

CURRICULUM VITAE

Ian Paul JOHNSON PhD, FRMS, FIBiol, CBiol, FHEA

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https://www.researchgate.net/profile/Ian_Johnson15 <https://www.linkedin.com/in/ian-johnson-38aab771/>

EDUCATION

Ph.D. Neuroanatomy, Institute of Neurology, Queen Square, London University, UK (now University College London),
B.Sc. Anatomical Studies (Hons), Birmingham University, UK
B.Sc. Chiropractic, Oxford Brookes University, UK

CAREER SUMMARY

2019 – present. Professor of Anatomy
Macquarie University, Sydney, Australia

2018 – 2019. Professor of Biomedical Sciences Education.
Macquarie University, Sydney, Australia
Interim Director of Biomedical Sciences Education

2016-2018. Associate Professor.
University of Adelaide, Australia
Head of the Discipline of Anatomy and Pathology. Education Specialist.

2009-2016. Senior Lecturer
Discipline of Anatomy and Pathology, The University of Adelaide, Australia
Deputy Head of the Discipline of Anatomy and Pathology

2007-2009. Head of Research
McTimoney College of Chiropractic, Oxon.UK

2006-2009. Director
Chiropractic Health Clinics Ltd, UK

2000-2006. Senior Lecturer
Department of Anatomy and Developmental Biology, University College London, UK

1995-2000. Lecturer
Department of Anatomy and Developmental Biology, Royal Free Hospital School of Medicine, University of London, UK

1989-1995. Lecturer
Department of Anatomy, Barts and the London School of Medicine and Dentistry, Queen Mary and Westfield College,
University of London, UK

1984-1987. Anatomy Demonstrator (part time)
St Mary's Hospital Medical School, University of London (now Imperial College, London), UK

1983-1989 . Post-Doctoral Research Assistant
Sobell Department of Neurophysiology, Institute of Neurology, University of London (now University College London),
UK.

ADJUNCT POSITIONS

- Visiting Professor in Anatomy, Sri Ramachandra Medical College and University, Chennai, India (2019-present)
- Senior Research Fellow, South Australian Health and Medical Research Institute (2017-2020)
- Affiliate Associate Professor, The University of Adelaide (2018-2021)

REGISTRATIONS

- Chartered Biologist, Institute of Biology, UK
- Registered Practitioner, Higher Education Academy, UK
- Licensed Teacher of Anatomy, UK (1993-2006)

SOCIETIES

- Fellow, Royal Society of Biology and Chartered Biologist. (FRSB. C.Biol)
- Fellow, Royal Microscopical Society (FRMS)
- Fellow, Higher Education Academy (FHEA)
- Member, Anatomical Society of Great Britain and Ireland
- Member, Higher Education Research and Development Association of Australasia
- Executive Officer, Australian and New Zealand Association of Clinical Anatomists (2009-2021)
- Fellow, Royal Society of Medicine (2005-2018)
- Member, Society for Neuroscience USA (1998-2018)

EDITORIAL BOARDS

- Frontiers in Neuroscience

PRIZES, SCHOLARSHIPS AND HONOURS

- 2020 Teaching Quality Improvement Award. Macquarie University
- 2018 Certificate of Appreciation. Adelaide Medical Students Society
- 2017 Certificate of Appreciation. Adelaide University Pathology Society
- 2016-17 Successful completion of 10-month Online Leadership Course. Higher Education Leadership Colloquium
- 2011 Executive Dean's Prize for Excellence in Teaching. University of Adelaide

