Medicines Advisory committee	1993-2000
UBHT - Medical Research committee	1993-1997
District psychiatric training committee	1993-2000
External Examiner, University of Birmingham	1994-1997
British Pharmacological Society, Clinical Pharmacology Section Expert	1996-date
British Association of Psychopharmacology - President	2000-2001
Trustee of the Sir Robert Mond Memorial Trust	1998-2004
BBSRC Functional Imaging Course Board Member	1999-2001

INTERNATIONAL POSITIONS

Faculty Member, European Certificate in Anxiety Disorder	1993-1995
Director of the European Certificate of Affective disorders course	1995-date
CINP International Scientific Program Committee member	1996-1998
CINP Nominating Committee member	1996-1998
ECNP Council Member	1998-date

ECNP President	2007 - 2010
World Psychiatric Association, Co-Chair Section on Biological Psychiatry	1999-2001
Member of the EC Working Party on PET and SPECT ligands	1992
Council member European Brain Council	2007 –2011
ACNP invited presentations 1994, 1998, 2000. 2002, 2005	
Lead METPETS – a research scheme as part of the EuroBio Forum	2008
Adviser Grand Challenges in Mental Health	2010
Advisor to Swedish government review on drug alcohol and tobacco research	2011-2012
EU scientific committee for Month of the Brain 2013	2012-2013

Current positions

Vice-president European Brain Council	2011-2014
President British Neuroscience Association	2011-2013
Chair Independent Scientific Committee on Drugs	2010 - on
Chair London joint working group on Drug Abuse and hepatitis C	2009 - on

Refereeing for grants and fellowships: MRC, BBSRC, ESRC, Wellcome Trust, The Netherlands MRC, NIHR, INSERM, German-Israel research fund, NIH

Research and consulting for pharma companies: I have received research grants from a number of companies [Investigator initiated grants] including MSD, SKB, Organon, Wyeth, BMS, Lundbeck. In addition my group has acted as a study site for a number of clinical trials of new treatments in anxiety, depression, sleep and addiction, with me as a named investigator, sometimes as national PI. I also have acted as a consultant/advisory board member to many companies including AZ, Actelion, Bionomics, GSK (SKB), Hythiam, Johnson & Johnson, Lundbeck, MSD, Neurogen, Organon, Pfizer, Schering-Plough, Wyeth, Yamanuchi.

SUPERVISION OF RESEARCH STUDENTS:

	Date completed
S Taylor DPhil (Oxon, with Dr Little)	1984
C Gleiter PhD (Tubigen)	1989
T Wolinski PhD (New York University)	1989
A McDermott PhD (London, CASE with Dr Wilkin)	1991
P Glue MD (Bristol)	1992
C Watson PhD (Nottingham, CASE with Dr Bennett)	1992
N French PhD (Strathclyde, CASE with Dr Pratt)	1993
S Jordan PhD (Aston, CASE with Dr Hanley)	1993
A Hudson PhD (Bristol)	1994
A Weinstein PhD (Bristol)	1994
L Lione PhD (CASE, with SmithKline Beecham)	1997
N Coupland MD (Bristol)	1998
A Malizia (MD)	1998
S Wilson PhD (Bristol)	1999
M Lalies PhD (Bristol)	1999
H Crofts PhD (with Dr Sue Wilson)	1999
C Parker PhD {with Dr Alan Hudson}	1999
C Bryce PhD (with Prof Smith, Psychology)	1999
E Robinson PhD {with Dr Alan Hudson}	1999
D Finn PhD (Bristol) {with Dr Alan Hudson}	2000
J Potokar MD (Bristol)	2000
R Price PhD (Bristol) {with Dr Alan Hudson}	2002
T Wright PhD (with Prof Smith, Psychology)	2002

C Bell MD (Bristol)	2003
N Muggleton PhD [with Dr Sue Wilson]	2003
M Edwards PhD {with Dr Alan Hudson}	2003
T Mazarkis PhD [with Dr Sue Wilson]	2004
S Argyropoulos MD (Bristol)	2004
J Melichar MD (Bristol)	2004
R Hayward [with Dr Lingford – Hughes]	2004
D Slattery PhD {with Dr Alan Hudson}	2003
G Jackson PhD {with Dr Alan Hudson}	2004
A Kimura PhD {with Dr Alan Hudson}	2004
L Paterson PhD {with Dr Alan Hudson}	2004
N Anderson PhD {with Dr Alan Hudson}	2005
J Man PhD {with Dr Alan Hudson}	2006
M Daglish MD [with Dr Lingford-Hughes]	2009
H Abou Gazaleh PhD [With Dr Alan Hudson]	2008
J Hicks MD [with Dr Sue Wilson]	2009
A Papadopolous PhD [with Prof Hans Ruel]	2010
R Cahart-Harris PhD [with Dr Sue Wilson]	2009
T Williams MD [with Anne Lingford-Hughes]	2010
D Quelch [with Dr Christine Parker]	2012

MAJOR INVITED LECTURES – UK unless specified

- 2000 “Imaging and imagination in anxiety” The Wyeth Lecture, University of Cambridge
- 2001 “Brain imaging of anxiety disorders” CINP Regional Meeting, Hiroshima, Japan
- 2002 “Addiction” Keynote lecture, ECNP Regional meeting, Bucharest, Romania
- 2002 “Anxiety disorders” Springfield Lecture, Chichester
- 2006 Jelgersmalezingen Lecture, Leiden
- 2008 Czech Neuropharmacology society - 50th anniversary meeting
- 2008 International Anxiety Congress, Brazil
- 2009 Eve Saville Lecture: Centre for Crime and Justice studies King’s College
- 2010 Parliamentary Science Group
- 2010 Plenary Italian Society for Neuropsychopharmacology
- 2010 Wade lecture – Royal N Staffs hospital
- 2011 RCGP national addiction conference
- 2011 RCPsych international conference Brighton
- 2011 Royal National Services institute
- 2011 Oxford Sherrington Society
- 2011 Queen Sqr Postgrad society – annual guest lecture
- 2011 Cambridge university Zangwill club
- 2012 National GP Psychiatry conference, Harrogate
- 2012 Doll Centre Oxford
- 2012 Annual Bodington lecture University of Leeds
- 2012 Annual Gale lecture SW College of General Practitioners
- 2012 Cambridge Society for Applied Research
- 2012 Annual Monica Faulks lecture Oxford
- 2012 Trinity College Cambridge Science society
- 2012 Euroscience Festival, Dublin
- 2102 UCL psychology society
- 2012 BNA lecture at UCL annual neuroscience conference
- 2012 Oxford university scientific society
- 2012 Royal College of Psychiatry International Meeting

2012 CINP Stockholm
2012 Annual meeting of Psychiatric Pharmacists
2012 Annual Hewlett –Packard lecture
2012 International Society of Addiction Medicine, Geneva
2012 BBC Science and Media Course
2012 Google labs
2013 Scandinavian Neuropsychopharmacology Society, Copenhagen

INVITED OVERSEAS VISITS

1989 National Institute of Alcohol and Alcoholism, Bethesda, USA
1992 Society for Neuroscience visiting lecturer; St Johns University, Newfoundland, Canada
2004 Bank of Otago Visiting Professor, University of Canterbury, New Zealand
2006 Raine Visiting Professor University of Perth Australia
2008 Margaret Black Visiting Professor University of Canterbury, New Zealand

Official reports and books

Drugs and the Law: Report of the Independent Inquiry into the Misuse of Drugs Act 1971. Members of Inquiry: Viscountess Runciman (Chairman), A Chesney, R Fortson, J Hamilton PQPM, S Jenkins, A Maynard, L G Murray, DJ Nutt, D O'Connor QPM, G Pearson, I Wardle, B Williams, A Zera. Report published in 2000.

Advisory Council on the Misuse of Drugs (2002) The Classification of Cannabis under the Misuse of Drugs Act 1971. London: Home Office.

Nutt DJ and Nash J 2002 Cannabis- an update. Home Office publications
http://www.drugs.gov.uk/ReportsandPublications/Communities/1034165905/Cannabis_update_1999to2002.pdf

Nutt DJ and Williams T 2004 Ketamine – an update <http://www.drugs.gov.uk/ReportsandPublications>

Williams T and Nutt DJ 2005 – Khat (qat): assessment of risk to the individual and communities in the UK – Home Office on-line publication <http://drugs.homeoffice.gov.uk>

Rawlins M et al 2005 Further considerations of the classification of cannabis under the Misuse of Drugs Act 1971

Rawlins M et al 2008 Cannabis; classification and public health. Home Office on line publication
<http://drugs.homeoffice.gov.uk/publication-search/acmd/acmd-cannabis-report-2008>

Nutt DJ et al (2009) MDMA (ecstasy): A review of its harms and classification under Misuse of Drugs Act 1971 <http://drugs.homeoffice.gov.uk/publication-search/acmd/acmd-MDMA-report-2009>

EMCDDA monograph 2009. Addiction neurobiology: ethical and social implications
<http://www.emcdda.europa.eu/publications/monographs/neurobiology> ISBN 978–92–9168–347–5 doi: 10.2810/48676

ISCD publication 2011. A minimum data set for the control of new drugs
<http://drugscience.org.uk/minimumdataset.html>

Parliamentary evidence

To House of Lords committee on cannabis – 2000

Home affairs committee on drugs – 2004

Evidence to All part drugs interest group 2005

Rawlins M and Nutt DJ Advisory Council on the Misuse of Drugs: Evidence to the Select Committee on Science and Technology; Scientific Advice, Risk and Evidence: How the Government Handles them March 2006

To Home Affairs Select Committee on the Drug laws June 2012

Books

1. Sarter M., Nutt DJ., Lister, RG. (1994) Inverse agonists. John Wiley and Sons 1-304; i-x
2. Nutt, DJ & Mendelson, WB. (1995) Hypnotics and Anxiolytics. Baillière's Clinical Psychiatry. Ed. Byres, C. Baillière's Tindall Ltd, London 1-509; i-ix
3. Nutt, DJ., Bell CJ., Potokar J. (1997) Depression, Anxiety and mixed Conditions. Martin Dunitz Publishers, London 1-72
4. Nutt, DJ., Ballenger, JC., Lépine, JP. (1998) Panic disorder: clinical diagnosis and treatment. Martin Dunitz Publishers, London 1-237, i-ix
5. Nutt, DJ., Argyropoulos, S., Forshall, S. (1998) Generalized anxiety disorder: diagnosis, treatment and its relationship to other anxiety disorders. Martin Dunitz Publishers, London, pp: 1-97
6. Shiloh, R., Nutt, DJ., Weizman, A. (1999) Atlas of Psychiatric Pharmacotherapy. Martin Dunitz Publishers, London 1-235, i-ix. ISBN 1-85317-630-3
7. Briley, M & Nutt, DJ. (2000) Milestones in Drug Therapy: Anxiolytics. Birkhäuser Verlag, Basel, Switzerland 1-181, i-ix. ISBN3-7643-6032-1
8. Nutt, DJ., Davidson, J., Zohar, J. (2000) Post traumatic stress disorder: diagnosis, management and treatment. Martin Dunitz Publishers, London 1-260, ISBN 1-85317-926-4
- second edition in preparation for 2008
9. Nutt, DJ., Hood, SE., Argyropoulos, SV (2000) Clinician's manual on anxiety disorder and comorbid depression. Science Press, London 1-56. ISBN 1-85873-397-9
10. Griez, E.J.L., Faravelli, C., Nutt, DJ., Zohar, J. (2001) Anxiety disorders: an introduction to clinical management and research. John Wiley & Sons Ltd, Sussex 1-380, i-xxii. ISBN 0-471-97873-6
11. Nutt, DJ., Bell, C., Masterson, C., Short, C. (2001) Mood and anxiety disorders in children and adolescents. Martin Dunitz Limited, London 1-110, i-viii. ISBN 1-85317-924-8
12. Nutt DJ, Feeney A, Argyropoulos S. (2002) Anxiety disorders comorbid with depression: panic disorder and agoraphobia. Martin Dunitz Limited, London 1-111. ISBN 1-84184-049-1

13. Nutt DJ, Rickels K, Davidson J. (2002) Generalised Anxiety Disorder: Symptomatology, Pathogenesis and Management. Martin Dunitz Limited, London. i-xii, 1-204. ISBN 1-84184-131-5
14. Nutt, DJ & Ballenger, JC. (2003) Anxiety disorders. Blackwell Science Limited, Oxford. I-xii, 1-542. ISBN 0-632-05938-9.
15. Kennedy SH, Lam RW, Nutt DJ, Thase ME. (2004) Treating depression effectively: applying clinical guidelines. Martin Dunitz Limited, London. 1-154. ISBN 1-84184-328-8
16. Doble A, Martin IL, Nutt DJ. (2004) Calming the brain: benzodiazepines and related drugs from laboratory to clinic. Martin Dunitz Limited, London. i-vi, 1-185. ISBN 1-84184-05201.
17. Nutt DJ, Robbins TW, Stimson, GV Ince M and Jackson. A (2006) Drugs and the Future: Brain Science, Addiction and Society. Elsevier. ISBN 0-12-370624-6
18. Shiloh, R., Weizman, A Nutt, DJ. (2007) Atlas of Psychiatric Pharmacotherapy. Martin Dunitz Publishers, London 1-235, i-ix. ISBN 1-85317-630-3. 2006
19. Monti JM, Pandi-Perumal SR, Jacobs B, Nutt DJ (2007) Serotonin and sleep; molecular functional and clinical aspects Birkhauser-Verlag Boston
20. Kennedy SH, Lam RW, Nutt DJ, Thase ME - 2nd edition (2007) Treating depression effectively: applying clinical guidelines. Martin Dunitz Limited, London. 1-154. ISBN 1-84184-328-8
21. Nutt, DJ, Stein M, Zohar, J. Post traumatic stress disorder: diagnosis, management and treatment. 2nd edition second edition in preparation for 2008 Taylor Francis
22. Blanchard RJ, Blanchard DC, Greibel G, and Nutt DJ (2008) Handbook of Fear and Anxiety. New York: Elsevier, 2008. 517 pp. ISBN 978-0-444-53065-3
23. Latt N, Conigrave KM, Marshall J, Nutt DJ, Saunders JB (2008) Addiction: Oxford Specialist Handbook. Oxford UK
24. Wilson SJ and Nutt DJ (2008) Sleep Disorders; Oxford Psychiatry Library
- 25 Robbins TR, Everitt B, Nutt DJ (2008) The Neurobiology of Addiction – New Vistas. Philosophical Transcriptions of the Royal Society
26. Pariante CM, Ness R, Nutt DJ, Murray R, Wolpert L (2009) Treating depression: a translational approach
- 27 Robbins TR, Everitt B, Nutt DJ (2010) The Neurobiology of Addiction – New Vistas OUP
- 28 Nutt DJ; Drugs: without the hot air (2012) UIT press **ISBN 13:** 9781906860165

Educational presentations

2008 – BBC Horizon – Britain’s top twenty drugs

2009 – BBC Horizon – Alcohol and its substitutes

Feb 2010 – Dulwich College, London – Modern Affairs society

May 2010 – Hanham High School, Bristol – year 11 PSE classes
June 2010 – Teaching about risk: Institute of Education/ Wellcome Trust symposium
Nov 2010 – Princes Trust Annual conf of Heads of school Science and Maths departments
Nov 2010 - Science club Royal Grammar School Guildford
Nov 2010 – Manchester university student psychiatry society
Nov 2010 – Bristol University student psychiatry society
March 2011 – open meeting Bristol Justice and Law society
June 2011 –Redland High School Bristol
June 2011 –National centre for science teaching York

Cheltenham science festival talks

2007 – Treating depression
2008 – Cognition enhancing drugs
2010 – The decadent use of drugs
2012 – How the drugs laws impede research

Public lectures and debates

2006 Royal Institution – Brain Science Addiction and Drugs – Foresight project

2009 Eve Saville lecture <http://www.crimeandjustice.org.uk/estimatingdrugharms.html>

2010 BBC radio 4 – the Moral Maze June 2010 “the precautionary principle”

2010 Royal Society inaugural debate – “The experimental society: what happens when evidence, uncertainty and politics collide?” South bank London 2010

Newspaper articles

The Guardian, 2010
The Guardian Comment is Free – April 2010
The Times
The Scottish post
Radio times

Guardian Jan 2011

<http://www.guardian.co.uk/science/blog/2011/jan/17/price-super-strength-lagers-alcohol>

Guardian march 7 2011 – There is no safe dose of alcohol

The Guardian Comment is Free July 2011 – “evidence is what I say it is” : reflections on the BBC science coverage <http://www.guardian.co.uk/commentisfree/2011/jul/21/review-bbc-science-coverage>

Evidence not politics in drug policy <http://www.independent.co.uk/opinion/commentators/professor-david-nutt-attitudes-need-to-change-for-drug-addict-numbers-to-fall-even-lower-2348397.html>

Red tape, MDMA and a scientist’s duty

<http://www.guardian.co.uk/commentisfree/2012/jul/18/scientists-study-ecstasy-drugs-mdma-potential>

Features in

The Daily Telegraph
The Evening Standard
The Guardian

Broadcasts - Radio

Many interviews eg Science Now – Not all in the mind – Today programme – Radio2 John Dunn show
– Material World – You and yours -

The moral maze 2010 - evidence based policy
On the ropes – interview with John Humphries – Radio Four March 2011

TV - many news and current affairs programme interviews

BBC tv hardtalk May 2009

(http://www.bbc.co.uk/iplayer/episode/b00sl6h9/HARDtalk_Professor_David_Nutt/)

The politics show BBC west June 2010

Café Scientifiques

Bristol, Cardiff, Czech republic – for British council – by videolink, London

Sceptics in the pub talks

Westminster 2009, Guildford 2010, Brighton 2011, Winchester 2012 Liverpool 2012

School lectures

2010 Hanham High School Bristol, Dulwich College
2011 Guildford School, Redland High School Bristol, The North London Collegiate School, Society for
Biology West Midlands Branch
2012 – St Pauls School London

University public lectures

2010 Cardiff, Reading, Oxford Union,
2011 Newcastle, Bristol, Bath Millenium lecture series, UCL, Imperial College London, University of
Southampton postgraduate society, Monica Fooks lecture Oxford University,
2012 University of Derby, Cambridge Society for Applied Research

Other Public lectures

2011 Bristol – the drug laws
2011 Stroud Law society
2012 Manchester Menorah Synagoge annual ethics lecture

Teachers

Institute of Education 2010 – assessing risks and harms – teachers conference
<http://www.riskatioe.org/conference04June2010/>

Princes trust – Science teachers residential educational course 2010
National Science Teachers course York University June 2011

Blogs at www.profdavidnutt.wordpress.com

Could we ever have drugs laws that are just about the evidence?

