Curriculum Vitae

Nagi F Idris

Professor of Pharmacology
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https://scholar.google.co.uk/citations?user=XW5bh_MAAAAJ&hl=en



Biography

For over 24 years, I've specialized in psychopharmacology, particularly in treating psychiatric disorders. I've collaborated widely in academia and industry, contributing to various research projects and publishing in top journals. I've also presented my findings at international conferences, earning recognition for my dedication. In addition to research, I play a key role in teaching medical and pharmacy students, designing modules, and guiding activities. My teaching methods include lectures, practical sessions, problem-based learning, tutorials, workshops, and project supervision. I'm also actively involved in mentoring postgraduates and final-year students across a range of research topics education.

Employment

Professor of Pharmacology
University of Tobruk, Libya
September 2018 – Present

Academic Visitor
Faculty of Medicine and Health, University of Manchester, UK
May 2018 – 2020

Associate Professor of Pharmacology
University of Tobruk, Libya
July 2016 – September 2018

Dean, School of Pharmacy
Omar Al-Mukhtar University, Libya
December 2012 – June 2015

Lecturer in Pharmacology
University of Bradford, UK
September 2005 – April 2011

Qualifications

2018: Fellow of Higher Education Academy
2005: PhD in Neuropsychopharmacology, University of Bradford, UK
1996: BSc in pharmaceutical Science, University of Benghazi
1991: Diploma in Biology

Professional Memberships

Schizophrenia International Research Society, since 03/2008
European College of Neuropsychopharmacology, since 03/2006
Society for Neuroscience, since 03/2004
Federation of European Neuroscience Societies, since 01/2004
British Neuroscience Association, since 03/2003
British Pharmacological Society, since 12/2002
British Association for Psychopharmacology, since 07/2002

Teaching Experience:

With extensive experience as a pharmacology lecturer in both the UK and Libya, I bring a strong academic background, holding a BSc in Pharmacy from the University of Benghazi (1996) and a PhD in Psychopharmacology from the University of Bradford (2005). This foundation enables me to effectively teach and mentor undergraduate and postgraduate students, designing modules, planning activities, and supervising research projects. My teaching methods range from traditional lectures to hands-on sessions and specialized tutorials, supported by online resources for self-study. I prioritize student engagement and feedback, continuously refining course content to meet their needs. Additionally, as an external examiner, I contribute to enhancing pharmacy and medical school curricula globally, fostering collaboration and knowledge exchange in higher education.

Administrative Experience:

Dean, School of Pharmacy
Omar Al-Mukhtar University, Libya
June 2012 – June 2015, Led the School of Pharmacy at Omar Al-Mukhtar University, Libya from June 2012 to June 2015. Responsibilities included overseeing academic programs, faculty management, and fostering a conducive learning environment for students.

Editorial Board and Reviewing

Editor-in-chief of Tobruk University Journal of Medical Sciences
I have acted as a peer reviewer for the following journals:
Behavioral Brain Research
Neuropsychopharmacology journal
Journal of Neuroscience

Recent Publications

Hjorth S, Waters S, Waters N, Tedroff J, Svensson P, Fagerberg A, Edling M, Svanberg B, Ljung E, Gunnergren J, McLean SL, Grayson B, **Idris NF**, Neill JC, Sonesson C. (2020) (3S)-3-(2,3-difluorophenyl)-3-methoxypyrrolidine (IRL752) -a Novel Cortical-Preferring Catecholamine Transmission- and Cognition-Promoting Agent. J Pharmacol Exp Ther.; Sep;374(3):531-532. PMID: 32605972.

I Mitsadali, B Grayson, **NF Idris**, L Watson, M Burgess, J Neill (2020) Aerobic exercise improves memory and prevents cognitive deficits of relevance to schizophrenia in an animal model J Psychopharmacol. Jul;34(7):695-708. .