RESEARCH GRANTS AND FELLOWSHIPS (Principal Investigator except*) ~AUD 500K total

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| 2017 | \$9K Learning and Teaching Enhancement Grant. University of Adelaide: presenting education research in UK |
| 2016 | \$9K Learning and Teaching Enhancement Grant. University of Adelaide: presenting education research in UK |
| 2016 | \$3K Partial scholarship for Educational Leadership course (Leading Learning Online) |
| 2011-2018 | Research consumables covered by \$20-30K pa from running surgical anatomy courses |
| 2010-2011 | \$15K New Appointment funding (University of Adelaide), ' <i>Neurotrophic rescue of immature and mature motoneurons</i> ' |
| 2001-2004 | £65K (* co-investigator with G. Goldspink & B. Zablocka) Project grant (Wellcome Trust) ' <i>Protection of CNS neurones by a newly discovered growth repair factor following transient ischaemia</i> ' |
| 2000 | £16K (* co-investigator with G. Goldspink & G. Terenghi). Pilot project (Royal Free), ' <i>Promotion of axonal regeneration with genes for IGF-1 isoforms</i> ' |
| 1999-2000 | £10K Project Grant (Royal Society), ' <i>Rescue of ageing neurones</i> ' |
| 1997 | £1.9K (with G. Goldspink) Short Project Grant (Peter Samuel Royal Free Fund), ' <i>Assessment of the effectiveness of plasmid DNA for the transfer of functional copies of neurotrophic factor genes to motoneurons</i> ' |
| 1993-1996 | £92K (with P. Anand & M. Ghattei) Project Grant (Motor Neurone Disease Association), ' <i>Neuropeptides and neurotrophic factors in age-related motoneuronal degeneration and Motor Neurone Disease</i> '. |
| 1993 | Max-Planck Fellowship (MPI, Munich) 2 months ' <i>Neuropeptide signals for microglial proliferation after axotomy</i> ' |
| 1992-1993 | £4.5K Project Grant (Royal Society), ' <i>Neuropeptides in motoneuronal death</i> '. |
| 1990 | £1.1K Short Project Grant (Motor Neurone Disease Association), ' <i>Neuropeptides in motoneuronal degeneration</i> '. |
| 1988-1991 | £110K (with T.A. Sears) Project grant (MRC), ' <i>Trophic regulation of protein synthesis in motoneurons</i> ' |

PhD students

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| 2017-present | A. Tennakoon "Inflammation in Motor Neurone disease". Delayed by pandemic. About to submit. |
| 2017-2022 | T. Branson "The neuroscience of learning: An evaluation of different modes of studying anatomy" Currently Work & Health Science Associate, AusHealth |
| 2012-2016 | V. Katharesan "Chronic inflammation and the survival of motoneurons". Currently Senior Lecturer, The University of Adelaide |
| 1999-2003 | M. Aperghis. "Gene transfer to motoneurons". Currently Clinical Science Manager, Ono Pharmaceutical, UK |

Other supervision

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| 1989-present | Honours students (24 so far), short project students, anatomy demonstrators, visiting fellows |
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Collaborations

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| (2017-present) | Dr Leszek Lizowsky. University of Sydney (gene transfer in neurodegeneration) Dr. Iain Keenan, Newcastle University, UK & Mr L. Shapiro, University of Cape Town (art and anatomy) Prof. M. Goldsworthy, University of Adelaide (neuroscience of learning) |
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Travel & Equipment Grants & Bursaries

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| 1984-present | Approximately \$150K for international travel, equipment, and courses (40 awards). |
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TEACHING AND ENABLING

External Teaching

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| 2021-present | 'Camp Aspire'. Human anatomy for year 11-12 Indigenous pupils. |
| 2010-2018 | Postgraduate anatomy courses for Candidates for Fellowship of the Royal Colleges of Surgeons and Radiologists (FRACS/FRACR). Biennial 3-week courses at The University of Adelaide for Y1-4 medical students visiting from China. |
| 2000-2009 | Royal Free Hospital, London (Neuroanatomy for MRCPsych candidates). |
| 2000-2003 | London School of Osteopathy/Brighton University (Anatomy and neuroscience for Osteopaths) |
| 1995-2003 | Kings College London (Neuroscience B.Sc. seminars on nerve injury). |
| 1994-2009 | Oxford College of Chiropractic/Oxford Brookes University & McTimoney College of Chiropractic/University of Wales (Anatomy, physiology, pathology & neuroscience for chiropractors). |

External Assessment

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| 2018-present | National and International academic promotions applications |
| 2016 | M.Sc. University of Otago, M.Sc. University of Cape Town |
| 2006-2011 | M. Chiropractic, Durban Institute of Technology, South Africa |
| 2004-2006 | External examiner. MBBS, King's College, London |
| 2002-2006 | M.Ost., British College of Osteopathic Medicine, London |
| 1993-2003 | Several Ph.D. theses, University of London. |

Invited Lectures

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| 2021 | India (online) | Sri Ramachandra Medical College, Chennai (Anatomy teaching during COVID19). |
| 2021 | Malta (online) | Trans European Pedagogic Anatomy Research Group (Anatomy education research). |
| 2019 | India | Sri Ramachandra Medical College, Chennai (Anatomy techniques and research). |
| 2019 | India | Christian Medical College, Vellore (Anatomy education research). |
| 2008 | Australia | University of New South Wales (Neuroscience research). |
| 2008 | Australia | University of Sydney (Neuroscience research). |
| 2007 | UK | College of chiropractors CPD meeting, Barnet hospital, London (Shoulder girdle) |
| 2006 | UK | College of chiropractors research conference, British medical association, London (Neuroscience research). |
| 2004 | Nigeria | Guest speaker. Anatomical Society of Eastern Nigeria (Neuroscience research). |
| 2004 | Portugal | Portuguese anatomical society, University of Porto (Anatomy teaching methods). |
| 2000 | UK | Institute of anatomical sciences, UCL, London (Human dissection at UCL). |
| 1999 | UK | Cardiff University, Wales (Neuroscience research). |
| 1995 | Germany | Cologne University (Neuroscience research). |
| 1994 | UK | Charing Cross Medical School, London (Neuroscience research). |
| 1993 | UK | Institute of Neurology, London, Neurobiology symposium (Neuroscience research). |
| 1993 | Germany | Munich University (Neuroscience research). |
| 1993 | Germany | Max-Planck-Institute, Munich (Neuroscience research). |

1986 Sweden Karolinska Institute, Stockholm (Neuroscience research).

Consultancy

2015-present Review Editor, Frontiers in Neuroscience, Neurology and Psychiatry
 2019-2021 International Federation of Anatomical Associations (IFAA) panel developing an international neuroanatomy syllabus
 2011-2018 Referee for research grant applications to the NHMRC.
 2011-2018 Delivering anatomy courses for surgical/radiology trainees.
 Delivering neuroanatomy for psychiatry trainees
 Abstract reviewer for conferences organised by The Higher Education Research and Development Society of Australasia, Australian and New Zealand Association of Clinical Anatomists, Higher Education Group of Adelaide, University College London Connected Curriculum Conference.
 2006-2009 MediRep consultant for personal injury claims.
 1995-2006 Referee for UK research grant applications to the Wellcome Trust, MRC, Motoneurone Disease Association and several London medical schools.
 1995-present Referee for papers submitted to: the Journal of Anatomy, Journal of Neurocytology, Experimental Brain Research, Brain Research Protocols, Molecular Neurobiology, Synapse, Neuroscience Letters, Journal of Muscle Cell Research and Cell Motility, Journal of Comparative Neurology, Clinical Anatomy, Surgical and Radiologic Anatomy, Clinical Chiropractic, Journal of the Education Research Group of Adelaide, Journal of Pain Research, Australian Orthodontic Journal, Brain Structure and Function, Anatomical Sciences Education, Translational Psychiatry, Frontiers in Neuroscience.
 Reviewer of anatomy and neuroanatomy medical textbooks by invitation from various publishers.

Administrative/enabling

At Macquarie University, NSW, Australia

2022-present Member, Macquarie Medical School Executive Committee
 2020-present Convenor, Clinical anatomy and medical imaging unit
 2019-present Convenor, Neuroscience unit
 2019-present Member, Faculty of Science & Engineering Faculty Board
 2018-present Convenor, Anatomy and Physiology major
 2018-present Chair, Anatomy Governance Committee
 2019-present Member, Faculty Discipline Committee
 2019-2021 Member, University Academic Standards and Quality Committee
 2018-2020 Organiser of Departmental Teaching Group and Teaching and Learning Workshop Series
 2018-2020 Anatomy and Physiology prerequisites assessor for overseas applicants to Macquarie MD
 2018-2019 Interim Director, Biomedical Sciences Education.
 2018-2019 Member, MD stage 1 Committee. Currently standing guest
 2018-2019 Member, Faculty Education Committee. Currently standing guest
 2018-2019 Member, Faculty Assessment Committee. Currently standing guest
 2018-2019 Faculty representative on reimagined B. Med. Sci. working group
 2018-2019 Member, Senate Learning and Teaching Committee

At the University of Adelaide, South Australia

2017-2018 Member, College of Reviewers. Teaching Review Programme, University of Adelaide
 2017-2018 Co-coordinator, Year 2 Nursing, Biology of Human Disease I & II
 2016-2018 Faculty representative, Learning Technologies Operations Group.
 2016-2018 Member, Executive Steering Group, Adelaide Education Academy.
 2016-2018 Head, Discipline of Anatomy and Pathology.
 2015-2018 Member, years 1, 2 & 3 MBBS course committees
 2015-2018 Chair, Ray Last anatomy governance committee. University of Adelaide
 2015-2018 Course coordinator, year 2 MBBS applied anatomy of the cranial nerves dissection elective.
 2012-2018 Course coordinator, year 1 MBBS anatomy.
 2011-2018 Member, MBBS board of examiners.
 2009-2018 Member, oral assessment panel for MBBS applicants.
 2014-2015 Course coordinator, Year 3 Integrative and comparative neuroanatomy.
 2013-2014 Course coordinator, Year 2 MBBS thorax, abdomen and pelvis dissection elective.
 2012-2014 Member, learning and teaching committee.
 2011-2014 Chair, MBBS year 1 committee.
 2011-2014 Member, MBBS curriculum committee.
 2011-2014 Member, MBBS assessment committee.
 2010-2014 Deputy Head, Discipline of Anatomy and Pathology.

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| 2009-2012 | Member, year 4/5 MBBS research committee. |
| 2009-2011 | Course coordinator, year 3 MBBS anatomy. |
| 2009-2012 | Course coordinator, pathophysiology for year 2 Bachelor of Nursing. |
| 2010-2011 | Discipline of anatomy representative, school of medical sciences seminar series. |
| 2010-2011 | Member, eLearning subcommittee. |
| 2009-2010 | Member, Year 3 MBBS programme committee. |

In the UK

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| 2008-2009 | Chair Oxford faculty of college of chiropractors continuing professional development scheme. |
| 2008-2009 | Director and trustee, UK college of chiropractors (training body for state-registered chiropractors). |
| 2007-2009 | Member, college of chiropractors research committee. |
| 2007-2009 | Module leader, neuroscience, pathology, & physiology. (McTimoney College of Chiropractic). |
| 2005-2006 | Member of working group on repatriation indigenous human remains to Australia (UCL). |
| 2005-2006 | Organiser and tutor of anatomy for students at St. Christopher's college of medicine (USA) |
| 2003-2006 | Phase I representative on care of older person module management group (Medicine, UCL). |
| 2002-2006 | Organiser of various postgraduate surgical anatomy courses using cadavers (UCL). |
| 2002-2006 | Co-ordinator of medical anatomy (UCL). |
| 2002-2006 | Co-ordinator of MBBS movement and musculoskeletal biology module (UCL). |
| 2002-2006 | Member of special study module committee (Medicine, UCL). |
| 2002-2006 | Member of the education committee (Medicine, UCL). |
| 2002-2006 | Member of the curriculum committee (Medicine, UCL). |
| 2000-2006 | Organiser, tutor and examiner for anatomy for M.Sc. in medical physics (UCL). |
| 2000-2006 | Organisation and supervision of special study module projects for MBBS (RF & UCL). |
| 1996-2006 | Member, University of London subject panel in human anatomy and morphology. |
| 2000-2001 | Member of committee for accelerated graduate entry MBBS programme (RF & UCL). |
| 1999-2001 | Principal examiner for Parts I & II Anatomy (Royal Free). |
| 1999-2002 | Member of curriculum committee planning new medical curriculum (RF & UCL). |
| 1999-2002 | Academic member of the staff-student liaison committee (Royal Free). |
| 1997-2002 | Convenor of special study modules: medical topics (Royal Free & UCL). |
| 1997-2001 | Member of neuroscience module group & convenor of head and neck module (UCL). |
| 1997-1999 | Subject representative on school committee for teaching quality assessment (Royal Free). |
| 1996-2001 | Course Organiser for Part I & II Anatomy (Royal Free). |
| 1996-2005 | Member of selection panel for senior house officers in A&E/Anatomy (Royal Free & UCL Hospitals). |
| 1996-2002 | Member of the divisional committee of basic medical sciences (Royal Free). |
| 1995-2001 | Organiser of departmental research seminar series (Royal Free). |
| 1994-1995 | Departmental representative for faculty research seminars series (QMW), |
| 1992-1995 | Academic responsible for departmental confocal microscope (QMW). |
| 1987-1991 | Chairman of the Queen Square Research Society (National Hospital for Neurology & Neurosurgery). |

PROFESSIONAL AND COMMUNITY

In Australia (2009-present)

- 'MyScience' outreach programme. Teaching/mentoring science in NSW primary schools (ongoing).
- Early career researcher mentor. 'Beginning to teach' mentor. Macquarie University (ongoing)
- Member, Macquarie University Teaching and Leadership Community of Practice
- Trumpet, The Turrumurra Concert Band and The City of Ryde Band, NSW. (ongoing)
- Executive Committee Member and Treasurer, Australian and New Zealand Association of Clinical Anatomists 2009-2021
- Member of Australian and New Zealand Association of Clinical Anatomists Education Subcommittee 2009-2021
- Volunteer, The Hutt Street Centre for the Homeless 2015-18
- Co-creator and tutor of biennial 3-week visits by students from Shanghai Jiao Tong and Beijing Universities 2011-2018.
- Supervision of year 9-11 work experience students 2011-18.
- Organising Committee, ANZACA conference, 2nd -5th December 2018, Townsville.
- Trumpet, The City of Adelaide Band 2009-18.
- Committee responsible for repatriation of Indigenous materials from the School of Dentistry to the South Australian Museum 2017
- Organising Committee and Chair, Public Lecture 'Depression: from mind-to brain-to DNA'. 11th May 2017, South Australian Health and Medical Research Institute, Adelaide.

- Organising Committee and Chair, Inaugural symposium on Motor Neurone Disease, 27th March 2017, South Australian Health and Medical Research Institute, Adelaide
- Creator and Organiser of the Anatomy Community of Practice (Flinders, UniSA and Adelaide) 2015-18.
- Chair, Organising and Scientific Committees, ANZACA Conference, 9-11th December 2015, Adelaide
- Judge and local coordinator of gross neuroanatomy assessment for the Australian Brain Bee Competition National Finals for year 11 students 2016
- Anatomy introductions for Bradford College students aiming for university entry via non-standard pathways. 2012-14
- Regular presenter and facilitator of outreach programmes (e.g. 'Medspace') to encourage disadvantaged and rural schoolchildren to consider applying for medicine. 2010-2014.

In the UK (1993-2009)

- Treasurer, London and South East committee of licensed teachers of anatomy.
- Various activities via The London Hospital, Queen Mary College, Royal Free Hospital, University College London and The Royal College of Surgeons of England to encourage schoolchildren to study at university.
- Weekend and evening anatomy for osteopaths, chiropractors, massage therapists and art students who would otherwise not have access to anatomical materials.
- Chairman and Principal Cornet. 'Ealing Brass'.

I.P. JOHNSON

PUBLICATIONS

Peer-reviewed research output: 114, Total citations: 842, h- index:16

IF: Impact factor, CIT: Field-weight citation index. Sources: SCOPUS, Cite Factor, Google Scholar)

Papers

1. Tennakoon, A., Katharesan, V., Musgrave, I., Koblar, S.A., Faull, R.L.M., Curtis, M.A. & Johnson, I.P. (2022). Normal ageing, Motor Neurone Disease and Alzheimer's Disease are characterised by cortical changes in inflammatory cytokines. *Journal of Neuroscience Research* 100: 653-669 IF 4.164 CIT N/A
2. Tong, L., Stewart, M., Johnson, I., Appleyard, R., Wilson, B., James, O., Johnson, C., McGreevy, P. (2020). A comparative neuro-histological assessment of gluteal skin thickness and cutaneous nociceptor distribution in horses and humans. *Animals* 10:2094 pp1-15 <https://doi.org/10.3390/ani10112094> IF 2.323 CIT 2
3. