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| **Dr Linda Ferrington** | | | |
| ***Email:*** | l.ferrington@unsw.edu.au | ***Address:*** | 13 Amaroo Parade,  Port Macquarie, NSW 2444 |
| ***Telephone:*** | 0413 225 941 |

**Professional and Research Experience**

* **May 2019 – present: Director of Research, Rural Clinical School (RCS), Medicine, UNSW Sydney**
* Co-ordinating independent learning programme (research year) at Port Macquarie Campus – organising research projects for 13+ students, assisting supervisor and students with project design, ethics applications, statistical support.
* Supports RCS UNSW researchers in the development, preparation and submission of research grant applications and oversees negotiation and administration of research awards, contracts and consulting research
* **May 2019 – present: Post-Graduate Co-ordinator, Rural Clinical School, Medicine, UNSW Sydney, Port Macquarie Campus**
* Responsible forestablishing and maintaining procedures for selecting appropriate supervision and ensuring that supervisors in the RCS undergo appropriate supervisory training as required, ensuring an appropriate research topic and achievable timeline is agreed upon for candidates, helping candidates effectively use the research infrastructure of the school, and providing appropriate space and resources to carry out the approved research program.
* **February 2017 – present: Senior Lecturer and Phase 1 Academic Programme Co-ordinator,** **Rural Clinical School**
* Convene and manage Phase 1 (years 1 and 2) Medicine programme
* Providing effective leadership within phase 1 at the RCS by way of strategy, policy, decision making and management of the medicine programme.
* Providing effective leadership on the initiation of new academic developments
* Co-ordinating and Teaching Phase 1 medicine; reviewing teaching, learning and assessment activities.

**September 2015 – February 2017: Associate Lecturer; The Science of the Mind, Open University**

* Teaching and mentoring of students learning in an online format
* Developing online learning materials for neuroscience/mental health

**January 2014 – February 2017: Lecturer, Biological Sciences, Queen Margaret University, School of Health Science**

* Teaching and module lead on a range of undergraduate and post-graduate degree programmes including Applied Pharmacology, Human Biology, Nutrition, Dietetics, Speech and Language Therapy, Psychology, Nursing, Podiatry.
* Module co-ordinator for several undergraduate and post-graduate modules, including Neuroscience, Cell Biology and Human Physiology, Determinants of health, Drug abuse and Addiction, Performance Enhancing Drugs, Current Issues in Health
* Designing, preparing, delivering and evaluating lectures, tutorials, laboratory practical classes and computer simulation workshops for undergraduate and post-graduate students.
* Design, execution and delivery of assessments for undergraduate and post-graduate students
* Teaching and mentoring of undergraduate and post-graduate students, including mentoring and assisting in supervision of PhD, masters and undergraduate student projects
* September 2016 – acting programme leader for BSc (Hons) Applied Pharmacology

**April 2012 – January 2014: Postdoctoral Research Fellow, University of Edinburgh, Centre for Inflammation Research**

* Investigating the role of indoleamine-2,3-dioxygenase and kynurenine 3-monooxygenase protein expression in acute pancreatic (AP) disease progression and the application of novel kynurenine pathway inhibitors to prevent tissue injury and organ failure. Ultimately aim to provide proof-of-concept that there may be a translational benefit of kynurenine pathway inhibition in AP.

**Nov 2007 – April 2012: Personal Research Fellowship, RSE/Lloyds TSB Foundation for Scotland, University of Edinburgh, Centre for Cognitive and Neural Systems**

* Investigating the involvement of cerebrovascular dysfunction in the pathogenesis of Alzheimer’s disease, and potential therapeutic strategies for the disease.
* Simultaneously collaborating with Maastricht University to investigate the relationship between insulin resistance and cerebrovascular abnormalities in the pathogenesis of Alzheimer’s disease.

**July-Nov 2007: Post-doctoral Position, Strathclyde University, Psychiatric Research Institute of Neuroscience in Glasgow**

* Utilising a translational model of schizophrenia using brain imaging in freely moving rats, contributing to the development of new schizophrenia treatment therapies.

**Oct 2004 – July 2007: Post-doctoral position, University of Edinburgh, Centre for Neuroscience Research**

* Investigating new molecules in mood disorders using a genomic, neurobiological and systems approach in animal models and human depressive disorders. Utilising brain imaging including regional cerebral blood flow and metabolic imaging.
* Responsible for supervision and training of a visiting PhD student for 10 months

**Education**

**2018: PgCert Professional and Higher Education, Queen Margaret University**

**2004: PhD Neuroscience, Queen Margaret University,**

* Investigation of the cellular mechanisms of serotonergic system dysfunction and recovery following MDMA-induced lesion of CNS.
* Extensive collaboration with several European partners

**2001: BSc (Hons) 1st Class Biological & Health Sciences, Queen Margaret University**

**Funding Awarded**

* **2019 – MNCLHD Research Grant Support program**
* **2018 – Education Focussed Foundation Funding, UNSW**
* **2016 – Widening Access and Student Retention (WISeR), QMU**
* **2007** – **Personal Research Fellowship,** **Royal Society of Edinburgh/Lloyds TSB**
* **Foundation for Scotland**
* **2007** – **Wellcome Trust Vacation Scholarship** – PI for a vacation research project for Ms Kylie P Conroy, Queen Margaret University
* **2005** – **Travel bursary** to attend Brain’05
* **2005** – **Funded place** on 9th Annual Molecular Techniques Workshop, Cork

**Memberships**

* Fellow of the Higher Education Academy
* British Pharmacological Society
* Scottish Cardiovascular Forum
* Nutrition Society
* Scottish Dementia Research Consortium
* Society for Educational Research Universities UK

**External Committee Membership**

* CHAIN Special Interest Group facilitator - Obesity
* WHO Dementia Knowledge Exchange peer reviewer
* North Coast New South Wales Human Research Ethics Committee
* Translational Research Grants Scheme Grant review panel member – NSW Government Health
* Healthy Communities Advisory Committee of the Mid North Coast Local Health District
* Healthy and Active Youth Working Group – UNSW representative

**UNSW Committee Membership**

* Student Wellbeing Community of Practice – Senior leadership position
* UNSW Higher Research Degrees Committee
* UNSW Program Evaluation and Improvement Group
* UNSW Faculty of Medicine Research Committee
* UNSW Medicine Faculty Higher Degree Committee
* UNSW Medicine Inspired Learning Initiative Committee
* UNSW Medicine Technology Enhanced Learning and Teaching Committee
* UNSW Independent Learning Project Committee – Rural Clinical School representative
* UNSW Phase 1 Steering Committee

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| **Referees** | |
| **Dr S. Lesley Forster**  Dean of Rural Medicine, Charles Sturt University, Orange | [lforster@csu.edu.au](mailto:lforster@csu.edu.au) |
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| **Dr Jane McCluskey**  Lecturer in Biochemistry, Queen Margaret University | [jmccluskey@qmu.ac.uk](mailto:jmccluskey@qmu.ac.uk) |

**Publications**

1. Schirmer, T., **Ferrington, L.,** Bailey, A., Kerr, N., Rissel, C. and Cecilio, M. (2020), An evaluation of KM Club: What factors influence successful implementation and sustainability? *In submission*
2. Legerer, C., Stevens, M., Vazquez, G.M., Muller, T and **Ferrington, L.** (2020) An Experimental Evaluation of a Concept to Improve Conventional Aortic Prosthesis Compliance, Journal of Biomechanics, *in press*
3. **Ferrington, L.,** Bell, S., Robertson, A., Grainger, A. and Revuelta-Iniesta, R., (2016), Effect of Vitamin D Supplementation on Aerobic Exercise Performance in Healthy Adults; A Randomised Single Blinded Placebo Controlled Pilot Study, *EC Nutrition,* 5.2: 1128-1136.
4. Beglopoulos, V., Tulloch, J, Daumas, S., **Ferrington, L.,** Watson, R., Zhanyun, F., Hyman, B, Kelly, P.A.T, Bard, F *and* Morris, R.G.M., (2016), Prodromal detection and rescue of deficits in memory retrieval and associated glucose uptake despite normal learning in pre-pathological APPtg mice, *Nature commentaries,* 7: 11761
5. **Ferrington, L.**, Palmer, L.E., Love, S., Horsburgh, K.J., Kelly, P.A.T. *and* Kehoe, P.G. (2012), Angiotensin II-inhibition: effect on Alzheimer's pathology in the aged triple transgenic mouse *American journal of translational research*, vol 4, no. 2, pp. 151-64.
6. **Ferrington, L.**, Miners, J.S., Palmer, L.E., Bond, .SM., Povey, J.E., Kelly, P.A.T., Love, S., Horsburgh, K.J. & Kehoe, P.G. (2011), Angiotensin II-inhibiting drugs have no effect on intraneuronal Aβ or oligomeric Aβ levels in a triple transgenic mouse model of Alzheimer's disease, *American journal of translational research*, vol 3, no. 2, pp. 197-208.
7. van Donkelaar, EL, Blokland, A, **Ferrington, L**, Kelly, PAT, Steinbusch, HWM *and* Prickaerts, J (2011), 'Mechanism of acute tryptophan depletion: is it only serotonin?' *Molecular Psychiatry*, vol 16, no. 7, pp. 695-713.
8. Dawson, N., **Ferrington, L.**, Lesch, K-P *and* Kelly, P.A.T. (2011), Cerebral metabolic responses to 5-HT2A/C receptor activation in mice with genetically modified serotonin transporter (SERT) expression *Eur Neuropsychopharmacol*, vol 21, no. 1, pp. 117-128
9. van Donkelaar, E.L., Kelly, P.A.T., Dawson, N., Blokland, A., Prickaerts, J., Steinbusch, H.W.M *and* **Ferrington, L.** (2010), Acute tryptophan depletion potentiates 3,4-methylenedioxymethamphetamine-induced cerebrovascular hyperperfusion in adult male Wistar rats, *Journal of Neuroscience Research*, vol 88, no. 7, pp. 1557-1568.
10. Adori, C., Andó, R.D., **Ferrington, L.**, Szekeres, M., Kelly, P.A.T., Hunyady, L. and Bagdy, G. (2010) Elevated BDNF protein level in the cortex but not in the hippocampus of MDMA-treated Dark Agouti rats: a potential link to the long-term recovery of serotonergic axons. *Neurosci. Lett.* 47:56 - 60.
11. Andó, R.D., Ádori, C., Kirilly, E., Kovács, G.G., **Ferrington, L.,** Kelly, P.A.T *and* Bagdy, G. (2010). Acute SSRI-induced anxiogenic and brain metabolic effects are attenuated despite partial recovery of serotonergic terminals six months after initial MDMA-induced depletion, *Behav. Brain Res., 207,280-289*
12. van Donkelaar, E.L., Blokland, A., Lieben, C.K., Kenis, G., **Ferrington, L**., Kelly, P.A.T., Steinbusch, H.W. *and* Prickaerts, J., (2010) Acute tryptophan depletion in C57BL/6 mice does not induce central serotonin reduction or affective behavioural changes, *Neurochem. Intl., 56, 21-34*
13. van Donkelaar, E.L., **Ferrington L.** Blokland, A., Steinbusch, H.W.M, Prickaerts, J., *and* Kelly, P.A.T., (2009), Acute tryptophan depletion in rats alters the relationship between cerebral blood flow and glucose metabolism independent of central serotonin, *Neurosci.* 163; 683–694
14. Rutten, K., Van Donkelaar, E..L., **Ferrington L**., Bollen, E., Steinbusch, H.W.M., Blokland, A., Kelly P.A.T., *and* Prickaerts, J.H.H.J. (2009), Phosphodiesterase inhibitors enhance object memory independent of cerebral blood flow and glucose utilization in rats. *Neuropsychopharmacol,* **34**, 1914-1925.
15. Dawson, N., **Ferrington, L**., Olverman, H.J., Harmar, A.J. *and* Kelly, P.A.T., (2009) Gender influences the effect of a life-long increase in serotonin transporter function on cerebral metabolism. *J. Neurosci. Res*. **87**, 2375-2385.
16. Dawson, N., **Ferrington, L.,** Olverman, H.J. *and* Kelly, P.A.T., (2008), Novel analysis for improved validity in semi-quantitative 2-deoxyglucose autoradiographic imaging, *J. Neurosci. Meth.,* **175**, 25-35
17. Andó, R.D., Benkő, A., **Ferrington, L.,** Kirilly, E., Kelly, P.A.T. and, Bagdy, G. (2006) Partial lesion of the serotonergic system by a single dose of MDMA results in behavioural disinhibition and enhances acute MDMA-induced social behaviour on the social interaction test. *Neuropharmacol.,* **50**, 884-896.
18. **Ferrington, L.,** Kirilly, E., McBean, D.E., Olverman, H.J., Bagdy, G. and Kelly, P.A.T., (2006). Persistent cerebrovascular effects of MDMA and acute responses to the drug. *Eur. J. Neurosci.*, **24**, 509-519*.*
19. **Ferrington, L.**, Olverman, H.J. and Kelly, P.A.T., (2006). MDMA-induced cerebrovascular dysfunction may contribute to the behavioural profile of the drug, *Neuropsychopharmacol. Hungarica,* 7 (Suppl.1), 22-23.
20. Kirilly, E., Benko, A., **Ferrington, L.,** Kelly, P.A.T. *and* Bagdy, G., (2006) Acute and long-term effects of a single dose of MDMA on aggression in Dark Agouti rats. *Int. J. Neuropsychoph.* **9**, 63-76.
21. Balogh , B., Molnar, E., Jakus, R., **Quate, L**.\*, Olverman, H. J., Kelly, P.A.T., Kantor, S. *and* Bagdy, G., (2004), Effects of a single dose of 3,4-Methylenedioxymethamphetamine on circadian patterns, motor activity and sleep in drug-naïve rats and rats previously exposed to MDMA, *Psychopharmacology,* **173**, 296-309
22. **Quate, L**.\*, McBean, D.E., Ritchie, I.M., Olverman, H.J. *and* Kelly, P.A.T., (2004), Acute Methylenedioxymethamphetamine administration: effects upon local cerebral blood flow and glucose utilisation in the dark agouti rat, *Psychopharmacology,* **173*,*** 287-295
23. Kelly, P.A.T, Ritchie, I.M., **Quate, L**.\*, McBean, D.E., *and* Olverman, H.J., (2002), Functional consequences of perinatal exposure to 3,4-methylenedioxymethamphetamine in rat brain, *B. J. Pharmacol.,* **137,** 963-970

**In submission/preparation**

1. Stefan, M., McMullen, C., Garcia Conzalez, S., Gasevic, D. *and* **Ferrington, L**. (2020), Online quizzes linked to lecture material improve student outcomes and retention, *in preparation*
2. **Ferrington, L**., Weatherley, J., Singh, S., Bannan, A. and Forster, L. S., (2020), Establishment of a Rural Pathology Teaching Museum, (*abstract presented at AMEE 2019, paper in preparation*)
3. Macer-Wright, J.L., Forster, S.L., and **Ferrington, L.** (2020), Keeping the rural in rural medicine: Establishing a full undergraduate medical program in a regional town. (*abstract presented at AMEE 2019, paper in preparation*)

1. Dawson, N., Thompson, L., **Ferrington, L.,** Olverman, H.J., *and* Kelly, P.A.T., (2020), A life-long increase in serotonin transporter function diametrically alters constitutive 5-HT2A and 5-HT2C receptor activation, *European Neuropsychopharmacology, in submission*

*\* please note previous surname*

**Presentations (oral and poster) at National and International Conferences**

**2020** 7th Rural and Remote Health Scientific Symposium (Virtual)

**2019** International Association for Medical Education (AMEE), Vienna

**2018** Tertiary Education Quality Standards Agency, Melbourne

**2018** UNSW Learning and Teaching Forum , Sydney **2016** Scottish Physical Activity Research Connections, Edinburgh

**2012** Scottish Neuroscience Group, Dundee

**2011** Brain; Symposium on Cerebral Blood Flow, Metabolism and Function, Barcelona

**2011** Scottish Neuroscience Group, Aberdeen

**2010** Models of dementia; the good, the bad and the future, Cambridge

**2010** Alzheimer’s Research Trust (ART) 11th Annual Network meeting, Southampton

**2009** Neuroscience 2009, annual meeting of the Society for Neuroscience, Chicago

**2009** Scottish Neuroscience Group, St Andrews

**2008** Alzheimer’s Association 11th International Conference on Alzheimer’s disease, Chicago

**2008** Alzheimer’s Research Trust (ART) 9th Annual Network meeting, London

**2007** Neuroscience 2007, annual meeting of the Society for Neuroscience, San Diego

**2007** Scottish Neuroscience Group, Edinburgh

**2006** 6th Forum of European Neuroscience (FENS), Vienna

**2006** West European Regional CINP meeting, Belfast

**2005** Brain; Symposium on Cerebral Blood Flow, Metabolism and Function, Amsterdam

**2005** Euron course “Psychopharmacology: from bench to bed”, Maastricht

**2005** British Neurosciences Association, Brighton

**2005** Scottish Neuroscience Group, Glasgow

**2004** 5thForum of European Neuroscience (FENS), Lisbon

**2004** Federation of European Pharmacological Societies (EPHAR), Porto