Nagi F. Idris (2017), Atypical Antipsychotic Prevents and Reverses Negative Symptoms in Models of Schizophrenia. International Neuropsychiatric Disease Journal, 2321-7235,9: 3

Kirshenbaum GS, **Idris NF**, Dachtler J, Roder JC, Clapcote SJ (2016). Deficits in social behavioral tests in a mouse model of alternating hemiplegia of childhood. J Neurogenet. ;30(1):42-9

Idris N. (2014) Clozapine but not Haloperidol Prevents and Reverses a Sub-chronic PCP-induced Cognitive Deficit in the Attentional Set-Shifting Task in the Rat.. J Pharm Biomed Sci 2014;04(07):623-632. Available at www.jpbms.info

McLean SL, **Idris N**, Grayson B, Gendle D, Mackie C, Lesage A, Pemberton DJ, Neill J. (2012). PNU-120596, a positive allosteric modulator of α7 nicotinic acetylcholine receptors, reverses a sub-chronic phencyclidine-induced cognitive deficit in the attentional set-shifting task in female rats. J Psychopharmacol. 26(9):1265-70

Large CH, Bison S, Sartori I, Read KD, Gozzi A, Quarta D, Antolini M, Gill CH, Hollands E, Gunthorpe MJ**, Idris N**, Neill J, Alvaro GS. (2011). The efficacy of sodium channel blockers to prevent PCP-induced cognitive dysfunction in the rat: Potential for novel treatments for schizophrenia. J Pharmacol Exp Ther.

Snigdha S, **Idris N**, Grayson B, Shahid M, Neill JC. (2011). Asenapine improves phencyclidine-induced object recognition deficits in the rat: evidence for engagement of a dopamine D1 receptor mechanism. Psychopharmacology (Berl) 214(4):843-53.

Sood P, **Idris NF**, Cole S, Grayson B, Neill JC, Young AM. (2010). PD168077, a D4 receptor agonist, reverses object recognition deficits in rats: potential role for D4 receptor mechanisms in improving cognitive dysfunction in schizophrenia.J Psychopharmacol.

Neill JC, Barnes S, Cook S, Grayson B, **Idris NF**, McLean SL, Snigdha S, Rajagopal L, Harte MK. (2010) Animal models of cognitive dysfunction and negative symptoms of schizophrenia: focus on NMDA receptor antagonism. Pharmacol Ther. 128(3):419-32.

McLean SL, Grayson B, **Idris NF**, Lesage AS, Pemberton DJ, Mackie C, Neill JC. (2011) Activation of α7 nicotinic receptors improves phencyclidine-induced deficits in cognitive tasks in rats: implications for therapy of cognitive dysfunction in schizophrenia. Eur Neuropsychopharmacol. 2011 Apr; 21(4):333-43.

McLean SL, Neill JC, **Idris NF**, Marston HM, Wong EH, Shahid M. (2010). Effects of asenapine, olanzapine, and risperidone on psychotomimetic-induced reversal-learning deficits in the rat. Behav Brain Res. 14(2):240-7.

Idris N, Neill J, Grayson B, Bang-Andersen B, Witten LM, Brennum LT, Arnt J. (2010). Sertindole improves sub-chronic PCP-induced reversal learning and episodic

memory deficits in rodents: involvement of 5-HT (6) and 5-HT (2A) receptor mechanisms.Psychopharmacology (Berl).208(1):23-36.

Idris NF, Neill JC, Large CH. (2009). Comparison of the efficacy of two anticonvulsants, phenytoin and valproate to improve PCP and d-amphetamine induced deficits in a reversal learning task in the rat. Front Behav Neurosci.

McLean SL, **Idris NF**, Woolley ML, Neill JC. (2009). D (1)-like receptor activation improves PCP-induced cognitive deficits in animal models: Implications for mechanisms of improved cognitive function in schizophrenia. Eur Neuropsychopharmacol 19(6):440-50.

Grayson B, **Idris NF**, Neill JC. (2007). Atypical antipsychotics attenuate a sub-chronic PCP-induced cognitive deficit in the novel object recognition task in the rat. Behav Brain Res. 184(1):31-8.

Idris NF, Repeto P, Neill JC, Large CH. (2005). Investigation of the effects of lamotrigine and clozapine in improving reversal-learning impairments induced by acute phencyclidine and D-amphetamine in the rat. Psychopharmacology (Berl). 179(2):336-48.

Conference Publications

Idris NF, Neill JC, Grayson B, Podda G, Burgess M, Watson L, Munni S, Marasco A, Alvaro G, Large C (2019) Development of novel and selective Kv3.1/3.2 channel modulators with improved potency for the treatment of social and cognitive deficits in schizophrenia. Abstract Viewer/Itinerary Planner, Society for Neuroscience, Online: https://www.abstractsonline.com/pp8/#!/7883/presentation/66004

A. J. GROTTICK, B. GRAYSON, G. PODDA, N. IDRIS, J. C. NEILL, S. HOBSON (2019) GPR52 agonists represent a novel approach to treat unmet medical need in schizophrenia. Abstract Viewer/Itinerary Planner, Society for Neuroscience, Online: https://www.abstractsonline.com/pp8/#!/7883/presentation/45682

Idris NF, Neill JC, Grayson B, Podda G, Burgess M, Watson L, Munni S, Marasco A, Alvaro G, Large C (2019) Comparing novel selective kv3.1/3.2 channel modulators for efficacy to restore cognitive and social behaviour deficits of relevance to schizophrenia in an animal model. Online British Association of Psychopharmacology 2019 Publications

Mitsadali I, Metcalf TO, Burgess MA, Watson LJ, Podda G, Munni STM, **Idris NF**, Neill JC (2019) Investigation into the beneficial effects of aerobic exercise on cognitive function in rodents Online British Association of Psychopharmacology 2019 Publications

Burgess MA, Munni S, Podda G, Grayson B, **Idris NF**, Neill JC (2019) Effects of handling in rats as a form of environmental enrichment on cognition in the sub-chronic phencyclidine model for schizophrenia. Online British Association of Psychopharmacology 2019 Publications

Grayson B, Iacovelli L, Podda G, **Idris NF**, Munni STM, Di Cicco G, Ngomba RT, Neill JC (2018) differential effects of mglu5 positive allosteric modulators on cognition and prefrontal cortex signalling in the sub-chronic pcp animal model Online: https://www.bap.org.uk/pdfs/BAP2018_PosterList.pdf

Ben Grayson, Victoria Fasolino, Michelle Edye, Joanna Oladipo, **Nagi Idris**, Michael Harte, Joanna C Neill, (2017). Cognitive and social behaviour deficits at adulthood in female rat offspring of Poly I:C treated rat dams, a developmental model for schizophrenia. Journal of Psychopharmacology, 31, Suppl (8), A115

Joanna C Neill, Victoria Fasolino, Katie Murray, Michelle E Edye, Joanna Oladipo, Daniela Cadinu, **Nagi Idris**, Ben Grayson, Michael K Harte, Irene Knuesel, Eric

Prinssen (2017) Behavioural consequences of maternal immune activation in the offspring, 26th Annual Meeting of the International Behavioral Neuroscience Society. Online: http://www.ibnsconnect.org/assets/docs/2017ibnsprogram.pdf

Nagi F. Idris (2014) Clozapine but not haloperidol prevents and reverses a sub-chronic PCP-induced cognitive deficit in the attentional set-shifting task in the Rat. Program No.: 842.18/SS52. Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2014. Online.

Adham, Nika & Gyertyan, Istvan & Kiss, Béla & **Idris, Nagi** & Mclean, Samantha & Grayson, Ben & Yoshitake, Takashi & Kehr, Jan & Neil, Jo. (2012). Cariprazine Attenuates PCP-Induced Increases in Extracellular Prefrontal Cortical Glutamate Levels and Improves PCP-Induced Deficits in Cognition and Social Behavior. 39S-39S.

McLean SL, **Idris NF**, Marsh S, Zarroug SHO, Grayson, Harte MK, Neill JC. (2012). Effects of selective nicotinic agonists in two cognitive domains and in two models of TD05 cognitive impairment in female rats: relevance for improving treatment of schizophrenia and Alzheimer's disease. July summer bap 2012 meeting. http://bap.org.uk/pdfs/BAP_Programme_2012.pdf

Idris NF, Grayson, Harte MK, Neill JC. (2011). A four-stage reversal learning paradigm: A new pre-clinical task to compare the efficacy of novel cognitive enhancers Program No. 404.20/YY47, Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online

N. Wegener, C. Chambon, C. Jatzke, A. Gravius, B. Grayson**, N. Idris**, S. Mclean, J Neill, M. Pietraszek1, W. Danysz. (2011). BQCA, a positive allosteric modulator of the muscarinic M1 receptor shows efficacy in two tasks relevant for cognitive impairment in schizophrenia. 899.06/HH20, Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

N. Idris, B. Grayson, S. McLean, M. Harte, J. Neill, J. Arnt, (2011). A four-stage reversal learning paradigm: a new technique for comparing antipsychotic efficacy for cognition European Neuropsychopharmacology, 21, Suppl 3, S330.

Idris NF, Grayson B., McLean SL, Harte MK, Neill JC . (2011). The sub-chronic PCP induced deficits in novel object recognition are selectively attenuated by cognitive enhancers, Journal of Psychopharmacology, 25 (8) Suppl, A18.

McLean SL, Marsh S, Zarroug SHO, Grayson B, **Idris NF**, Harte MK, Neill JC (2011). Comparison of the efficacy of tacrine and memantine to improve object recognition memory deficits induced by a 6 and 24-hour inter-trial interval in female rats. Program No. 934.20. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience. Online.

McLean SL, **Idris NF**, Marsh S, Grayson G, Harte MK, Neill JC (2011). Donepezil improves cognition in two cognitive domains and in two models of cognitive impairment in female rats. European Neuropsychopharmacology, 21, Suppl 3, S330.

Nagi Idris, Ben Grayson, Mike Harte, Jo Neill, (2010). Investigation the role of dopamine and 5HT1A receptors in the reversal of sub-chronic phencyclidine induced deficits in cognition and social behavior, by the atypical al antipsychotic clozapine. Schizophrenia Research 117 104–535, page 376.

McLean SL, **Idris NF**, Grayson G, Lesage AS, Pemberton DJ, Neill JC (2010). Activation of α7 nicotinic receptors improves phencyclidine-induced deficits in cognitive tasks in rats: implications for therapy of cognitive dysfunction in schizophrenia. Journal of Psychopharmacology, 24 (3) Suppl, A16.

Grayson B, Zarroug S, gendle D, **Idris NF**, Neill JC (2010). Sub-chronic PCP impairs working memory in female rats: Evidence from performance in the 16-holeboard maze. Journal of Psychopharmacology, 24 (3) Suppl, A18.

Nagi F. Idris, Ben Grayson, Michael K. Harte, Samantha L. McLean, Jo C. Neill, (2009). Targeting the dopamine D1 to improve cognitive dysfunction in schizophrenia. Journal of Psychopharmacology, 23, Suppl (6), A85.

Nagi Idris, Ben Grayson, Norazrina Azmi, Jo Neill, (2009). Clozapine but not Haloperidol Prevents and Reverses a Sub-Chronic PCP-Induced Cognitive Deficit in the Novel Object Recognition Task in the Rat Society of Biological Psychiatry's 64th Annual Scientific, Vancouver, Canada, presentation Number:160 Online.

Nagi F. Idris, Ben Grayson, Samantha L. McLean, Jo C. Neill, (2008). Dopamine D1 receptor activation reverses PCP-induced reversal learning and episodic memory deficits in the rat: relevance for cognitive deficit symptoms of schizophrenia. Program No.: 685.4/SS44. Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2008. Online.

Idris NF, Grayson B, Neill, JC, (2008). Nicotine antagonises PCP-induced reversal learning and memory deficits involvement of dopaminergic neurotransmission at D1 receptors. Journal of Psychopharmacology, 22, Suppl (5), A47.

Jo Neill, Ben Grayson, **Nagi Idris**, John Waddington, Jorn Arnt (2008) Sertindole Improves PCP Induced Social Withdrawal Deficits in Female Rats: Implications for the Treatment of Negative Symptoms of Schizophrenia. American Collage of Neuropsychopharmacology, 47th Annual General Meeting Programme., Scottsdale, Arizona, Fairmont Scottsdale Princess.

Idris N.F, Grayson B., Neill, J.C, (2008). Lack of efficacy of fluoxetine, chlordiazepoxide and clonidine to improve the selective impairment in reversal learning induced by PCP (phencyclidine) in the rat. Schizophrenia Research, vol.102 no.2 (Supplement), 62-62

Idris, N.F, Grayson B., Neill, J.C (2007). D-cycloserine improves an impairment in reversal learning induced by phencyclidine in the rat. The Journal of the European College of Neuropsychopharmacology, Volume 17 Supplement 4, Page S243.

Nagi F. Idris, Jo. C. Neill, Terri A Branchek1, Jørn Arnt1 (2007) Sertindole Improves a Subchronic Phencyclidine-Induced Reversal Learning Deficit in Rats: Potential Pharmacological Mechanisms, American Collage of Neuropsychopharmacology. 46th Annual Meeting Programme, Boca Raton, Florida Boca Raton Resort.

S.L. McLean, G.K. Shemar, **N.F. Idris**, K.M. Marshall, J.C. Neill (2007). Deficits in attentional set-shifting in rats following sub-chronic phencyclidine (PCP) administration, effect of gender. The Journal of the European College of Neuropsychopharmacology, Volume 17 Supplement 4, Page S275.

Idris, N.F, Grayson B., Neill, J.C (2007). Nicotine improves a selective reversal learning deficit induced by phencyclidine (PCP) in the rat. Journal of Psychopharmacology, 21, Suppl (7), A23.

Grayson B, Oley FE, **Idris N**, Kapur S, Neill JC (2007) D-amphetamine sensitisation dosing regimen induces a cognitive deficit in the rat. Journal of Psychopharmacology, 21, Suppl (7), A24.

Idris, N.F, Grayson B., Neill, J.C (2006). The emerging role of NMDA receptor hypofunction in mediation of reversal learning deficits in the rat. Journal of Psychopharmacology, 20, Suppl (5), A68.

Gold, LH; Azar, MR; Geyer, MA; **Idris, N. F**. (2006). Asenapine attenuates drug-induced deficits in prepulse inhibition and reversal learning in rats. International Journal of Neuropsychopharmacology, 9: S133-S133.

Jo C. Neill, **Nagi F. Idris**, Robert H. Roth, Hugh Marston, Mohammed Shahid, Erik H. Wong. (2006). Asenapine: Effect on a Subchronic Phencyclidine-Induced Reversal Learning Deficit in Rats. American Collage of Neuropsychopharmacology, American Collage of Neuropsychopharmacology, 45th Annual General Meeting Programme. The Westin Diplomat, Hollywood, Florida.

Neill JC, Shahid M, Wong EHF, **Idris NF**. (2006). Comparison of the efficacy of asenapine, risperidone and olanzapine to improve a reversal-learning deficit in the rat. Schizophrenia Research 81: 105-106 Suppl. S. Jan

Idris, N.F, Grayson B., Neill, J.C (2006) Effect of lithium on the deficit in performance of a reversal learning task induced by phencyclidine in the rat. European Neuropsychopharmacology, 16: S56-S57 Suppl., S1-S100

Idris, N.F, Grayson B., Platford, E. Neill, J.C. (2005). The ability of antipsychotic to prevent a sub chronic PCP-induced cognitive deficit in the novel object recognition task in the rat. Program No. 67.15.Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. Online.

Idris, N.F., Neill, J.C., Dawson, L. A., Jones, D.N.C., Kalinichev, M L., Large, C.H., Harte, M. K., Reynolds G.P., Reynolds L. M. (2005). Investigation into the effects of acute and sub-chronic phencyclidine treatment on brain tissue N-acetylaspartate levels in the rat. British Journal of Pharmacology, Vol 2, Issue 4, abstract 067.

Idris, N.F., Dawson, L. A., Hughes, Z. A., De la Flor, R.F., Jones, D.N.C., Large, C.H, Kalinichev, M., Neill, J.C. (2004). Effects of lamotrigine, clozapine, and haloperidol on PCP-induced changes in steady state brain tissue amino acid levels in the rat. Program No. 695.9. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

Idris, N.F., Dawson, L. A., Hughes, Z. A., De la Flor, R.F., Jones, D.N.C., Large, C.H, Kalinichev, M., Neill, J.C. (2004) Investigation of the effects of acute phencyclidine (PCP) administration on steady state brain tissue amino acid levels in the rat. FENS abstract; Vol 2, A078.13

Idris, N.F., Large, C.H., Reynolds, G.P. & Neill, J.C. (2004). Lamotrigine and clozapine reverse an established cognitive deficit induced by sub-chronic PCP (phencyclidine) in the rat. British Journal of Pharmacology, Volume 1(3), 056P.

Idris, N.F., Large, C.H., Reynolds, G.P. & Neill, J.C. (2003). An investigation into the ability of two anticonvulsants, phenytoin and valproate to improve PCP and d-amphetamine induced deficits in a reversal learning task in the rat. Journal of Psychopharmacology, 17, Suppl (3), A69.

Idris, N.F., Large, C.H., Reynolds, G.P. & Neill, J.C. (2003). Haloperidol, but not clozapine or lamotrigine, improves the impairment in reversal learning induced by d-amphetamine in the rat, British Neuroscience. Association., Abstract., Vol 17, 105P.

Idris, N.F., Large, C.H. & Neill, J.C. (2003). The anticonvulsant lamotrigine improves the selective impairment in reversal learning induced by PCP (phencyclidine) in the in the rat. British Journal of Pharmacology, 138, 106P.