Hysteria and hubris: lessons on drug control from the Scunthorpe Two
Wordpress.com May 28th 2010

Alcohol: the new opium of the masses?
Wordpress.com June 3rd 2010

Precaution or perversion: eight harms of the precautionary principle
Wordpress.com June 23rd 2010

Crutch or cure? The realities of methadone treatment
Wordpress.com June 9 2010

Matcho madness over cannabis: flawed drug policies in both hemispheres
Wordpress.com Oct 14th 2010

Damming the flood: 21 ways to reduce the harms of alcohol
Wordpress.com August 24th 2010

Of mice and men – Royal Society debate

Muddying the waters: should we ban naphyrone?
Wordpress.com July 22nd 2010

Necessity or nastiness? The hidden law denying cannabis for medical use
Wordpress.com December 13th 2010

Addiction: a life long illness not a lifestyle choice
Wordpress.com Feb 28 2011

Curiouser and curiouser: could ecstasy actually heal the brain?

Using evidence in drug and alcohol policy making

Media pieces

Superstrength lagers

<http://www.guardian.co.uk/science/blog/2011/jan/17/price-super-strength-lagers-alcohol?INTCMP=SRCH>

Ecstasy deaths

<http://www.guardian.co.uk/commentisfree/2011/nov/28/clubbers-test-ecstasy-nightclub-deaths>

Features and interviews

Nov 2009 – Daily Telegraph

March 2010 – evening standard

Dec 2010 – Guardian G2 magazine

Dec 2010 ESRC Britain in 2011 magazine

Video blogs and podcasts

<http://www.guardian.co.uk/commentisfree/video/2011/jan/10/david-nutt-drugs-policy>

<http://www.newstalk.ie/programmes/all/futureproof/podcasts/>

RESEARCH GRANTS

PI unless stated otherwise

Oxford University

Wellcome Trust (with Dr H Little)	1983-1984	£15K
Masons Trust	1984	£4K
Nuffield Foundation	1985	£6K
Wellcome Trust Snr Clinical Fellowship	1985-1989	£140K
Nuffield Foundation	1985	£5K

University of Bristol

Reckitt & Colman	1988-1992	£28000K
MRC CASE awards x 2	1989-1992	£50K
National Institute of Mental Health, USA	1992	£22K
National Institute of Alcohol Abuse, USA	1992-1994	£100K
Upjohn-Duphar	1992-1993	£40K
SmithKline Beecham	1992-1993	£30K
MRC project grant (with Prof A Smith)	1993	£29K
MRC CASE award	1993-1996	£30K
UCB Pharma	1993-1996	£450K
UBHT medical research trust	1993	£6K
Roche (with Prof A Smith)	1993-1995	£180K
Burden trust	1993	£5K
Pfizer	1993-1994	£40K
Wellcome Trust	1994	£53K
Wellcome training fellowship (Dr Malizia)	1994-1996	£143K
SW Region (with Dr Evans & Prof Morgan)	1994-1995	£29K
Wellcome Trust	1994-1996	£58K
MRC project grant (with Prof Lewis)	1994-1995	£45K
MRC project grant (with Dr Myles, Prof Lewis)	1994-1995	£40K
NHS research initiative (with Dr Myles)	1995-1997	£60K
MOD	1994-1997	£65K
MRC project grant (with Dr Myles)	1994-1995	£37K
Lilly	1995-1996	£88K
Proctor and Gamble (with Prof Smith)	1995-1997	£233K
BBSRC CASE (with Knoll Pharmaceuticals)	1995-1998	£45K
MRC ROPA (with Prof Lewis)	1995-1998	£129K
Wellcome Trust	1995-1997	£170K
NHS Executive S&W	1995-1996	£40K
Interneuron Pharmaceuticals	1996-1997	£50K
Wyeth Laboratories	1995-1997	£50K
NHS Executive S&W	1995-1997	£60K
MRC project grant	1996-1997	£41K
MOD	1996	£12K
Wellcome Trust	1996-1998	£140K
Servier, France	1996-1997	£95K
Wellcome Trust	1996-1998	£85K
Merck Pharmaceuticals	1997-1998	£47K

MRC ROPA	1997-1999	£92K
MRC project grant	1997-2000	£243K
MRC Programme grant: neurotransmitters in addiction	1997-2002	£1,059K
Organon Pharmaceuticals	1997-1 998	£50K
UBHT Research grant	1998	£4K
DERA CBDE grant	1998-1999	£10K
Pharmacia & Upjohn	1998	£40K
BBSRC CASE (with Knoll Pharmaceuticals)	1998-2001	£45K
DERA CBDE grant	1998-2001	£50K
Noise on Health (with Prof Smith)	1998-2001	£120K
NIMH	1999-2001	£103K
Institute de Recherche Piere Fabre,	2001 -2002	£73K
Wellcome Trust Imidazoline receptors	2000-2003	£204K
Bial Foundation	2001-2003	£20K
Wellcome Trust and SHRIFT – Capital funds Neurosciencebuilding –P.I. Lightman	2004	£8500K
DTI Brain Science and Addiction (Foresight)	2005-2006	£46K
AWP PET imaging	2003-2004	£19K
AWP Brain Dopamine release and opiate addiction	2004	£20K
Wellcome Trust career award Dr Lowry	2002-2007	£480K
MSD – Caffeine-induced insomnia	2003-2005	£57K
BBSRC Caffeine, genes and performance (P.I. P Rogers)	2004-2007	£340K
Wellcome Trust overseas award –Estonia. SSRI effect on CCK	2004-2007	£65K
AWP Insomnia Trazodone Study	2004-2006	£23K
AWP research grants	2005-2007	£123K
MRC program Neurotransmitters in opiate and alcohol addiction	2006-2011	£1200K
GlaxoSmithKline – GAD CO2 Study	2006	£119K
BBSRC Cognitive approaches to Animal Welfare (P.I.Mendl)	2006 -2011	£3000K
Organon MRI Effects of Acute Hydrocortisone	2006-2007	£55K
MERCK – P1Vital	2007	£50K
Organon contract	2007	£68K
David Telling trust	2007	£9K
Servier Research & Development	2007	£40K
MRC Genetic predictors antidepressant response (P.I. Glyn Lewis)	2005 -2008	£670K
Johnson and Johnson/P1Vital	2006-2008	£288K
MRC biomarkers – a2 receptors	2008-2010	£1020K
Astra Zeneca anxiety and CO2 contract	2008	£106K
Beckley foundation: MRI Imaging cannabis	2008-2009	£30k
Wolfson foundation – a 3T MRI facility	2008 - 2009	£1500K
Special Trustees – sleep studies	2008-2010	£84K
MRC experimental medicine	2008-2010	£240K
CFS gene expression	2006-2008	£65K
Neuroendocrinology Charitable Trust	2007-2009	£54K
MRC: Mood disorders at 17 in the ALSPAC cohort (P.I. Glyn Lewis)	2008-2010	£670K
MRC Addiction in ALSPAC at 17yrs (P.I. John McCleod)	2008-1010	£450K
Wellcome trust ALSPAC at 17. (P.I. Glyn Lewis)	2008-2010	£360K
ECNP fellowship award Dr Maron Estonia	2009	£40K
MRC : dopamine receptors in alcohol dependence (PI Anne Lingford-Hughes)	2010-2011	£250
MRC: ICCAM New Drugs for Addiction	2010-2013	£1800K
ESF 7th framework program – part of ALICERAP: addiction program	2010-2015	£120k
MRC: Neurotransmitters in addiction	2011-2016	£1600K
MRC Psilocybin treatment of depression	2012-2-14	£600k

David Nutt - Original Publications

Cowen PJ, Nutt DJ, Green AR (1980), Repeated electroconvulsive shock does not increase the susceptibility of rats to a cage convulsant (isopropylbicyclophosphate), *Neuropharmacology* 19: 1025-1026 Ref ID: 1

Cowen PJ, Nutt DJ, Green AR (1980), Enhanced 5-hydroxytryptamine and dopamine-mediated behavioural responses following convulsions--II. The effects of anaesthesia and current conditions on the appearance of enhanced responses following electroconvulsive shock, *Neuropharmacology* 19: 901-906 Ref ID: 2

Nutt DJ, Green AR, Grahame-Smith DG (1980), Enhanced 5-hydroxytryptamine and dopamine-mediated behavioural responses following convulsions--I. The effects of single and repeated bicuculline-induced seizures, *Neuropharmacology* 19: 897-900 Ref ID: 3

Nutt DJ, Cowen PJ, Green AR (1980), On the measurement in rats of the convulsant effect of drugs and the changes which follow electroconvulsive shock, *Neuropharmacology* 19: 1017-1023 Ref ID: 4

Cowen PJ, Green AR, Nutt DJ, Martin IP (1981), Ethyl beta-carboline carboxylate lowers seizure threshold and antagonizes flurazepam-induced sedation in rats, *Nature* 290: 54-55 Ref ID: 5

Nutt DJ, Cowen PJ, Batts CC, Green AR, Heal DJ (1982), Repeated administration of subconvulsant doses of GABA antagonist drugs. I. Effects on seizure thresholds and kindling, *Psychopharmacology (Berl)* 76: 82-88 Ref ID: 6a

Cowen PJ, Nutt DJ, Batts CC, Green AR, Heal DJ (1982), Repeated administration of subconvulsant doses of GABA antagonist drugs. II. Effect on monoamine-mediated behaviour, *Psychopharmacology (Berl)* 76: 88-91 Ref ID: 6b

File SE, Lister RG, Nutt DJ (1982), Intrinsic actions of benzodiazepine antagonists, *Neurosci.Lett.* 32: 165-168 Ref ID: 7

File SE, Lister RG, Nutt DJ (1982), The anxiogenic action of benzodiazepine antagonists, *Neuropharmacology* 21: 1033-1037 Ref ID: 8

Green AR, Nutt DJ, Cowen PJ (1982), Using Ro 15-1788 to investigate the benzodiazepine receptor in vivo: studies on the anticonvulsant and sedative effect of melatonin and the convulsant effect of the benzodiazepine Ro 05-3663, *Psychopharmacology (Berl)* 78: 293-295 Ref ID: 9

Nutt DJ, Smith SL, Heal DJ (1982), Hypophysectomy does not prevent the enhanced monoamine-mediated behavioural responses following repeated electroconvulsive shocks, *Neuropharmacology* 21: 881-884 Ref ID: 10

Nutt DJ, Cowen PJ, Batts CC, Grahame-Smith DG, Green AR (1982), Repeated administration of subconvulsant doses of GABA antagonist drugs. I. Effect on seizure threshold (kindling), *Psychopharmacology (Berl)* 76: 84-87 Ref ID: 11

Nutt DJ, Cowen PJ, Little HJ (1982), Unusual interactions of benzodiazepine receptor antagonists, *Nature* 295: 436-438 Ref ID: 12

Stanford SC, Nutt DJ (1982), Comparison of the effects of repeated electroconvulsive shock on alpha 2- and beta-adrenoceptors in different regions of rat brain, *Neuroscience* 7: 1753-1757 Ref ID: 13

Atterwill CK, Nutt DJ (1983), Thyroid hormones do not alter rat brain benzodiazepine receptor function in-vivo, *J.Pharm.Pharmacol.* 35: 767-768 Ref ID: 14

Bowdler JM, Green AR, Minchin MC, Nutt DJ (1983), Regional GABA concentration and [3H]-diazepam binding in rat brain following repeated electroconvulsive shock, *J.Neural Transm.* 56: 3-12 Ref ID: 15

Heal DJ, O'Shaughnessy KM, Smith SL, Nutt DJ (1983), Hypophysectomy alters both 5-hydroxytryptamine- and alpha 2-adrenoceptor-mediated behavioural changes in the rat, *Eur.J.Pharmacol.* 89: 167-171 Ref ID: 16

Minchin MC, Nutt DJ (1983), Studies on [3H]diazepam and [3H]ethyl-beta-carboline carboxylate binding to rat brain in vivo. I. Regional variations in displacement, *J.Neurochem.* 41: 1507-1512 Ref ID: 17

Nutt DJ, Minchin MC (1983), Studies on [3H]diazepam and [3H]ethyl-beta-carboline carboxylate binding to rat brain in vivo. II. Effects of electroconvulsive shock, *J.Neurochem.* 41: 1513-1517 Ref ID: 18

Stanford C, Nutt DJ, Cowen PJ (1983), Comparison of the effects of chronic desmethylimipramine administration on alpha 2- and beta-adrenoceptors in different regions of rat brain, *Neuroscience* 8: 161-164 Ref ID: 19

File SE, Green AR, Nutt DJ, Vincent ND (1984), On the convulsant action of Ro 5-4864 and the existence of a micromolar benzodiazepine binding site in rat brain, *Psychopharmacology (Berl)* 82: 199-202 Ref ID: 20

Little HJ, Nutt DJ, Taylor SC (1984), Acute and chronic effects of the benzodiazepine receptor ligand FG 7142: proconvulsant properties and kindling, *Br.J.Pharmacol.* 83: 951-958 Ref ID: 21

Minchin MC, Nutt DJ (1984), The effect of repeated electroconvulsive shock on the function of THIP, a GABA agonist, *Pharmacol.Biochem.Behav.* 21: 491-493 Ref ID: 22

Nutt DJ, Little HJ, Taylor SC, Minchin MC (1984), Investigating benzodiazepine receptor function in vivo using an intravenous infusion of DMCM, *Eur.J.Pharmacol.* 103: 359-362 Ref ID: 23

Little HJ, Taylor SC, Nutt DJ, Cowen PJ (1985), The benzodiazepine antagonist, Ro 15-1788 does not decrease ethanol withdrawal convulsions in rats, *Eur.J.Pharmacol.* 107: 375-377 Ref ID: 24

Quintero S, Mellanby J, Thompson MR, Nordeen H, Nutt D, McNaughton N, Gray JA (1985), Septal driving of hippocampal theta rhythm: role of gamma-aminobutyrate-benzodiazepine receptor complex in mediating effects of anxiolytics, *Neuroscience* 16: 875-884 Ref ID: 25

Taylor SC, Little HJ, Nutt DJ, Sellars N (1985), A benzodiazepine agonist and conragonist have hypothermic effects in rodents, *Neuropharmacology* 24: 69-73 Ref ID: 26

Brosan L, Broadbent D, Nutt D, Broadbent M (1986), Performance effects of diazepam during and after prolonged administration, *Psychol.Med.* 16: 561-571 Ref ID: 27

Charig W, Anderson IM, Robinson JM, Nutt DJ, Cowen PJ (1986), L-typtophan and prolactin release: evidence for interaction between 5HT1 and 5HT2 receptors, *Human Psychopharmacology* 1: 93-97 Ref ID: 28

Glue PW, Cowen PJ, Nutt DJ, Kolakowska T, Grahame-Smith DG (1986), The effect of lithium on 5-HT-mediated neuroendocrine responses and platelet 5-HT receptors, *Psychopharmacology (Berl)* 90: 398-402 Ref ID: 29

Lister RG, Nutt DJ (1986), Mice and rats are sensitized to the proconvulsant action of a benzodiazepine-receptor inverse agonist (FG 7142) following a single dose of lorazepam, *Brain Res.* 379: 364-366 Ref ID: 30

Little H, Nutt DJ, Taylor SC (1986), B-carboline kindling causes long term behavioural and other changes, in *Modulation of Central and Peripheral Transmitter Function*, ed. Biggio G, Franco Spano F, Toffano G, and Luigi Gessa G, Springer Verlag, p 405-409 Ref ID: 31

Little HJ, Nutt DJ, Taylor SC (1986), The effects of drugs acting at the GABAA-receptor/ionophore after chemical kindling with the benzodiazepine receptor ligand FG 7142, *Br.J.Pharmacol.* 88: 507-514 Ref ID: 32

Nutt D, Hackman A, Hawton K (1986), Increased sexual function in benzodiazepine withdrawal, *Lancet* 2: 1101-1102 Ref ID: 33

Nutt DJ (1986), Increased central alpha 2-adrenoceptor sensitivity in panic disorder, *Psychopharmacology (Berl)* 90: 268-269 Ref ID: 34

Nutt DJ, Little H (1986), Benzodiazepine-receptor mediated convulsions in infant rats: effects of beta-carbolines, *Pharmacol.Biochem.Behav.* 24: 841-844 Ref ID: 35

Nutt DJ, Cowen PJ, Franklin M, Murdock P, Gosden B, Fraser S (1986), The effect of diazepam on indices of 5-HT function in man, *Pharmacol.Biochem.Behav.* 24: 1491-1495 Ref ID: 36

Nutt DJ, Molyneux SG (1986), The effect of clonidine on plasma MHPG: evidence against tonic alpha 2-adrenoceptor control of noradrenergic function, *Psychopharmacology (Berl)* 90: 509-512 Ref ID: 37

Nutt DJ (1986), Interaction between diazepam and neuroadrenergic function in man, *Human Psychopharmacology* 1: 35-40 Ref ID: 38

Nutt DJ, Taylor SC, Little HJ (1986), Optimizing the pentetrazol infusion test for seizure threshold measurement, *J.Pharm.Pharmacol.* 38: 697-698 Ref ID: 39

Stanford SC, Little HJ, Nutt DJ, Taylor SC (1986), Effects of chronic treatment with benzodiazepine receptor ligands on cortical adrenoceptors, *Eur.J.Pharmacol.* 129: 181-184 Ref ID: 40

George DT, Ladenheim JA, Nutt DJ (1987), Effect of pregnancy on panic attacks, *Am.J.Psychiatry* 144: 1078-1079 Ref ID: 41

Glue P, Nutt D (1987), Clonidine in alcohol withdrawal: a pilot study of differential symptom

responses following i.v. clonidine, *Alcohol Alcohol* 22: 161-166 Ref ID: 42

Glue PW, Nutt DJ, Cowen PJ, Broadbent D (1987), Selective effect of lithium on cognitive performance in man, *Psychopharmacology (Berl)* 91: 109-111 Ref ID: 43

Idzikowski C, Cowen PJ, Nutt D, Mills FJ (1987), The effects of chronic ritanserin treatment on sleep and the neuroendocrine response to L-tryptophan, *Psychopharmacology (Berl)* 93: 416-420 Ref ID: 44

Little HJ, Nutt DJ, Taylor SC (1987), Selective changes in the in vivo effects of benzodiazepine receptor ligands after chemical kindling with FG 7142, *Neuropharmacology* 26: 25-31 Ref ID: 45

Little HJ, Nutt DJ, Taylor SC (1987), Bidirectional effects of chronic treatment with agonists and inverse agonists at the benzodiazepine receptor, *Brain Res.Bull.* 19: 371-378 Ref ID: 46

Nutt D, Glue P, Stewart A (1987), Platelet monamine receptor binding in alcoholics during withdrawal, *Br.J.Addict.* 82: 1253-1255 Ref ID: 47

Nutt D, Middleton H, Franklin M (1987), The neuroendocrine effects of oral imipramine, *Psychoneuroendocrinology* 12: 367-375 Ref ID: 48

Nutt D, Molyneux S (1987), Benzodiazepines, plasma MHPG and alpha-2-adrenoceptor function in man, *Int.Clin.Psychopharmacol.* 2: 151-157 Ref ID: 49

Nutt DJ, Lister RG (1987), The effect of the imidazodiazepine Ro 15-4513 on the anticonvulsant effects of diazepam, sodium pentobarbital and ethanol, *Brain Res.* 413: 193-196 Ref ID: 50

Nutt DJ (1987), Platelet alpha 2-adrenoceptor binding does not predict brain alpha 2-adrenoceptor function, *Br.J.Clin.Pharmacol.* 24: 122-123 Ref ID: 51

Nutt DJ, Fraser S (1987), Platelet binding studies in panic disorder, *J.Affect.Disord.* 12: 7-11 Ref ID: 52

Nutt DJ, Cowen PJ (1987), Diazepam alters brain 5-HT function in man: implications for the acute and chronic effects of benzodiazepines, *Psychol.Med.* 17: 601-607 Ref ID: 53

Nutt DJ, Costello M (1987), Flumazenil and benzodiazepine withdrawal, *Lancet* August 22: 463 Ref ID: 54

Stanford SC, Little HJ, Nutt DJ, Taylor SC (1987), A single dose of FG 7142 causes long-term increases in mouse cortical beta-adrenoceptors, *Eur.J.Pharmacol.* 134: 313-319 Ref ID: 55

George DT, Zerby A, Noble S, Nutt DJ (1988), Panic attacks and alcohol withdrawal: can subjects differentiate the symptoms?, *Biol.Psychiatry* 24: 240-243 Ref ID: 56

Gleiter CH, Nutt DJ (1988), Repeated electroconvulsive shock does not change [3H]-paroxetine binding to the 5-HT uptake site in rat cortical membranes, *Psychopharmacology (Berl)* 95: 68-70 Ref ID: 57

Gleiter CH, Nutt DJ (1988), A single electroconvulsive shock substantially lowers blood glucose levels in obese mice (C57BL/6J ob/ob), *Psychopharmacology (Berl)* 95: 287-288 Ref ID: 58

Gleiter CH, Deckert J, Nutt DJ, Marangos PJ (1988), The effect of acute and chronic electroconvulsive shock on [3H]phorbol-dibutyrate binding to rat brain membranes, *Neurochem.Res.* 13: 1023-

1026 Ref ID: 59

Gleiter CH, Nutt DJ (1988), Measuring the serotonin uptake site using [3H]paroxetine--a new serotonin uptake inhibitor, *Adv.Alcohol Subst.Abuse* 7: 107-111 Ref ID: 60

Gleiter CH, Deckert J, Nutt DJ (1988), Changes in caffeine seizure threshold after electroconvulsive shock, *Psychopharmacology (Berl)* 95: 544-545 Ref ID: 61

Gleiter CH, Nutt DJ (1988), Repeated electroconvulsive shock increases the number of [3H]desipramine binding sites in rat cerebral cortex, *Psychopharmacology (Berl)* 96: 426-427 Ref ID: 62

Glue P, Bacher JD, Nutt DJ (1988), A technique for chronic catheterization of the cisterna magna in rabbits, *Lab Anim Sci.* 38: 740-742 Ref ID: 63

Glue P, Sellman JD, Joyce PR, Nicholls MG, Nutt DJ (1988), The hypothermic response to clonidine is absent in alcohol withdrawal but returns in abstinence, *Biol.Psychiatry* 24: 102-104 Ref ID: 64

Lister RG, Nutt DJ (1988), Interactions of the imidazodiazepine Ro 15-4513 with chemical convulsants, *Br.J.Pharmacol.* 93: 210-214 Ref ID: 65

Little HJ, Gale R, Sellars N, Nutt DJ, Taylor SC (1988), Chronic benzodiazepine treatment increases the effects of the inverse agonist FG7142, *Neuropharmacology* 27: 383-389 Ref ID: 66

Middleton H, Nutt DJ (1988), Heart rate response to standing as an Index of adaptation to imipramine during treatment of panic disorder. *Human Psychopharmacology* 3, 191-194. Ref ID: 67

Middleton H, Nutt DJ, Anastassiades P (1988), Evidence that imipramine-induced postural hypotension may be centrally mediated. *Human Psychopharmacology* 3, 181-190. Ref ID: 68

Nutt D, Glue P, Molyneux S, Clark E (1988), Alpha-2-adrenoceptor function in alcohol withdrawal: a pilot study of the effects of iv. clonidine in alcoholics and normals, *Alcohol Clin.Exp.Res.* 12: 14-18 Ref ID: 69

Nutt DJ, Glue P (1988), Aspects of alpha-2-adrenoceptor function in normal volunteers. *Human Psychopharmacology* 3. Ref ID: 70

Nutt DJ, Lister RG (1988), Antagonizing the anticonvulsant effect of ethanol using drugs acting at the benzodiazepine/GABA receptor complex, *Pharmacol.Biochem.Behav.* 31: 751-755 Ref ID: 71

Nutt DJ, Lister RG (1988), Strain differences in response to a benzodiazepine receptor inverse agonist (FG 7142) in mice, *Psychopharmacology (Berl)* 94: 435-436 Ref ID: 72

Nutt DJ, Taylor SC, Little HJ, Standing BL, Gale RG (1988), Changes in benzodiazepine/GABA receptor complex function in benzodiazepine-tolerant mice, *Psychopharmacology (Berl)* 95: 407-412 Ref ID: 73

Nutt DJ, Glue P (1988), Alpha-2-adrenoceptor function in alcoholics, *Adv.Alcohol Subst.Abuse* 7: 43-46 Ref ID: 74

Nutt DJ, Lister RG, Rusche D, Bonetti EP, Reese RE, Rufener R (1988), RO 15-4513 does not protect rats against the lethal effects of ethanol, *Eur.J.Pharmacol.* 151: 127-129 Ref ID: 75

Nutt DJ, Gleiter CH, Linnoila M (1988), Repeated electroconvulsive shock normalizes blood glucose levels in genetically obese mice (C57BL/6J ob/ob) but not in genetically diabetic mice (C57BL/KsJ db/db), *Brain Res.* 448: 377-380 Ref ID: 76

Nutt DJ, Costello MJ (1988), Rapid induction of lorazepam dependence and reversal with flumazenil, *Life Sci.* 43: 1045-1053 Ref ID: 77

Risher-Flowers D, Adinoff B, Ravitz B, Bone GH, Martin PR, Nutt D, Linnoila M (1988), Circadian rhythms of cortisol during alcohol withdrawal, *Adv.Alcohol Subst.Abuse* 7: 37-41 Ref ID: 78

Thiagarajan AB, Gleiter CH, Nutt DJ (1988), Electroconvulsive Shock Does Not Increase Plasma Insulin in Rats, *Convuls.Ther.* 4: 292-296 Ref ID: 79

Bone GH, Majchrowicz E, Martin PR, Linnoila M, Nutt DJ (1989), A comparison of calcium antagonists and diazepam in reducing ethanol withdrawal tremors, *Psychopharmacology (Berl)* 99: 386-388 Ref ID: 80

George DT, Anderson P, Nutt DJ, Linnoila M (1989), Aggressive thoughts and behavior: another symptom of panic disorder?, *Acta Psychiatr.Scand.* 79: 500-502 Ref ID: 81

George DT, Nutt DJ, Walker WV, Porges SW, Adinoff B, Linnoila M (1989), Lactate and hyperventilation substantially attenuate vagal tone in normal volunteers. A possible mechanism of panic provocation?, *Arch.Gen.Psychiatry* 46: 153-156 Ref ID: 82

George DT, Nutt DJ, Waxman RP, Linnoila M (1989), Panic response to lactate administration in alcoholic and nonalcoholic patients with panic disorder, *Am.J.Psychiatry* 146: 1161-1165 Ref ID: 83

Gleiter CH, Costello MJ, Nutt DJ (1989), Effect of Single and Repeated Electroconvulsive Shock on Body Temperature in Mice, *Convuls.Ther.* 5: 152-156 Ref ID: 84

Gleiter CH, Linnoila M, Nutt DJ (1989), Low affinity hypothalamic [3H]mazindol binding: a probe for hypothalamic body weight regulation?, *Appetite* 12: 137-143 Ref ID: 85

Gleiter CH, Deckert J, Nutt DJ, Marangos PJ (1989), Electroconvulsive shock (ECS) and the adenosine neuromodulatory system: effect of single and repeated ECS on the adenosine A1 and A2 receptors, adenylate cyclase, and the adenosine uptake site, *J.Neurochem.* 52: 641-646 Ref ID: 86

Glue P, Sellman JD, Nicholls MG, Abbott R, Joyce PR, Nutt DJ (1989), Studies of alpha-2-adrenoceptor function in abstinent alcoholics, *Br.J.Addict.* 84: 97-102 Ref ID: 87

Jackson HC, Ripley TL, Nutt DJ (1989), Exploring delta-receptor function using the selective opioid antagonist naltrindole, *Neuropharmacology* 28: 1427-1430 Ref ID: 88

Lister RG, Durcan MJ, Nutt DJ, Linnoila M (1989), Attenuation of ethanol intoxication by alpha-2 adrenoceptor antagonists, *Life Sci.* 44: 111-119 Ref ID: 89

Nutt DJ (1989), Endocrine response to syncope in panic disorder, *Psychiatry Res.* 28: 351-353 Ref ID: 90

Nutt DJ, Lister RG (1989), 3-(Methoxycarbonyl)-amino-beta-carboline reduces both the sedative and anticonvulsant effects of diazepam, *Eur.J.Pharmacol.* 165: 135-138 Ref ID: 91

Nutt DJ (1989), Altered central alpha 2-adrenoceptor sensitivity in panic disorder, *Arch.Gen.Psychiatry* 46: 165-169 Ref ID: 92

Nutt DJ, Cowen PJ, Green AR (1981), Studies on the post-ictal rise in seizure threshold, *Eur.J.Pharmacol.* 71: 287-295 Ref ID: 93

Thiagarajan AB, Gleiter CH, Mefford IN, Eskay RL, Nutt DJ (1989), Effect of single and repeated electroconvulsive shock on the hypothalamic-pituitary-adrenal axis and plasma catecholamines in rats, *Psychopharmacology (Berl)* 97: 548-552 Ref ID: 94

George DT, Adinoff B, Ravitz B, Nutt DJ, De Jong J, Berrettini W, Mefford IN, Costa E, Linnoila M (1990), A cerebrospinal fluid study of the pathophysiology of panic disorder associated with alcoholism, *Acta Psychiatr.Scand.* 82: 1-7 Ref ID: 95

George DT, Glue P, Bacher JD, Waxman RP, Nutt DJ (1990), Lactate-induced electrolyte changes in the cerebrospinal fluid of rabbits, *Biol.Psychiatry* 27: 104-108 Ref ID: 96

Glue P, Costello MJ, Pert A, Mele A, Nutt DJ (1990), Regional neurotransmitter responses after acute and chronic electroconvulsive shock, *Psychopharmacology (Berl)* 100: 60-65 Ref ID: 97

Jackson HC, Ball DM, Nutt DJ (1990), Noradrenergic mechanisms appear not to be involved in cocaine-induced seizures and lethality, *Life Sci.* 47: 353-359 Ref ID: 98

Jackson HC, Nutt DJ (1990), Body temperature discriminates between full and partial benzodiazepine receptor agonists, *Eur.J.Pharmacol.* 185: 243-246 Ref ID: 99

Nutt DJ, Glue P, Lawson C, Wilson S (1990), Flumazenil provocation of panic attacks. Evidence for altered benzodiazepine receptor sensitivity in panic disorder, *Arch.Gen.Psychiatry* 47: 917-925 Ref ID: 100

Peeters BW, Van Rijn CM, Nutt DJ, Titulaer MN, Vossen JM, Coenen AM (1990), Diazepam and Ro 15-1788 increase absence epilepsy in WAG/Rij rats chronically exposed to diazepam, *Eur.J.Pharmacol.* 178: 111-114 Ref ID: 101

Roy A, Lamparski D, De Jong J, Adinoff B, Ravitz B, George DT, Nutt D, Linnoila M (1990), Cerebrospinal fluid monoamine metabolites in alcoholic patients who attempt suicide, *Acta Psychiatr.Scand.* 81: 58-61 Ref ID: 102

Smith JE, Williams K, Burkett S, Glue P, Nutt DJ (1990), Oxytocin and vasopressin responses to ECT, *Psychiatry Res.* 32: 201-202 Ref ID: 103

Weiss SR, Post RM, Costello M, Nutt DJ, Tandeciarz S (1990), Carbamazepine retards the development of cocaine-kindled seizures but not sensitization to cocaine-induced hyperactivity, *Neuropsychopharmacology* 3: 273-281 Ref ID: 104

Adinoff B, Risher-Flowers D, De Jong J, Ravitz B, Bone GHA, Nutt DJ, Roehrich L, Martin PR, Linnoila M (1991), Disturbances of hypothalamic-pituitary-adrenal axis functioning during ethanol withdrawal in six men, *American.Journal of Psychiatry* 148: 1023-1025.: 1023-1025 Ref ID: 105

Ball DM, Glue P, Wilson S, Nutt DJ (1991), Pharmacology of saccadic eye movements in man. 1. Effects of the benzodiazepine receptor ligands midazolam and flumazenil, *Psychopharmacology (Berl)* 105: 361-367 Ref ID: 106

Benkelfat C, Murphy DL, Hill JL, George DT, Nutt D, Linnoila M (1991), Ethanollike properties of the serotonergic partial agonist m-chlorophenylpiperazine in chronic alcoholic patients, *Arch.Gen.Psychiatry* 48: 383 Ref ID: 107

Glue P, Payvandi N, Kay G, Elliott JM, Nutt DJ (1991), Effects of chronic alpha 2-adrenoceptor blockade on platelet and lymphocyte adrenoceptor binding in normal volunteers, *Life Sci.* 49: L21-L25 Ref ID: 108

Glue P, White E, Wilson S, Ball DM, Nutt DJ (1991), Pharmacology of saccadic eye movements in man. 2. Effects of the alpha 2-adrenoceptor ligands idazoxan and clonidine, *Psychopharmacology (Berl)* 105: 368-373 Ref ID: 109

Glue P, Nutt DJ (1991), Benzodiazepine receptor sensitivity in panic disorder, *Lancet* 337: 563 Ref ID: 110

Glue P, Wilson SJ, Lawson C, Campling GM, Franklin M, Cowen PJ, Nutt DJ (1991), Acute and chronic idazoxan in normal volunteers: biochemical physiological and psychological effects, *Journal of Psychopharmacology* 5 : 396-403 Ref ID: 111

Hart YM, Sander JW, Meinardi H, Nutt DJ, Shorvon SD (1991), Flumazenil as an anti-epileptic agent, *Lancet* 337: 744 Ref ID: 112

Hart YM, Meinardi H, Sander JW, Nutt DJ, Shorvon SD (1991), The effect of intravenous flumazenil on interictal electroencephalographic epileptic activity: results of a placebo-controlled study, *J.Neurol.Neurosurg.Psychiatry* 54: 305-309 Ref ID: 113

Holman RB, Thomas DN, Nutt DJ (1991), New insights into the neurobiology of ECT: regionally selective alterations in noradrenaline release revealed by microdialysis, *Biol.Psychiatry* 1 : 268-271 Ref ID: 114

Jackson HC, Weinberger PJ, Nutt DJ (1991), Do Opioid, alpha(2)-Adrenoreceptors, or Benzodiazepine Receptors Mediate ECS-Induced Hypothermia in Mice?, *Convuls.Ther.* 7: 20-27 Ref ID: 115

Jackson HC, Nutt DJ (1991), Effect of benzodiazepine and beta-carboline antagonists and partial agonists on loprozalam- and ZK 93423-induced hypothermia, *Eur.J.Pharmacol.* 193: 179-184 Ref ID: 116

Jackson HC, Nutt DJ (1991), Differential effects of selective mu-, kappa- and delta-opioid antagonists on electroshock seizure threshold in mice, *Psychopharmacology (Berl)* 103: 380-383 Ref ID: 117

Jackson HC, Griffin IJ, Nutt DJ (1991), The effects of idazoxan and other alpha 2-adrenoceptor antagonists on food and water intake in the rat, *Br.J.Pharmacol.* 104: 258-262 Ref ID: 118

Jackson HC, Nutt DJ (1991), Inhibition of baclofen-induced hypothermia in mice by the novel GABAB antagonist CGP 35348, *Neuropharmacology* 30: 535-538 Ref ID: 119

Jackson HC, Nutt DJ (1991), Investigation of the different types of opioid receptor involved in electroconvulsive shock-induced antinociception and catalepsy in the rat, *J.Pharm.Pharmacol.* 43: 640-643 Ref ID: 120

Jackson HC, Ripley TL, Dickinson SL, Nutt DJ (1991), Anticonvulsant activity of the imidazoline 6,7-

benzodiazoxan, *Epilepsy Res.* 9: 121-126 Ref ID: 121

Jackson HC, Dickinson SL, Nutt DJ (1991), Exploring the pharmacology of the pro-convulsant effects of alpha 2-adrenoceptor antagonists in mice, *Psychopharmacology (Berl)* 105: 558-562 Ref ID: 122

Jackson HC, Nutt DJ (1991), Comparison of the effects of benzodiazepine and beta-carboline inverse agonists on body temperature in mice, *Eur.J.Pharmacol.* 205: 213-216 Ref ID: 123

Lamparski DM, Roy A, Nutt DJ, Linnoila M (1991), The criteria of Cloninger et al. and von Knorring et al. for subgrouping alcoholics: a comparison in a clinical population, *Acta Psychiatr.Scand.* 84: 497-502 Ref ID: 124

Nutt DJ, Glue PW (1991), Imipramine in panic disorder (1): clinical response and pharmacological changes, *Journal of Psychopharmacology* 5: 56-64 Ref ID: 125

Nutt DJ, Glue P (1991), Irritability in panic disorder: effects of imipramine treatment, *Human Psychopharmacology* 6: 49-52 Ref ID: 126

Nutt DJ, Glue P (1991), Imipramine in panic disorder (2): effects on alpha2-adrenoceptor function, *Journal of Psychopharmacology* 5: 135-141 Ref ID: 127

Wilson SJ, Glue P, Nutt DJ (1991), The effects of the alpha2-adrenoceptor antagonist idazoxan on sleep in normal volunteers, *Journal of Psychopharmacology* 5: 105-110 Ref ID: 128

Glue P, Wilson S, Campling GM, Knightly M, Franklin M, Cowen PJ, Nutt DJ (1992), Alpha-2-adrenoceptor control of cortisol and ACTH in normal volunteers: preliminary open trial of the effects of acute and chronic idazoxan, *Psychoneuroendocrinology* 17: 261-266 Ref ID: 129

Glue P, Bailey J, Wilson S, Hudson A, Nutt DJ (1992), Thyrotropin-releasing hormone selectively reverses lorazepam-induced sedation but not slowing of saccadic eye movements, *Life Sci.* 50: L25-L30 Ref ID: 130

Hudson AL, Mallard NJ, Tyacke R, Nutt DJ (1992), [3H]-RX821002: a highly selective ligand for the identification of alpha2-adrenoreceptors in the rat brain, *Molecular neuropharmacology* 1 : 219-229 Ref ID: 131

Hume SP, Lammertsma AA, Opacka-Juffry J, Ahier RG, Myers R, Cremer JE, Hudson AL, Nutt DJ, Pike VW (1992), Quantification of in vivo binding of [3H]RX 821002 in rat brain: evaluation as a radioligand for central alpha 2-adrenoceptors, *Nucl.Med.Biol.* 19: 841-849 Ref ID: 132

Jackson HC, Nutt DJ (1992), Strain differences in sensitivity to the hypothermic effects of benzodiazepine receptor ligands in mice, *Psychopharmacology (Berl)* 109: 365-368 Ref ID: 133

Jackson HC, Nutt DJ (1992), Effects of benzodiazepine receptor inverse agonists on locomotor activity and exploration in mice, *Eur.J.Pharmacol.* 221: 199-203 Ref ID: 134

Jackson HC, Ramsay E, Nutt DJ (1992), Attenuation of the behavioural effects of ethanol in mice by des-enkephalin-gamma-endorphin (ORG 5878), *Alcohol Alcohol* 27: 373-379 Ref ID: 135

Jackson HC, Griffin IJ, Nutt DJ (1992), Alpha 2-adrenoceptor antagonists block the stimulant effects of cocaine in mice, *Life Sci.* 50: L155-L159 Ref ID: 136

- Jackson HC, Griffin IJ, Birkett SD, Nutt DJ (1992), The effects of idazoxan and other alpha 2-adrenoceptor antagonists on urine output in the rat, *Br.J.Pharmacol.* 106: 443-446 Ref ID: 137
- Jackson HC, Ramsay E, Nutt DJ (1992), Effect of the cyclopyrrolones suriclone and RP 59037 on body temperature in mice, *Eur.J.Pharmacol.* 216: 23-27 Ref ID: 138
- Jackson HC, Nutt DJ (1992), Are 5-HT receptors or beta-adrenoceptors involved in idazoxan-induced food and water intake?, *Neuropharmacology* 31: 1081-1087 Ref ID: 139
- Jackson HC, Griffin IJ, Nutt DJ (1992), Endogenous opioids may be involved in idazoxan-induced food intake, *Neuropharmacology* 31: 771-776 Ref ID: 140
- Mallard NJ, Hudson AL, Nutt DJ (1992), Characterization and autoradiographical localization of non-adrenoceptor idazoxan binding sites in the rat brain, *Br.J.Pharmacol.* 106: 1019-1027 Ref ID: 141
- Nutt DJ, Glue P, Wilson S, Coupland N, Lillywhite A (1992), Clinical correlates of benzodiazepine receptor function, *Clin.Neuropharmacol.* 15 Suppl 1 Pt A: 679A-680A Ref ID: 142
- Nutt DJ, Glue P, Wilson SJ (1992), Chronic use of alcohol and/or benzodiazepines may account for evidence of altered benzodiazepine receptor sensitivity in panic disorder, *Archives of General Psychiatry* 49 : 329-332 Ref ID: 143
- Nutt DJ (1992), Pharmacoendocrine studies in anxiety, *Clin.Neuropharmacol.* 15 Suppl 1 Pt A: 214A-215A Ref ID: 144
- Nutt DJ, Smith CF, Bennett R, Jackson HC (1992), Investigations on the "set-point" theory of benzodiazepine receptor function, *Adv.Biochem.Psychopharmacol.* 47: 419-429 Ref ID: 145
- Smith AP, Wilson SJ, Glue P, Nutt DJ (1992), The effects and after-effects of the alpha-2-adrenoceptor antagonist idazoxan on mood, memory and attention in normal volunteers, *Journal of Psychopharmacology* 6: 376-381 Ref ID: 146
- Thomas DN, Nutt DJ, Holman RB (1992), Effects of acute and chronic electroconvulsive shock on noradrenaline release in the rat hippocampus and frontal cortex, *Br.J.Pharmacol.* 106: 430-434 Ref ID: 147
- Williams K, Smith J, Glue P, Nutt D (1992), The effects of electroconvulsive therapy on plasma insulin and glucose in depression, *Br.J.Psychiatry* 161: 94-98 Ref ID: 148
- Wilson S, Glue P, Nutt DJ (1992), Flumazenil and saccadic eye movements in patients with panic disorder and normal controls, *Human Psychopharmacology* 7: 45-50 Ref ID: 149
- Allen D, Nutt DJ (1993), Co-existence of panic disorder and sleep paralysis, *Journal of Psychopharmacology* 7: 293-294 Ref ID: 150
- Jackson HC, Nutt DJ (1993), A single pre-exposure produces sensitization to the locomotor effects of cocaine in mice, *Pharmacol.Biochem.Behav.* 45: 733-735 Ref ID: 151
- Jackson HC, Griffin IJ, Nutt DJ (1993), Buprenorphine-cocaine interactions in mice: effect on locomotor activity and hole-dipping behaviour, *J.Pharm.Pharmacol.* 45: 636-640 Ref ID: 152
- Jackson HC, Nutt DJ (1993), Investigation of the involvement of opioid receptors in the action of

anticonvulsants, *Psychopharmacology (Berl)* 111: 486-490 Ref ID: 153

Jordan S, Jackson HC, Nutt DJ, Handley SL (1993), Central alpha-2 adrenoceptors are responsible for a clonidine-induced cue in a rat drug discrimination paradigm, *Psychopharmacology (Berl)* 110: 209-212 Ref ID: 154

Nutt DJ, Lalies M, Hudson AL (1993), The effects of alpha-2-adrenoceptor antagonists on extracellular dopamine concentrations in rat striatum, in *Noradrenergic Mechanisms in Parkinson's Disease*, ed. Briley M and Marion M, p 159-172 Ref ID: 155

Wilson SJ, Glue P, Ball D, Nutt DJ (1993), Saccadic eye movement parameters in normal subjects, *Electroencephalogr.Clin.Neurophysiol.* 86: 69-74 Ref ID: 156

Arnott S, Nutt D (1994), Successful treatment of fluvoxamine-induced anorgasmia by cyproheptadine, *Br.J.Psychiatry* 164: 838-839 Ref ID: 157

Coupland NJ, Bailey JE, Wilson SJ, Potter WZ, Nutt DJ (1994), A pharmacodynamic study of the alpha 2-adrenergic receptor antagonist ethoxyidazoxan in healthy volunteers, *Clin.Pharmacol.Ther.* 56: 420-429 Ref ID: 158

Lillywhite AR, Wilson SJ, Nutt DJ (1994), Successful treatment of night terrors and somnambulism with paroxetine, *Br.J.Psychiatry* 164: 551-554 Ref ID: 159

Montgomery SA, Henry J, McDonald G, Dinan T, Lader M, Hindmarch I, Clare A, Nutt D (1994), Selective serotonin reuptake inhibitors: meta-analysis of discontinuation rates, *Int.Clin.Psychopharmacol.* 9: 47-53 Ref ID: 160

Smith J, Williams K, Birkett S, Nicholson H, Glue P, Nutt DJ (1994), Neuroendocrine and clinical effects of electroconvulsive therapy and their relationship to treatment outcome, *Psychol.Med.* 24: 547-555 Ref ID: 161

Thomas DN, Nutt D, Holman RB (1994), Regionally specific changes in extracellular noradrenaline following chronic idazoxan as revealed by in vivo microdialysis, *Eur.J.Pharmacol.* 261: 53-57 Ref ID: 162

Bailey JE, Potokar J, Coupland NJ, Nutt DJ (1995), The 5-HT₃ antagonist ondansetron reduces gastrointestinal side effects induced by a specific serotonin re-uptake inhibitor in man, *J.Psychopharmacology* 9: 137-141 Ref ID: 163

Carpene C, Collon P, Remaury A, Cordi A, Hudson A, Nutt D, Lafontan M (1995), Inhibition of amine oxidase activity by derivatives that recognize imidazoline I₂ sites, *J.Pharmacol.Exp.Ther.* 272: 681-688 Ref ID: 164

Coupland N, Nutt DJ (1995), Successful treatment of tardive oculogyric spasms with vitamin E, *Journal of Clinical Psychopharmacology* 15: 285-286 Ref ID: 165

Coupland NJ, Bailey JE, Wilson SJ, Horvath R, Nutt D (1995), The effects of clonidine on cardiovascular responses to standing in healthy volunteers, *Clin.Auton.Res.* 5: 171-177 Ref ID: 166

Coupland NJ, Wilson SJ, Potokar JP, Bell CE, Bailey JE, Nutt DJ (1995), A comparison of the effects of phenelzine treatment with moclobemide treatment on cardiovascular reflexes, *Int.Clin.Psychopharmacol.* 10: 229-238 Ref ID: 167

Coupland NJ, Bailey JE, Glue P, Nutt DJ (1995), The cardiovascular and subjective effects of thyrotropin releasing hormone (TRH) and a stable analogue, dimethyl proline-TRH, in healthy volunteers, *Br.J.Clin.Pharmacol.* 40: 223-229 Ref ID: 168

French N, Lalies MD, Nutt DJ, Pratt JA (1995), Idazoxan-induced reductions in cortical glucose use are accompanied by an increase in noradrenaline release: complementary [¹⁴C]2-deoxyglucose and microdialysis studies, *Neuropharmacology* 34: 605-613 Ref ID: 169

George DT, Lindquist T, Nutt DJ, Ragan PW, Alim T, McFarlane V, Leviss J, Eckardt MJ, Linnoila M (1995), Effect of chloride or glucose on the incidence of lactate-induced panic attacks, *Am.J.Psychiatry* 152: 692-697 Ref ID: 170

George DT, Nutt DJ, Rawlings RR, Phillips MJ, Eckardt MJ, Potter WZ, Linnoila M (1995), Behavioral and endocrine responses to clomipramine in panic disorder patients with or without alcoholism, *Biol.Psychiatry* 37: 112-119 Ref ID: 171

Glue P, Wilson SJ, Coupland NJ, Ball D, Nutt DJ (1995), The relationship between benzodiazepine receptor sensitivity and neuroticism, *Journal of Anxiety.Disorders.* 9: 33-45 Ref ID: 172

Jordan S, Jackson HC, Handley SL, Nutt DJ (1995), Discriminative stimulus properties of ethoxy idazoxan, *J.Psychopharmacology* 9: 228-233 Ref ID: 173

Malizia AL, Forse G, Haida A, Gunn R, Melichar J, Poole K, Bateman D, Fahy D, Schnorr L, Drown D, Rhodes C, Nutt DJ, Jones T (1995), A new human (psycho)pharmacology tool: the multiple organs coincidences counter (MOCC), *J.Psychopharmacology* 9: 294-306 Ref ID: 174

Nutt DJ, French N, Handley S, Hudson A, Husbands S, Jackson H, Jordan S, Lalies MD, Lewis J, Lione L, . (1995), Functional studies of specific imidazoline-2 receptor ligands, *Ann.N.Y.Acad.Sci.* 763: 125-139 Ref ID: 175

Weinstein AM, Nutt DJ (1995), A cognitive dysfunction in anxiety and its amelioration by effective treatment with SSRIs, *J.Psychopharmacology* 9: 83-89 Ref ID: 176

Coupland N, Malizia A, Bailey J, Nutt D (1996), Thyrotropin-releasing hormone: a potential comparator for the panicogenic effects of pentagastrin and CCK?, *Biol.Psychiatry* 39: 465-466 Ref ID: 177

Harley CW, Lalies MD, Nutt DJ (1996), Estimating the synaptic concentration of norepinephrine in dentate gyrus which produces beta-receptor mediated long-lasting potentiation in vivo using microdialysis and intracerebroventricular norepinephrine, *Brain Res.* 710: 293-298 Ref ID: 178

Hume SP, Ashworth S, Lammertsma AA, Opacka-Juffry J, Law MP, McCarron JA, Clark RD, Nutt DJ, Pike VW (1996), Evaluation in rat of RS-79948-197 as a potential PET ligand for central alpha 2-adrenoceptors, *Eur.J.Pharmacol.* 317: 67-73 Ref ID: 179

Jordan S, Jackson HC, Nutt DJ, Handley SL (1996), Discriminative stimulus produced by the imidazoline I2 ligand, 2-BFI, *J.Psychopharmacology* 10: 273-278 Ref ID: 180

Lione LA, Nutt DJ, Hudson AL (1996), [³H]2-(2-benzofuranyl)-2-imidazoline: a new selective high affinity radioligand for the study of rabbit brain imidazoline I2 receptors, *Eur.J.Pharmacol.* 304: 221-

229 Ref ID: 181

Malizia AL, Gunn RN, Wilson SJ, Waters SH, Bloomfield PM, Cunningham VJ, Nutt DJ (1996), Benzodiazepine site pharmacokinetic/pharmacodynamic quantification in man: direct measurement of drug occupancy and effects on the human brain in vivo, *Neuropharmacology* 35: 1483-1491 Ref ID: 182

Malizia AL, Friston K, Gunn RN, Cunningham VJ, Wilson SJ, Jones RD, Nutt DJ (1996), The analysis of brain PET radioligand displacement studies, in *Quantification of brain function using PET*, p 266-270 Ref ID: 183

Malizia AL, Forse G, Gunn RN, Haida A, Schnorr L, Rajeswaran S, Poole K, Nutt DJ, Jones T (1996), The MOC counter: a pharmacological tool for the in vivo measurement of ligand occupancy indices in the human brain, in *Quantification of brain function using PET*, p 20-25 Ref ID: 184

Nutt D, Montgomery SA (1996), Moclobemide in the treatment of social phobia, *Int.Clin.Psychopharmacol.* 11 Suppl 3: 77-82 Ref ID: 185

Reynolds GP, Boulton RM, Pearson SJ, Hudson AL, Nutt DJ (1996), Imidazoline binding sites in Huntington's and Parkinson's disease putamen, *Eur.J.Pharmacol.* 301: R19-R21 Ref ID: 186

Smith A, Nutt D (1996), Noradrenaline and attention lapses, *Nature* 380: 291 Ref ID: 187

Tolchard S, Hare AS, Nutt DJ, Clarke G (1996), TNF alpha mimics the endocrine but not the thermoregulatory responses of bacterial lipopolysaccharide (LPS): correlation with FOS-expression in the brain, *Neuropharmacology* 35: 243-248 Ref ID: 188

Weinstein AM, Neal L, Lillywhite A, Potokar J, Nutt DJ (1996), Cognitive processing in post-traumatic stress disorder, *Anxiety.* 2: 130-139 Ref ID: 189

Weinstein AM, Wilson SJ, Bailey JE, Nutt DJ (1996), Sedative antidepressants impair visual detection mechanisms in humans, *J.Psychopharmacology* 10: 141-145 Ref ID: 190

Coupland N, Wilson S, Nutt D (1997), Antidepressant drugs and the cardiovascular system: a comparison of tricyclics and selective serotonin reuptake inhibitors and their relevance for the treatment of psychiatric patients with cardiovascular problems, *J.Psychopharmacol.* 11: 83-92 Ref ID: 191

Coupland NJ, Lillywhite A, Bell CE, Potokar JP, Nutt DJ (1997), A pilot controlled study of the effects of flumazenil in posttraumatic stress disorder, *Biol.Psychiatry* 41: 988-990 Ref ID: 192

Evans J, Battersby S, Ogilvie AD, Smith CA, Harmar AJ, Nutt DJ, Goodwin GM (1997), Association of short alleles of a VNTR of the serotonin transporter gene with anxiety symptoms in patients presenting after deliberate self harm, *Neuropharmacology* 36: 439-443 Ref ID: 193

Friston KJ, Malizia AL, Wilson S, Cunningham VJ, Jones T, Nutt DJ (1997), Analysis of dynamic radioligand displacement or "activation" studies, *J.Cereb.Blood Flow Metab* 17: 80-93 Ref ID: 194

George DT, Benkelfat C, Rawlings RR, Eckardt MJ, Phillips MJ, Nutt DJ, Wynne D, Murphy DL, Linnoila M (1997), Behavioral and neuroendocrine responses to m-chlorophenylpiperazine in subtypes of alcoholics and in healthy comparison subjects, *Am.J.Psychiatry* 154: 81-87 Ref ID: 195

Hudson AL, Chapleo CB, Lewis JW, Husbands S, Grivas K, Mallard NJ, Nutt DJ (1997), Identification of ligands selective for central I2-imidazoline binding sites, *Neurochem.Int.* 30: 47-53 Ref ID: 196

Law FD, Bailey JE, Allen DS, Melichar JK, Myles JS, Mitcheson MC, Lewis JW, Nutt DJ (1997), The feasibility of abrupt methadone-buprenorphine transfer in British opiate addicts in an outpatient setting, *Addiction Biology* 2: 191-200 Ref ID: 197

Malizia AL, Melichar JM, Brown DJ, Gunn RN, Reynolds A, Jones T, Nutt DJ (1997), Demonstration of clomipramine and venlafaxine occupation at serotonin reuptake sites in man in vivo, *J.Psychopharmacol.* 11: 279-281 Ref ID: 198

Potokar J, Coupland N, Glue P, Groves S, Malizia A, Bailey J, Wilson S, Nutt D (1997), Flumazenil in alcohol withdrawal: a double-blind placebo-controlled study, *Alcohol Alcohol* 32: 605-611 Ref ID: 199

Potokar J, Wilson SJ, Nutt DJ (1997), Do SSRIs prolong seizure duration during ECT?, *International Journal of Psychiatry and Clinical Practice* 1: 227-280 Ref ID: 200

Weinstein A, Wilson S, Bailey J, Myles J, Nutt D (1997), Imagery of craving in opiate addicts undergoing detoxification, *Drug Alcohol Depend.* 48: 25-31 Ref ID: 201

Wilson SJ, Lillywhite AR, Potokar JP, Bell CJ, Nutt DJ (1997), Adult night terrors and paroxetine, *Lancet* 350: 185 Ref ID: 202

Bell C, Wilson S, Nutt DJ (1998), Pindolol augmentation of sertraline in resistant depression and its effect on sleep. *J.Psychopharmacology* 12 [1], 105-107. Ref ID: 203

Dalley JW, Parker CA, Wulfert E, Hudson AL, Nutt DJ (1998), Potentiation of barbiturate-induced alterations in presynaptic noradrenergic function in rat frontal cortex by imidazol(in)e alpha2-adrenoceptor agonists, *Br.J.Pharmacol.* 125: 441-446 Ref ID: 204

Lione LA, Nutt DJ, Hudson AL (1998), Characterisation and localisation of [3H]2-(2-benzofuranyl)-2-imidazoline binding in rat brain: a selective ligand for imidazoline I2 receptors, *Eur.J.Pharmacol.* 353: 123-135 Ref ID: 205

Malizia AL, Cunningham VJ, Bell CJ, Liddle PF, Jones T, Nutt DJ (1998), Decreased brain GABA(A)-benzodiazepine receptor binding in panic disorder: preliminary results from a quantitative PET study, *Arch.Gen.Psychiatry* 55: 715-720 Ref ID: 206

Smith AP, Whitney H, Owens D, Sturgess W, Nutt DJ (1998), Noise, central noradrenaline and lapses of attention in a categoric search task, *Noise effects* 1 : 403-407 Ref ID: 207

Thomas DN, Nutt DJ, Holman RB (1998), Sertraline, a selective serotonin reuptake inhibitor modulates extracellular noradrenaline in the rat frontal cortex, *J.Psychopharmacol.* 12: 366-370 Ref ID: 208

Weinstein A, Feldtkeller B, Malizia A, Wilson S, Bailey J, Nutt DJ (1998), Integrating the cognitive and physiological aspects of craving, *J.Psychopharmacol.* 12: 31-38 Ref ID: 209

Argyropoulos SV, Wheeler A, Nutt DJ (1999), A case of reversal of treatment-resistant depression after almost 30 years of symptoms. *Int.J.Psychiatry in Clinical.Practice.* 3 , 289-291. Ref ID: 210

Baldwin D, Bobes J, Stein DJ, Scharwachter I, Faure M, Nutt DJ et al (1999), Paroxetine in social

phobia/social anxiety disorder. Randomised, double-blind, placebo-controlled study. Paroxetine Study Group, *Br.J.Psychiatry* 175: 120-126 Ref ID: 211

Chevalier H, Los F, Boichut D, Bianchi M, Nutt DJ, Hajak G, Hetta J, Hoffmann G, Crowe C (1999), Evaluation of severe insomnia in the general population: results of a European multinational survey, *J.Psychopharmacol.* 13: S21-S24 Ref ID: 212

Crofts HS, Muggleton NG, Bowditch AP, Pearce PC, Nutt DJ, Scott EA (1999), Home cage presentation of complex discrimination tasks to marmosets and rhesus monkeys, *Lab Anim* 33: 207-214 Ref ID: 213

Hudson AL, Gough R, Tyacke R, Lione L, Lalies M, Lewis J, Husbands S, Knight P, Murray F, Hutson P, Nutt DJ (1999), Novel selective compounds for the investigation of imidazoline receptors, *Ann.N.Y.Acad.Sci.* 881: 81-91 Ref ID: 214

Hudson AL, Luscombe S, Gouch RE, Nutt DJ, Tyacke RJ (1999), Endogenous indoleamines demonstrate moderate affinity for I2 binding sites, *Ann.N.Y.Acad.Sci.* 881: 212-216 Ref ID: 215

Hudson AL, Robinson ES, Lalies MD, Tyacke RJ, Jackson HC, Nutt DJ (1999), In vitro and in vivo approaches to the characterization of the alpha2-adrenoceptor, *J.Auton.Pharmacol.* 19: 311-320 Ref ID: 216

Lalies MD, Hibell A, Hudson AL, Nutt DJ (1999), Inhibition of central monoamine oxidase by imidazoline2 site-selective ligands, *Ann.N.Y.Acad.Sci.* 881: 114-117 Ref ID: 217

Nutt D, Law J (1999), Treatment of cluster headache with mirtazapine, *Headache* 39: 586-587 Ref ID: 218

Nutt DJ, Wilson S (1999), Evaluation of severe insomnia in the general population--implications for the management of insomnia: the UK perspective, *J.Psychopharmacol.* 13: S33-S34 Ref ID: 219

Parker CA, Hudson AL, Nutt DJ, Dillon MP, Eglen RM, Crosby J (1999), Comparison of crude methanolic CDS extracts from various tissues, *Ann.N.Y.Acad.Sci.* 881: 92-96 Ref ID: 220

Parker CA, Hudson AL, Nutt DJ, Dillon MP, Eglen RM, Chan SL, Morgan NG, Crosby J (1999), Extraction of active clonidine-displacing substance from bovine lung and comparison with clonidine-displacing substance extracted from other tissues, *Eur.J.Pharmacol.* 378: 213-221 Ref ID: 221

Potokar J, Coupland N, Wilson S, Rich A, Nutt D (1999), Assessment of GABA(A)benzodiazepine receptor (GBzR) sensitivity in patients on benzodiazepines, *Psychopharmacology (Berl)* 146: 180-184 Ref ID: 222

Robinson ES, Nutt DJ, Hall L, Jackson HC, Hudson AL (1999), Autoradiographical and behavioural effects of a chronic infusion of antisense to the alpha2D-adrenoceptor in the rat, *Br.J.Pharmacol.* 128: 515-522 Ref ID: 223

Smith A, Clark RE, Nutt DJ, Haller J, Hayward S, Perry K (1999), Vitamin C, mood and cognitive functioning in the elderly, *Nutritional neuroscience* 2: 249-256 Ref ID: 224

Smith A, Sturgess W, Rich N, Brice C, Collison C, Bailey J, Wilson S, Nutt DJ (1999), The effects of idazoxan on reaction times, eye movements and the mood of healthy volunteers and patients with upper respiratory tract illnesses, *J.Psychopharmacol.* 13: 148-151 Ref ID: 225

Smith AP, Clark R, Nutt DJ, Haller J, Hayward S, Perry K (1999), Anti-oxidant vitamins and mental performance of the elderly, *Human Psychopharmacology* 14: 459-471 Ref ID: 226

Smith AP, Rich N, Sturges W, Brice C, Collison C, Bailey JE, Wilson SJ, Nutt DJ (1999), Effects of the common cold on subjective alertness, simple and choice reaction time and eye movements, *Journal of Psychophysiology* 13: 145-151 Ref ID: 227

Tyacke RJ, Nutt DJ, Hudson AL (1999), Autoradiography of I2 receptors in frog brain, *Ann.N.Y.Acad.Sci.* 881: 208-211 Ref ID: 228

Coates PA, Grundt P, Robinson ES, Nutt DJ, Tyacke R, Hudson AL, Lewis JW, Husbands SM (2000), Probes for imidazoline binding sites: synthesis and evaluation of a selective, irreversible I2 ligand, *Bioorg.Med.Chem.Lett.* 10: 605-607 Ref ID: 229

Coupland NJ, Bell C, Potokar JP, Dorkins E, Nutt DJ (2000), Flumazenil challenge in social phobia, *Depress.Anxiety.* 11: 27-30 Ref ID: 230

Evans J, Reeves B, Platt H, Leibenau A, Goldman D, Jefferson K, Nutt D (2000), Impulsiveness, serotonin genes and repetition of deliberate self-harm (DSH), *Psychol.Med.* 30: 1327-1334 Ref ID: 231

Evans J, Platts H, Lightman S, Nutt D (2000), Impulsiveness and the prolactin response to d-fenfluramine, *Psychopharmacology (Berl)* 149: 147-152 Ref ID: 232

Hume SP, Hirani E, Opacka-Juffry J, Osman S, Myers R, Gunn RN, McCarron JA, Clark RD, Melichar J, Nutt DJ, Pike VW (2000), Evaluation of [O-methyl-11C]RS-15385-197 as a positron emission tomography radioligand for central alpha2-adrenoceptors, *Eur.J.Nucl.Med.* 27: 475-484 Ref ID: 233

Malizia AL, Melichar JK, Rhodes CG, Haida A, Reynolds AH, Jones T, Nutt DJ (2000), Desipramine binding to noradrenaline reuptake sites in cardiac sympathetic neurons in man in vivo, *Eur.J.Pharmacol.* 391: 263-267 Ref ID: 234

Parker CA, Hudson AL, Nutt DJ, Dillon MP, Eglen RM, Crosby J (2000), Isolation of RP-HPLC pure clonidine-displacing substance from NG108-15 cells, *Eur.J.Pharmacol.* 387: 27-30 Ref ID: 235

Potokar J, Nash J, Sandford J, Rich A, Nutt DJ (2000), GABAA benzodiazepine receptor (GbzR) sensitivity: test-retest reliability in normal volunteers, *Human Psychopharmacology* 15: 281-286 Ref ID: 236

Robinson ES, Nutt DJ, Jackson HC, Hudson AL (2000), Behavioural and physiological effects induced by an infusion of antisense to alpha(2D)-adrenoceptors in the rat, *Br.J.Pharmacol.* 130: 153-159 Ref ID: 237

Weinstein AM, Feldtkeller BT, Law F, Myles J, Nutt DJ (2000), The processing of automatic thoughts of drug use and craving in opiate-dependent individuals, *Exp.Clin.Psychopharmacol.* 8: 549-553 Ref ID: 238

Wilson SJ, Bell C, Coupland NJ, Nutt DJ (2000), Sleep changes during long-term treatment of depression with fluvoxamine--a home-based study, *Psychopharmacology (Berl)* 149: 360-365 Ref ID: 239

Wilson SJ, Bailey JE, Alford C, Nutt DJ (2000), Sleep and daytime sleepiness the next day following single night-time dose of fluvoxamine, dothiepin and placebo in normal volunteers, *J.Psychopharmacol.* 14: 378-386 Ref ID: 240

Wilson SJ, Birnie A, Sheridan B, Nutt DJ (2000), Pagoclone: the effects of a benzodiazepine partial agonist on sleep, *Psychopharmacology* . Ref ID: 241

Clayson J, Jales A, Tyacke RJ, Hudson AL, Nutt DJ, Lewis JW, Husbands SM (2001), Selective delta-opioid receptor ligands: potential PET ligands based on naltrindole, *Bioorg.Med.Chem.Lett.* 11: 939-943 Ref ID: 242

Coupland NJ, Bell CJ, Potokar JP, Bailey JE, Nutt DJ (2001), Cardiovascular reflexes during treatment of social phobia with moclobemide, *Int.J.Psychiatry in Clinical.Practice.* 5: 27-31 Ref ID: 243

Crofts HS, Wilson S, Muggleton NG, Nutt DJ, Scott EA, Pearce PC (2001), Investigation of the sleep electrocorticogram of the common marmoset (*Callithrix jacchus*) using radiotelemetry, *Clin.Neurophysiol.* 112: 2265-2273 Ref ID: 244

Daglish MR, Weinstein A, Malizia AL, Wilson S, Melichar JK, Britten S, Brewer C, Lingford-Hughes A, Myles JS, Grasby P, Nutt DJ (2001), Changes in regional cerebral blood flow elicited by craving memories in abstinent opiate-dependent subjects 2, *Am.J.Psychiatry* 158: 1680-1686 Ref ID: 245

Feldtkeller B, Weinstein A, Cox WM, Nutt D (2001), Effects of contextual priming on reactions to craving and withdrawal stimuli in alcohol-dependent participants, *Exp.Clin.Psychopharmacol.* 9: 343-351 Ref ID: 246

Hood SD, Argyropoulos SV, Nutt DJ (2001), Arthritis and serotonergic antidepressants, *J.Clin.Psychopharmacol.* 21: 458-461 Ref ID: 247

Husbands SM, Glennon RA, Gorgerat S, Gough R, Tyacke R, Crosby J, Nutt DJ, Lewis JW, Hudson AL (2001), beta-carboline binding to imidazoline receptors, *Drug Alcohol Depend.* 64: 203-208 Ref ID: 248

Melichar JK, Haida A, Rhodes C, Reynolds AH, Nutt DJ, Malizia AL (2001), Venlafaxine occupation at the noradrenaline reuptake site: in-vivo determination in healthy volunteers, *J.Psychopharmacol.* 15: 9-12 Ref ID: 249

Okada M, Nutt DJ, Murakami T, Zhu G, Kamata A, Kawata Y, Kaneko S (2001), Adenosine receptor subtypes modulate two major functional pathways for hippocampal serotonin release, *J.Neurosci.* 21: 628-640 Ref ID: 250

Smith AP, Rich N, Wilson SJ, Nutt DJ (2001), Subjective and objective assessment of the effects of noise, noise sensitivity and noise disturbed sleep on health, *Inter Noise* 1587-1592 Ref ID: 251

Argyropoulos SV, Bailey JE, Hood SD, Kendrick AH, Rich AS, Laszlo G, Nash JR, Lightman SL, Nutt DJ (2002), Inhalation of 35% CO₂ results in activation of the HPA axis in healthy volunteers, *Psychoneuroendocrinology* 27: 715-729 Ref ID: 252

Bell C, Vanderlinden H, Hiersemenzel R, Otoul C, Nutt D, Wilson S (2002), The effects of levetiracetam on objective and subjective sleep parameters in healthy volunteers and patients with partial epilepsy, *J.Sleep Res.* 11: 255-263 Ref ID: 253

Bell C, Forshall S, Adrover M, Nash J, Hood S, Argyropoulos S, Rich A, Nutt DJ (2002), Does 5-HT restrain panic? A tryptophan depletion study in panic disorder patients recovered on paroxetine, *J.Psychopharmacol.* 16: 5-14 Ref ID: 254

Finn DP, Lalies MD, Harbuz MS, Jessop DS, Hudson AL, Nutt DJ (2002), Imidazoline(2) (I(2)) binding site- and alpha(2)-adrenoceptor-mediated modulation of central noradrenergic and HPA axis function in control rats and chronically stressed rats with adjuvant-induced arthritis, *Neuropharmacology* 42: 958-965 Ref ID: 255

Hicks JA, Argyropoulos SV, Rich AS, Nash JR, Bell CJ, Edwards C, Nutt DJ, Wilson SJ (2002), Randomised controlled study of sleep after nefazodone or paroxetine treatment in out-patients with depression, *Br.J.Psychiatry* 180: 528-535 Ref ID: 256

Lingford-Hughes A, Hume SP, Feeney A, Hirani E, Osman S, Cunningham VJ, Pike VW, Brooks DJ, Nutt DJ (2002), Imaging the GABA-benzodiazepine receptor subtype containing the alpha5-subunit in vivo with [¹¹C]Ro15 4513 positron emission tomography, *J.Cereb.Blood Flow Metab* 22: 878-889 Ref ID: 257

Tyacke RJ, Robinson ES, Schnabel R, Lewis JW, Husbands SM, Nutt DJ, Hudson AL (2002), N¹-fluoroethyl-naltrindole (BU97001) and N¹-fluoroethyl-(14-formylamino)-naltrindole (BU97018) potential delta-opioid receptor PET ligands, *Nucl.Med.Biol.* 29: 455-462 Ref ID: 258

Tyacke RJ, Robinson ES, Nutt DJ, Hudson AL (2002), 5-Isothiocyanato-2-benzofuranyl-2-imidazoline (BU99006) an irreversible imidazoline(2) binding site ligand: in vitro and in vivo characterisation in rat brain, *Neuropharmacology* 43: 75-83 Ref ID: 259

Wilson S, Bailey JE, Alford C, Weinstein A, Nutt DJ (2002), Effects of 5 weeks of administration of fluoxetine and dothiepin in normal volunteers on sleep, daytime section, psychomotor performance and mood, *Journal of Psychopharmacology* 16 : 321-331 Ref ID: 260

Argyropoulos SV, Hicks JA, Nash JR, Bell CJ, Rich AS, Nutt DJ, Wilson SJ (2003), Correlation of subjective and objective sleep measurements at different stages of the treatment of depression, *Psychiatry Res.* 120: 179-190 Ref ID: 261

Bell C, Wilson S, Rich A, Bailey J, Nutt D (2003), Effects on sleep architecture of pindolol, paroxetine and their combination in healthy volunteers, *Psychopharmacology (Berl)* 166: 102-110 Ref ID: 262

Coupland NJ, Wilson SJ, Potokar JP, Bell C, Nutt DJ (2003), Increased sympathetic response to standing in panic disorder, *Psychiatry Res.* 118: 69-79 Ref ID: 263

Daglish MR, Weinstein A, Malizia AL, Wilson S, Melichar JK, Lingford-Hughes A, Myles JS, Grasby P, Nutt DJ (2003), Functional connectivity analysis of the neural circuits of opiate craving: "more" rather than "different"?, *Neuroimage.* 20: 1964-1970 Ref ID: 264

Finn DP, Marti O, Harbuz MS, Valles A, Belda X, Marquez C, Jessop DS, Lalies MD, Armario A, Nutt DJ, Hudson AL (2003), Behavioral, neuroendocrine and neurochemical effects of the imidazoline I₂ receptor selective ligand BU224 in naive rats and rats exposed to the stress of the forced swim test, *Psychopharmacology (Berl)* 167: 195-202 Ref ID: 265

Melichar JK, Nutt DJ, Malizia AL (2003), Naloxone displacement at opioid receptor sites measured in vivo in the human brain, *Eur.J.Pharmacol.* 459: 217-219 Ref ID: 266

- Melichar JK, Myles JS, Eap CB, Nutt DJ (2003), Using saccadic eye movements as objective measures of tolerance in methadone dependent individuals during the hydromorphone challenge test, *Addict.Biol.* 8: 59-66 Ref ID: 267
- Nash J, Wilson S, Potokar J, Nutt DJ (2003), Mirtazapine induces REM sleep behaviour disorder (RBD) in parkinsonism, *Neurology* (2 of 2): 1161 Ref ID: 268
- Saczewski F, Hudson AL, Tyacke RJ, Nutt DJ, Man J, Tabin P, Saczewski J (2003), 2-(4,5-dihydro-1H-imidazol-2-yl)indazole (indazim) derivatives as selective I(2) imidazoline receptor ligands, *Eur.J.Pharm.Sci.* 20: 201-208 Ref ID: 269
- Weinstein A, Feldtkeller B, Feeney A, Lingford-Hughes A, Nutt D (2003), A pilot study on the effects of treatment with acamprosate on craving for alcohol in alcohol-dependent patients, *Addict.Biol.* 8: 229-232 Ref ID: 270
- Finn DP, Hudson AL, Kinoshita H, Coventry TL, Jessop DS, Nutt DJ, Harbuz MS (2004), Imidazoline2 (I2) receptor- and alpha2-adrenoceptor-mediated modulation of hypothalamic-pituitary-adrenal axis activity in control and acute restraint stressed rats, *J Psychopharmacol* 18: 47-53 PMID: 15107184 Ref ID: 271
- Kaye J, Buchanan F, Kendrick A, Johnson P, Lowry C, Bailey J, Nutt D, Lightman S (2004), Acute carbon dioxide exposure in healthy adults: evaluation of a novel means of investigating the stress response, *J Neuroendocrinol.* 16: 256-264 Ref ID: 272
- Robinson ES, Tyacke RJ, Finch L, Willmott G, Husbands S, Nutt DJ, Hudson AL (2004), Pharmacological characterisation of novel alpha 2-adrenoceptor antagonists as potential brain imaging agents, *Neuropharmacology* 46: 847-855 PMID: 15033344 Ref ID: 273
- Wilson SJ, Rich A, Rich N, Potokar J, Nutt DJ (2004), Evaluation of actigraphy and automated telephoned questionnaires to assess hypnotic effects in insomnia, *Int.Clin.Psychopharmacol.* 19: 77-84 PMID: 15076015 Ref ID: 274
- Wilson SJ, Bailey JE, Rich AS, Adrover M, Potokar J, Nutt DJ. (2004) Using sleep to evaluate comparative serotonergic effects of paroxetine and citalopram. *European Neuropsychopharmacology.* Ref Type: 14:367-372 PMID: 15336297 Ref ID: 275
- Robinson ES, Anderson N, Crosby J, Nutt DJ, Hudson AL (2003), Endogenous B-carbolines as clonidine-displacing substances., *Ann.N.Y.Acad.Sci.* 1009: 157-166 Ref ID: 276
- Anderson N, Robinson ES, Husbands SM, Delagrang P, Nutt DJ, Hudson AL (2003), Characterization of [3H]Harmane binding to rat whole brain membranes., *Ann.N.Y.Acad.Sci.* 1009: 175-179 Ref ID: 277
- Robinson ES, Price RE, Nutt DJ, Hudson AL (2003), BU98008, a highly selective imidazoline-1 receptor ligand. *Ann.N.Y.Acad.Sci.* 1009: 283-287 Ref ID: 278
- Hudson AL, Tyacke RJ, Lallies MD, Davies N, Finn DP, Marti O, Robinson ES, Husbands SM, Minchin MC, Kimura A, Nutt DJ (2003), Novel ligands for the investigation of imidazoline receptors and their binding proteins., *Ann.N.Y.Acad.Sci.* 1009: 302-308 Ref ID: 279
- Paterson LM, Tyacke RJ, Nutt DJ, Hudson AL (2003), Relationship between imidazoline-2 sites and monoamine oxidase., *Ann.N.Y.Acad.Sci.* 1009: 353-356 Ref ID: 280

Tyacke RJ, Saczewski F, Tabin P, Saczewski J, Nutt DJ, Hudson AL (2003), Initial evaluation of novel selective ligands for imidazoline-2 receptors in rat whole brain., *Ann.N.Y.Acad.Sci.* 1009: 357-360 Ref ID: 281

Tyacke RJ, Lau A, Grella B, Glennon RA, Nutt DJ, Hudson AL (2003), Investigation of the affinities of two new b-carbolines for rat brain imidazoline-2 receptors., *Ann.N.Y.Acad.Sci.* 1009: 361-363 Ref ID: 282

Walling SG, Nutt DJ, Lalies MD, Harley CW. (2004) Orexin-A in fusion in the locus ceruleus triggers norepinephrine (NE) release and NE-induced long-term potentiation in the dentate gyrus. *J Neurosci.* Aug 25;24(34):7421-6 PMID: 15329388 Ref ID: 283

Paterson LM, Robinson ES, Nutt DJ, Hudson AL (2003), In vivo estimation of imidazoline-2 binding site turnover., *Ann.N.Y.Acad.Sci.* 1009: 367-370 Ref ID: 284

Smith AP, Brice C, Nash J, Rich N, Nutt DJ (2003), Caffeine and central noradrenaline: effects on mood, cognitive performance, eye movements and cardiovascular function., *Journal of Psychopharmacology* 17: 283-292 Ref ID: 285

Sandford JJ, Forshall S, Bell C, Argyropoulos S, Rich A, D'Orlando KJ, Gammans RE, Nutt DJ (2001) Crossover trial of pagoclone and placebo in patients with DSM-IV panic disorder. *J.Psychopharmacol.* 15: 205-208 Ref ID: 286

Tyacke RJ, Robinson ES, Lalies MD, Hume SP, Hudson AL, Nutt DJ. 2005 Estimation of endogenous noradrenaline release in rat brain in vivo using [(3)H]RX 821002. *Synapse.* 2005 Feb;55(2):126-32. PMID: 15543627 Ref ID: 287

Argyropoulos S, Hood SD, Adrover M,. Bell CJ, Rich AS, Nash JR, Rich NR, Witchel HJ, Nutt DJ (2004) Tryptophan depletion reverses the therapeutic effect of selective serotonin reuptake inhibitors in social anxiety disorder. *Biological psychiatr* 56:503–509 PMID: 15450786 Ref ID: 288

Slattery DA, Morrow JA, Hudson AL, Hill DR, Nutt DJ, Henry B (2005). Comparison of Alterations in c-fos and Egr-1 (zif268) Expression Throughout the Rat Brain Following Acute Administration of Different Classes of Antidepressant Compounds. *Neuropsychopharmacology.* 30:1278-1287 PMID: 158125 Ref ID 289

Bailey JE, Argyropoulos SV, Kendrick AH, Nutt DJ. (2005) Behavioral and cardiovascular effects of 7.5% CO(2) in human volunteers. *Depress Anxiety.* 21(1):18-25. PMID: 15782425 Ref ID: 290

Parker CA, Anderson NJ, Robinson ES, Price R, Tyacke RJ, Husbands SM, Dillon MP, Eglen RM, Hudson AL, Nutt DJ, Crump MP, Crosby J. (2004) Harmane and harmalan are bioactive components of classical clonidine-displacing substance. *Biochemistry.* 43(51):16385-92. PMID: 15610033 Ref ID: 291

Melichar JK, Hume SP, Williams TM, Daglish MRC, Taylor LG, Ahmad R, Malizia AL, Brooks DJ, Myles JS, Lingford-Hughes AR & Nutt DJ. (2005). Using [11C]-Diprenorphine to image opioid receptor

occupancy by methadone in opioid addiction: clinical and preclinical studies. *J. Pharm. Exp. Ther.* 312: 309-315 PMID: 15347732
Ref ID: 292

Lingford-Hughes A, Wilson SJ, Feeney A, Grasby PG, Nutt, DJ. [2005] A proof-of-concept study using [¹¹C]-flumazenil PET to demonstrate that pagoclone is a partial agonist. *Psychopharmacology* 180: 789-791. PMID: 15986186
Ref ID: 293

Davies SJC, Pandit S, Feeney A, Stephenson B, Kerwin R, Nutt DJ Marshall EJ, Boddington S, Lingford-Hughes AR. (2005) Is there cognitive impairment in clinically 'healthy' abstinent alcohol dependence? *Alcohol & Alcoholism.* 40: 498-503 PMID: 16186142
Ref ID: 294

Wilson SJ, Bailey JE, Rich AS, Nash J, Adrover M, Tournoux A, Nutt DJ. (2005)
The use of sleep measures to compare a new 5HT_{1A} agonist with buspirone in humans. *J Psychopharmacol.* 19(6):609-13 PMID: 16272182
Ref ID: 295

Robinson ES, Nutt DJ, Jackson HC, Hudson AL. (2005) The uptake of a fluorescently labelled antisense oligonucleotide in vitro and in vivo. *J Neurosci Methods.* 147(1):48-54. Epub 2005 Apr 15. PMID: 16054515
Ref ID: 296

Lingford-Hughes AR, Wilson SJ, Cunningham VJ, Feeney A, Stevenson B, Brooks DJ, Nutt DJ. (2005) GABA-benzodiazepine receptor function in alcohol dependence: a combined ¹¹C-flumazenil PET and pharmacodynamic study *Psychopharmacology (Berl).* 180(4):595-606. Epub 2005 Apr 28. PMID: 15864554
Ref ID: 297

Toru I, Shlik J, Maron E, Vasar V, Nutt DJ. (2006) Tryptophan depletion does not modify response to CCK-4 challenge in patients with panic disorder after treatment with citalopram. *Psychopharmacology (Berl).* 186: 107-112 PMID: 16541242
Ref ID: 298

Bailey JE, Kendrick A, Diaper A, Potokar J, Nutt DJ. (2007) A validation of the 7.5% CO₂ model of GAD using paroxetine and lorazepam in healthy volunteers. *J Psychopharmacol.* 21(1):42-9 PMID: 16533865
Ref ID: 299

Anderson NJ, Tyacke RJ, Husbands SM, Nutt DJ, Hudson AL, Robinson ES (2006)
In vitro and ex vivo distribution of [³H]harmaline, an endogenous beta-carboline, in rat brain.. *Neuropharmacology* 50(3):269-76. Epub 2005 Oct 19. PMID: 16242163
Ref ID: 300

Davies S JC, Hood SD, Argyropoulos SV Morris K, Bell C, Witchel H, Jackson`P, Nutt DJ, Potokar JP (2006) Depleting serotonin enhances both cardiovascular and psychological stress reactivity in recovered patients with anxiety disorders. *Journal of Clinical Psychopharmacology* 26(4):414-418
PMID: 16855462
Ref ID: 301

Papakostas GI, Nutt DJ, Tucker VL, Krishen A, Fava M: (2006) Resolution of Sleepiness and Fatigue in

the treatment of Major Depressive Disorder: A Comparison of Bupropion and the Selective Serotonin Reuptake Inhibitors. *Biological Psychiatry*. 60(12):1350-5. PMID: 16934768
Ref ID: 302

Heath TP, Melichar JK, Nutt DJ, Donaldson LF (2006) Human taste thresholds are modulated by serotonin and noradrenaline. *J Neurosci* 26(49):12664-71. PMID: 17151269
Ref ID: 303

Nutt, DJ; King, LA; Saulsbury, W; Blakemore, C (2007) Development of a rational scale to assess the harm of drugs of potential misuse. *Lancet* 369:1047-1053. PMID: 17382831
Ref ID: 304

Williams TM, Daglish MRC, Lingford-Hughes A, Taylor LG, Hammers A, Brooks, DJ, Grasby P, Myles JS, Nutt DJ. (2007) Brain opioid receptor binding in early abstinence from opioid dependence: positron emission tomography study. *Br J Psychiatry* 191:63-9. PMID: 17602127
Ref ID: 305

Montgomery AJ, Lingford-Hughes AR, Egerton A, Nutt DJ, Grasby PM (2007) The effect of nicotine on striatal dopamine release in man: an [¹¹C]raclopride PET study. *Synapse* 61(8):637-45. PMID: 17492764
Ref ID: 306

Hume SP, Lingford-Hughes AR, Nataf V, Hirani E, Ahmad R, Davies AN, Nutt, DJ. (2007) Low Sensitivity of the PET Ligand [¹¹C]Diprenorphine to Agonist Opiates. *JPET* 2007 322(2):661-7. PMID: 17488881
Ref ID: 307

Bailey JE, Papadopoulos A, Lingford-Hughes AR, Farmer E, Davis M, Nutt DJ. D-Cycloserine enhances performance in a learning task in volunteers in a low-anxiety state. *Psychopharmacology*. 2007 May 18; 193: 579-585. PMID: 17510758
Ref ID: 308

Paterson, LM, Tyacke, RJ, Robinson, ESJ, Nutt, DJ & Hudson AL. (2007) In vitro and in vivo effect of BU99006 (5-isothiocyanato-2-benzofuranyl-2-imidazoline) on I2 binding in relation to MAO: evidence for two distinct I2 binding sites', *Neuropharmacology* 52: 395-404. PMID: 17045310
Ref ID: 309

Paterson, LM, Wilson, SJ, Nutt, DJ, Hutson PH & Ivarsson M (2007) A translational, caffeine-induced model of onset insomnia in rats and healthy volunteers. *Psychopharmacology (Berl)*, 191: 943-50. PMID: 17225163
Ref ID: 310

Argyropoulos SV, Ploubidis GB, Wright TS, Palm ME, Hood SD, Nash JR, Taylor AC, Forshall SW, Anderson IM, Nutt DJ, Potokar JP. (2007) Development and validation of the Generalized Anxiety Disorder Inventory (GADI). *J Psychopharmacol*. 21(2):145-52. PMID: 17329293
Ref ID: 312

Nutt DJ, Besson M, Wilson SJ, Dawson GR, Lingford-Hughes AR. (2007) Blockade of alcohol's amnestic activity in humans by an alpha5 subtype benzodiazepine receptor inverse agonist. *Neuropharmacology* 53(7):810-20. PMID: 17888460
Ref ID: 314

Hitsman B, Mackillop J, Lingford-Hughes A, Williams TM, Ahmad F, Adams S, Nutt DJ, Munafò MR. (2008) Effects of acute tyrosine/phenylalanine depletion on the selective processing of smoking-related cues and the relative value of cigarettes in smokers. *Psychopharmacology (Berl)*. 196(4):611-21. PMID: 18038222

Ref ID: 315

Kerr J, Burke B, Petty R, Gough J, Fear D, David M, Axford J, Dalgleish A, Nutt D. (2008) Seven genomic subtypes of Chronic Fatigue Syndrome / Myalgic Encephalomyelitis (CFS/ME): a detailed analysis of gene networks and clinical phenotypes. *J Clin Pathol*. 61: 730-739 PMID: 18057078

Ref ID: 316

Reid AG, Daglish MR, Kempton MJ, Williams TM, Watson B, Nutt DJ, Lingford-Hughes AR (2008) Reduced thalamic grey matter volume in opioid dependence is influenced by degree of alcohol use: a voxel-based morphometry study. *J Psychopharmacol*. 22(1):7-10 PMID: 18187528

Ref ID: 317

Saczewski F, Tabin P, Tyacke RJ, Maconie A, Saczewski J, Kornicka A, Nutt DJ, Hudson AL. (2006) 2-(4,5-Dihydroimidazol-2-yl)benzimidazoles as highly selective imidazoline I2/adrenergic alpha2 receptor ligands. *Bioorg Med Chem*. 14(19):6679-85. PMID: 16782348

Ref ID: 318

Daglish MRC, Williams TM, Wilson SJ, Taylor LG, Eap CB, Augsburger M, Giroud C, Brooks DJ, Myles JS, Grasby P, Lingford-Hughes AR, Nutt DJ. (2008) Brain dopamine response in human heroin addiction. *Brit J Psychiatry* 193: 65-72 PMID: 18700222

Ref ID: 319

Nash JR, Sargent PA, Rabiner EA, Hood SD, Argyropoulos SV, Potokar JP, Grasby PM, Nutt DJ. (2008) A positron emission tomography study of serotonin 5-HT_{1A} receptor availability in untreated and recovered patients with panic disorder. *Brit J Psychiatry* 193: 1-6 PMID: 18757983

Ref ID: 320

Bailey JE, Papadopoulos A, Seddon K, and Nutt DJ (2009) A comparison of the effects of a subtype selective and non-selective benzodiazepine receptor agonist in two CO₂ models of experimental human anxiety *J Psychopharmacol* 23:117-22. PMID: 18562427

Ref ID 322

Abu Ghazaleh H, Lallies MD, Husbands SM, Nutt DJ, Hudson AL (2007) The effect of 1-(4,5-dihydro-1H-imidazol-2-yl) isoquinoline on monoamine release and turnover in the rat frontal cortex.

Neurosci Lett. 422(2):109-13. PMID: 17602837

Ref ID: 323

Thomas L Mulligan M, Mason V, Tallon D, Wiles N, Cowen P, Nutt DJ, O'Donovan M, Sharp D, Peters T, Lewis GABA (2008) GENetic and clinical Predictors Of treatment response in Depression: the GenPod randomised trial protocol *Trials* 2008, 9:29 doi:10.1186/1745-6215-9-29

Ref ID 324

Lingford-Hughes AR, Daglish MRC, Stevenson BJ, Feeney A, Pandit SA, Wilson SJ, Myles J, Grasby PM & Nutt DJ. (2008) Imaging alcohol cue exposure in alcohol dependence using a PET ¹⁵O-H₂O paradigm: results from a pilot study. *Addiction Biology*. 11(1):107-15. PMID: 16759343

Ref ID 326

Taylor C, Nash J, Rich A, Lingford-Hughes A, Nutt DJ, Potokar J [2008] Assessment of GABA-A

benzodiazepine receptor sensitivity in patients with alcohol dependence. *Alcohol and Alcoholism* 43: 614-618 PMID: 18586906
Ref ID 327

Shufflebotham J, Wetherell MA, Hince D, Hood S, Lightman S, Nutt D, Probert C, Potokar J. (2009) Women with diarrhoea-predominant irritable bowel syndrome show an increased pressure response to 35% carbon dioxide stress challenge. *Stress* 12(1):30-6. PMID 18609306
Ref ID 328

Corchs F, Nutt DJ, Hood S, Bernik M (2009) Serotonin and sensitivity to trauma-related exposure in selective serotonin reuptake inhibitors-recovered posttraumatic stress disorder. *Biol Psychiatry* 66: 17-24 PMID: 19268914
Ref ID 329

Maron E, Tammiste A, Kallassalu K, Eller T, Vasar V, Nutt DJ, Metspalu A (2009) Serotonin transporter promoter region polymorphisms do not influence treatment response to escitalopram in patients with major depression *European Neuropsychopharmacology* 19: 451-456 PMID: 19272758
Ref ID 330

Wilson SJ, Bailey JE, Nutt DJ.(2005) Dizziness produced by a potent 5HT(1A) receptor agonist (eptapirone) is not due to postural hypotension. *Psychopharmacology (Berl)*. 179(4):895-6. PMID: 15619110
Ref ID 331

Saczewski F, Kobierska E, Tyacke RJ, Hudson AL, Nutt DJ, Gdaniec M. *Farmaco*. (2005) Synthesis of 2,3,5,6-tetrahydro-3H-imidazo[2,1-b] [1,3,5]benzotriazepines and their oxidative ring contraction into 1-(4,5-dihydro-1H-imidazol-2-yl)-1H-benzimidazoles. *Farmaco* 60(2):127-34. Epub 2004 Dec 24. PMID: 15752471
Ref ID 332

Kornicka A, Saczewski F, Tyacke RJ, Hudson AL, Nutt DJ. (2005) Preparation, structure and affinity for imidazoline I2 receptors and alpha2-adrenoceptors of 1-[(4,5-dihydroimidazolidin-2-yl)imino]indan-2-ols. *Acta Pol Pharm*. 62(6):497-502. PMID: 16583991
Ref ID 333

Anderson NJ, Seif I, Nutt DJ, Hudson AL, Robinson ES.(2006) Autoradiographical distribution of imidazoline binding sites in monoamine oxidase A deficient mice. *J Neurochem* 96(6):1551-9. PMID: 16476082
Ref ID 334

Anderson NJ, Lupo PA, Nutt DJ, Hudson AL, Robinson ES (2005) Characterisation of imidazoline I2 binding sites in pig brain. *Eur J Pharmacol*. 519(1-2):68-74 PMID: 16109401
Ref ID 335

Shufflebotham J, Hood S, Hendry J, Hince DA, Morris K, Nutt D, Probert C, Potokar J (2006) Acute tryptophan depletion alters gastrointestinal and anxiety symptoms in irritable bowel syndrome. *Am J Gastroenterol*. 101(11):2582-7. PMID: 17029611
Ref ID 336

Kerr JR, Petty R, Burke B, Gough J, Fear D, Sinclair LI, Matthey DL, Richards SC, Montgomery J, Baldwin DA, Kellam P, Harrison TJ, Griffin GE, Main J, Enlander D, Nutt DJ, Holgate ST. (2008) Gene expression subtypes in patients with chronic fatigue syndrome/myalgic encephalomyelitis. *J Infect Dis*.

197(8):1171-84.PMID: 18462164
Ref ID 337

Davies SJ, Jackson PR, Lewis G, Hood SD, Nutt DJ, Potokar JP. (2008) Is the association of hypertension and panic disorder explained by clustering of autonomic panic symptoms in hypertensive patients? *J Affect Disord.* 2008 111(2-3):344-50. Epub 2008 Apr 29 PMID: 18448170
Ref ID 338

Maron E, Nutt DJ, Kuikka J, Tiihonen T (2010) Dopamine transporter binding in females with panic disorder may vary with clinical status. *J Psychiatry Research* 44:56-59. PMID: 19467545
Ref ID 339

Tolchard S, Burns PA, Nutt DJ, Fitzjohn SM (2009) Hypothermic responses to infection are inhibited by α_2 -adrenoceptor agonists with possible clinical implications *Brit J Anaesthesia* 103:554-560
Ref ID 340

Carhart-Harris RL, Nutt DJ, Munafo MR, Christmas DM, Wilson SJ. (2009) Equivalent effects of acute tryptophan depletion on REM sleep in ecstasy users and controls. *Psychopharmacology (Berl)*. 206 187-196 2009 PMID: 19585107
Ref ID 341

Argyropoulos SV, Hicks JA, Nash JR, Bell CJ, Rich AS, Nutt DJ, Wilson S (2009) Redistribution of slow wave activity of sleep during pharmacological treatment of depression with paroxetine but not with nefazodone. *J Sleep Res.* 18: 342-348. PMID: 19549078
Ref ID 342

Kimura A, Tyacke RJ, Robinson JJ, Husbands SM, Minchin MC, Nutt DJ, Hudson AL.(2009) Identification of an imidazoline binding protein: creatine kinase and an imidazoline-2 binding site. *Brain Res.* 1279:21-8. PMID: 19410564
Ref ID 343

Paterson L, Wilson S, Nutt Dj, Hutson P, Ivarsson M. (2009) Characterisation of the effects of caffeine on sleep in the rat: a potential model of sleep disruption. *J Psychopharmacol.* 23:475-86. PMID: 19395429
Ref ID 344

Paterson L, Nutt Dj, Ivarsson M, Hutson P, Wilson S. (2009) Effects on sleep stages and microarchitecture of caffeine and its combination with zolpidem or trazodone in healthy volunteers *J Psychopharmacol.* 23:487-94. PMID: 19351801
Ref ID 345

Hood SD, Davies SJ, Nutt DJ. (2009) *Psychopharmacology (Berl)*. 2009 May;203(4):831-3; author reply 835-6. Epub 2008 Dec 13. No abstract available. PMID: 19082991
Ref ID 346

Hood S, Potokar J, Davies S, Hince D, Morris K, Seddon K, Nutt D, Argyropoulos S.(2009) Dopaminergic challenges in social anxiety disorder: evidence for dopamine D3 desensitisation following successful treatment with serotonergic antidepressants. *J Psychopharmacol.* 24:709-16. PMID: 18838500
Ref ID 347

Papadopoulos A, Rich A, Nutt D, Bailey J. (2010) The effects of single dose anxiolytic medication on

the CO2 models of anxiety: differentiation of subjective and objective measures. *J Psychopharmacol.* 24: 649-656. PMID: 18832434

Ref ID 348

Hill LE, Droste SK, Nutt DJ, Linthorst AC, Reul JM. (2010) Voluntary exercise alters GABAA receptor subunit and glutamic acid decarboxylase-67 gene expression in the rat forebrain. *J Psychopharmacol* 24: 745-756. PMID: 18801833

Ref ID 349

Carhart-Harris RL, Nutt DJ, Munafò M, Wilson SJ.(2009) Current and former ecstasy users report different sleep to matched controls: a web-based questionnaire study. *J Psychopharmacol.* 23(3):249-57. PMID: 18562419

Ref ID 350

Maron E, Eller T, vasar V, Nutt DJ (2009) Effects of bupropion augmentation in escitalopram-resistant patients with major depressive disorder ; an open-label naturalistic study. *J clin Psychiatry* 70 :1054-1056

Ref ID 352

Hood S, Hince D, Davies S, Argyropoulos S, Robinson H, Potokar J, Nutt D. (2010) Effects of acute tryptophan depletion in serotonin reuptake inhibitor-remitted patients with generalized anxiety disorder. *Psychopharmacology* 208(2):223-32.

Ref ID 353

Araya R Hu X Heron J Enoch MJ Evans J Lewis GL Nutt DJ Goldman D (2008) Effects of Stressful Life Events, Maternal Depression and 5-HTTLPR Genotype on Emotional Symptoms in Pre-Adolescent Children *Am J Medical Genetics part B: 150B* 670-682

Ref ID 354

Allgulander C, Nutt DJ, Detke M; Erickson J, Spann M, Walker D, Ball SG, Russell JM (2008) A Non-inferiority Comparison of Duloxetine and Venlafaxine in the Treatment of Adult Patients with Generalized Anxiety Disorder. *J Psychopharmacol* 22:417-425

Ref ID 355

Williams TM, Davies SJ, Taylor LG, Daghli MR, Hammers A, Brooks DJ, Nutt DJ, Lingford-Hughes A. (2009) Brain opioid receptor binding in early abstinence from alcohol dependence and relationship to craving: An [(11)C]diprenorphine PET study. *Eur Neuropsychopharmacol.*19(10):740-748.

Ref ID 356

Carhart-Harris RL, Williams TM, Sessa B, Tyacke RJ, Rich AS, Feilding A, Nutt DJ. (2010) The administration of psilocybin to healthy, hallucinogen-experienced volunteers in a mock-functional magnetic resonance imaging environment: a preliminary investigation of tolerability. *J Psychopharmacol.* 2010 May 20. [Epub ahead of print] PMID: 20395317.

Ref ID 357

Carhart-Harris RL, Nutt DJ (2010) User perceptions of the benefits and harms of hallucinogenic drug use: A web-based questionnaire study. *J SUBST USE.* 15:283-300.

Ref ID 358

Stokes PRA, Egerton A, Watson B, Reid A, Breen G, Lingford-Hughes A, Nutt DJ, Mehta MA (2010) Significant decreases in frontal and temporal [11C]-raclopride binding after THC challenge

Neuroimage 52: 1521-1527.
Ref ID 359

Ref ID 360

Bailey JE, Papadopoulos A, Lingford-Hughes A, Nutt DJ. (2007) D-Cycloserine and performance under different states of anxiety in healthy volunteers. *Psychopharmacology (Berl)*. 193(4):579-85. PubMed PMID: 17510758.
Ref ID 361

Hickman M, Lingford-Hughes A, Bailey C, Macleod J, Nutt D, Henderson G. (2008) Does alcohol increase the risk of overdose death: the need for a translational approach. *Addiction*. 103(7):1060-2. Epub 2008 Apr 7. PMID: 18397360.
Ref ID 362

Taylor C, Nash J, Rich A, Lingford-Hughes A, Nutt D, Potokar J. (2008) Assessment of GABAA benzodiazepine receptor (GBzR) sensitivity in patients with alcohol dependence. *Alcohol Alcohol*. 43(6):614-8. PubMed PMID: 18586906.
Ref ID 363

Lingford-Hughes A, Reid AG, Myers J, Feeney A, Hammers A, Taylor L, Rosso L, Turkheimer F, Brooks DJ, Grasby P, Nutt DJ. (2011) A [¹¹C]Ro15 4513 PET study suggests that alcohol dependence in man is associated with reduced {alpha}5 benzodiazepine receptors in limbic regions. *J Psychopharmacol*. Sep 24. PMID: 20870689.
Ref ID 364

Maron E; Tõru I; Hirvonen J; Tuominen L; Lumme V; Vasar V; Shlik J; Nutt DJ; et al. (2011). Gender differences in brain serotonin transporter availability in panic disorder. *J Psychopharmacol*. 25:952-959.
Ref ID 365

Nutt D, Mandel F, Baldinetti F. (2009) Early onset anxiolytic efficacy after a single dose of pregabalin: double-blind, placebo- and active-comparator controlled evaluation using a dental anxiety model. *J Psychopharmacol*. 23(8):867-73.
Ref ID 366

Morgan CJ, Muetzelfeldt L, Muetzelfeldt M, Nutt DJ, Curran HV. (2010) Harms associated with psychoactive substances: findings of the UK National Drug Survey. *J Psychopharmacol*. 24(2):147-53. PMID: 19939875.
Ref ID 367

Rogers PJ, Hohoff C, Heatherley SV, Mullings EL, Maxfield PJ, Evershed RP, Deckert J and Nutt DJ (2010) Association of the anxiogenic and alerting effects of caffeine with *ADORA2A* and *ADORA1* polymorphisms and habitual level of caffeine consumption. *Neuropsychopharmacology* 35: 1973-83. PMID: 20520601
Ref ID 368

Guloksuz S, Cetin EA, Cetin T, Deniz G, Oral ET, Nutt DJ. (2010) Cytokine levels in euthymic bipolar patients. *J Affect Disord*. 126(3):458-62. PMID: 20537397.
Ref ID 368

Nutt DJ, King LA, Phillips LD (2010) Drug harms in the UK: a multicriteria decision analysis. *Lancet* 376: 1558-65.
Ref ID 369

Christmas DM, Badawy AA, Hince D, Davies SJ, Probert C, Creed T, Smithson J, Afzal M, Nutt DJ, Potokar JP. (2010) Increased serum free tryptophan in patients with diarrhea-predominant irritable bowel syndrome. *Nutr Res.* 30(10):678-88. PMID: 21056283.
Ref ID 370

Papadopoulos A, Chandramohan Y, Collins A, Droste SK, Nutt DJ, Reul J M.H.M (2011). GABAergic control of novelty stress-responsive epigenetic and gene expression mechanisms in the rat dentate gyrus. *European Neuropsychopharmacology* 21: 316-324
PMID: 20627472.
Ref ID 371

Hood SD, Melichar JK, Taylor LG, Kalk N, Edwards TR, Hince DA, Lenox-Smith A, Lingford-Hughes AR, Nutt DJ. (2011) Noradrenergic function in generalized anxiety disorder: impact of treatment with venlafaxine on the physiological and psychological responses to clonidine challenge. *J Psychopharmacol.* 25(1):78-86. PMID: 20093317.
Ref ID 372

Bell C, Hood S, Potokar J, Nash J, Adrover M, Frampton C, Hince D, Rich A, Argyropoulos S, Nutt D. (2011) Rapid tryptophan depletion following cognitive behavioural therapy for panic disorder. *Psychopharmacology (Berl).* 213(2-3):593-602. PMID: 19823804.
Ref ID 373

Cooper RM, Bailey JE, Diaper A, Stirland R, Renton LE, Benton CP, Penton-Voak IS, Nutt DJ, Munafo MR. (2011) Effects of 7.5% CO₂ inhalation on allocation of spatial attention to facial cues of emotional expression. *Cogn Emot.* 25(4):626-38. PMID: 21547765.
Ref ID 374

Owen DR, Lewis AJ, Reynolds R, Rupprecht R, Eser D, Wilkins MR, Bennacef I, Nutt DJ, Parker CA. (2011) Variation in binding affinity of the novel anxiolytic XBD173 for the 18 kDa translocator protein in human brain. *Synapse* 65(3):257-9. PMID: 21132812.
Ref ID 375

Watson BJ; Wilson S; Griffin L; Kalk NJ; Taylor LG; Munafo MR; Lingford-Hughes AR; Nutt DJ. (2011). A pilot study of the effectiveness of D-cycloserine during cue-exposure therapy in abstinent alcohol-dependent subjects. *Psychopharmacology* 216:121-129.
Ref ID 376

Seddon K, Morris K, Bailey J, Potokar J, Rich A, Wilson S, Bettica P, Nutt DJ. (2011) Effects of 7.5% CO₂ challenge in generalized anxiety disorder. *J Psychopharmacol.* 25(1):43-51. PMID: 20233897.
Ref ID 377

Lewis G, Mulligan J, Wiles N, Cowen P, Craddock N, Ikeda M, Grozeva D, Mason V, Nutt D, Sharp D, Tallon D, Thomas L, O'Donovan MC, Peters TJ. (2011) Polymorphism of the 5-HT transporter and response to antidepressants: randomised controlled trial. *Br J Psychiatry.* 198(6):464-71. PMID: 21263010.
Ref ID 378

Stone J, Dietrich C, Edden R, Mehta M, De Simoni S, Reed L, Krystal J, Nutt DJ, Barker G. (2011) Ketamine effects on brain GABA and glutamate levels with 1H-MRS: relationship to ketamine-induced psychopathology. *Mol Psychiatry* (in press)
Ref ID 379

Blanca M Bolea-Alamanac, Simon JC Davies, David M Christmas, Hazel Baxter, Sarah Cullum and David J Nutt (2011) Cyproterone to treat aggressivity in dementia: a clinical case and systematic review *J Psychopharmacol* 2011 25: 141
Ref ID 380

Carhart-Harris RL, Leech R, Williams TM, Erritzoe D, Abassi N, Bargiotis T, Hobden P, Sharp DJ, Evans J, Feilding A, Wise RG, Nutt DJ (2012) Implications for psychedelic-assisted psychotherapy: a functional magnetic resonance imaging study with psilocybin *British J Psychiatry*
10.1192/bjp.bp.111.103309
Ref ID 381

Carhart-Harris RL, Erritzoe D, Williams TM, Stone JM, Reed LR, Colasanti A, Tyacke RJ, Leech R, Malizia AL, Murphy K, Hobden P, Evans J, Feilding A, Wise RG, Nutt DJ (2012) Neural correlates of the psychedelic state as determined by fMRI studies with psilocybin *PNAS* 1-6
10.1073/pnas.1119598109
Ref ID 382

David Nutt¹, Yossi Zohar¹, David Kupfer², Michael Spedding³, Stephen Stahl⁴ Shigeto Yamawaki (2012) Psychotropic drugs – time for a new nomenclature? *European Neuropsychopharmacology* (in press)
Ref ID 383

Mendez, Maria Andreina^{a,b}; Horder, Jamie^a; Myers, Jim^c; Coghlan, Suzanne^a; Stokes, Paul^b; Erritzoe, David^b; Howes, Oliver^a; Lingford-Hughes, Anne^b; Murphy, Declan^a; Nutt, DJ (2102) The brain GABA-benzodiazepine receptor alpha-5 subtype in autism spectrum disorder: A pilot [¹¹C]Ro15-4513 positron emission tomography study. *Neuropharmacology* (in press)
Ref ID 384

Amy Green, Arun Kaul, Jacinta O'Shea, Ekta Sharma, Lisa Bennett, Emma L Mullings, Marcus R Munafò, David J Nutt, Jan K Melichar, and Lucy F Donaldson Opiate agonists and antagonists modulate taste perception in opiate-maintained, and recently detoxified subjects.
Ref ID 385

Paul RA Stokes¹, Aaf Benecke¹, Jim Myers¹, Ben Watson¹, Nicola Kalk¹, Daniela Riano Barros, David Nutt¹ & Anne R Lingford-Hughes¹ (2012) History of cigarette smoking is associated with increased limbic GABA_A receptor availability
Ref ID 386

Carhart-Harris RL^{1,3}, Leech R², Erritzoe D¹, Williams TM³, Stone JM¹, Hobden P⁴, Evans J⁴, Sharp DJ², Feilding A⁵, Wise RG⁴, Nutt DJ^{1,3} (2012) Imaging the brain mechanisms of disturbed ego-boundaries following psilocybin: a model for prodromal psychosis? *Schizophrenia Research* (in press)
Ref ID 387

Stokes Paul Receptor, Egerton A, Watson Ben; Nutt DJ Lingford-Hughes AR (2012) History of cannabis use is not associated with alterations in striatal dopamine D-2/D-3 receptor availability. *JOURNAL OF PSYCHOPHARMACOLOGY* Volume: 26 Issue: 1 Special Issue: SI Pages: 144-149 DOI: 10.1177/0269881111414090 Published: JAN 2012
Ref ID 388

Diaper A, Osman-Hicks V, Rich AS, Kevin Craig², Colin T Dourish², Gerard R Dawson², David J Nutt³ and Bailey JE (2012) Evaluation of the effects of venlafaxine and pregabalin on the carbon dioxide inhalation models of Generalised Anxiety Disorder and panic. *Journal of Psychopharmacology* Ref ID 389

Carhart-Harris R. L.; King L. A.; Nutt D. J. (2012) A web-based survey on mephedrone DRUG AND ALCOHOL DEPENDENCE Volume: 118 Issue: 1 Pages: 19-22 DOI: 10.1016/j.drugalcdep.2011.02.011 Publ OCT 1 2011 Ref ID 390

Bailey Jayne E.; Dawson Gerard R.; Dourish Colin T.; Nutt DJ (2012) Validating the inhalation of 7.5% CO₂ in healthy volunteers as a human experimental medicine: a model of generalized anxiety disorder (GAD) *JOURNAL OF PSYCHOPHARMACOLOGY* Volume: 25 Issue: 9 Special Issue: SI Pages: 1192-1198 DOI: 10.1177/0269881111408455 Published: SEP 2011 Ref ID 391

Bailey Jayne E.; Papadopoulos Andreas; Diaper Alison; et al.(2012) Preliminary evidence of anxiolytic effects of the CRF(1) receptor antagonist R317573 in the 7.5% CO₂ proof-of-concept experimental model of human anxiety *JOURNAL OF PSYCHOPHARMACOLOGY* Volume: 25 Ref ID 392

Colasanti A, Searle GE, Long CJ, Hill SP, Reiley RR, Quelch D, Erritzoe D, Tziortzi AC, Reed LJ, Lingford-Hughes AR, Waldman AD, Schruers KR, Matthews PM, Gunn RN, Nutt DJ, Rabiner EA. (2012) Endogenous Opioid Release in the Human Brain Reward System Induced by Acute Amphetamine Administration. *Biol Psychiatry*. 2012 Mar 2. [Epub ahead of print] Ref ID 393

Tyacke RJ, Fisher A, Robinson ES, Grundt P, Turner EM, Husbands SM, Hudson AL, Parker CA, Nutt DJ. (2012) Evaluation and initial in vitro and ex vivo characterisation of the potential positron emission tomography ligand, BU99008 (2-(4,5-Dihydro-1H-imidazol-2-yl)-1-methyl-1H-indole), for the Imidazoline(2) binding site. *Synapse* Jan 31. doi: 10.1002/syn.21541. [Epub ahead of print] Ref ID 394

Carhart-Harris RL, Leech R, Williams TM, Erritzoe D, Abbasi N, Bargiotas T, Hobden P, Sharp DJ, Evans J, Feilding A, Wise RG, Nutt DJ. (2012) Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. *Br J Psychiatry*. Mar;200:238-44. Epub 2012 Jan 26 Ref ID 395

Davies SJ, Bjerkeset O, Nutt DJ, Lewis G. (2012) A U-shaped relationship between systolic blood pressure and panic symptoms: the HUNT study. *Psychol Med*. 2 Jan 17:1-8. [Epub ahead of print] Ref ID 396

Bould H, Wiles N, Potokar J, Cowen P, Nutt DJ, Peters TJ, Lewis G. (2012) Does baseline fatigue influence treatment response to reboxetine or citalopram in depression? An open label randomized controlled trial. *J Psychopharmacol*. 2012 Jan 4. [Epub ahead of print] Ref ID 397

Myers JF, Rosso L, Watson BJ, Wilson SJ, Kalk NJ, Clementi N, Brooks DJ, Nutt DJ, Turkheimer FE, Lingford-Hughes AR. (2102) Characterisation of the contribution of the GABA-benzodiazepine α 1

receptor subtype to [(11)C]Ro15-4513 PET images. *J Cereb Blood Flow Metab.* 2012 Jan 4. doi: 10.1038/jcbfm.2011.177. [Epub ahead of print]
Ref ID 398

Stone JM, Dietrich C, Edden R, Mehta MA, De Simoni S, Reed LJ, Krystal JH, Nutt D, Barker GJ. (2012) Ketamine effects on brain GABA and glutamate levels with 1H-MRS: relationship to ketamine-induced psychopathology. *Mol Psychiatry* Jan 3. doi: 10.1038/mp.2011.171. [Epub ahead of print]
Ref ID 399

Wiles NJ, Mulligan J, Peters TJ, Cowen PJ, Mason V, Nutt D, Sharp D, Tallon D, Thomas L, O'Donovan MC, Lewis G. (2012) Severity of depression and response to antidepressants: GENPOD randomised controlled trial. *Br J Psychiatry.* 2012 Feb;200:130-6. Epub 2011 Dec 22.
Ref ID 400

Clark L, Stokes PR^b, Kit Wu ^c, Rosanna Michalczuk ^a, Aaf Benecke ^b, Ben J. Watson ^d, Alice Egerton ^e, Paola Piccini ^c, David J. Nutt ^b, Henrietta Bowden-Jones H, Lingford-Hughes AR (2012) Striatal dopamine D2/D3 receptor binding in pathological gambling is correlated with mood-related impulsivity *Neuroimage* 63:40-46 doi:10.1016/j.neuroimage.2012.06.067
Ref ID 401

Toru I Maron E Nutt DJ Schlick [2013] The effect of 6-week treatment with escitalopram on CCK-4 challenge: a placebo-controlled study in CCK-4-sensitive healthy volunteers *Psychopharmacology* [in press]
Ref ID 402

Kealey S, Turner EM, Husbands SM, Salinas CA, Jakobsen S, Tyacke SJ, Nutt DJ, Parker CA, Gee AD(2013) Imaging Imidazoline-I₂ Binding Sites in Porcine Brain using [¹¹C]BU99008 *Synapse* [in press]
Ref ID 403

Mitchell EM, Marston HM, Nutt DJ, Robinson ESJ (2012) Evaluation of an operant successive negative contrast task as a method to study affective state in rodents. *Behavioural Brain Research* 234 (2012) 155–160
Ref ID 404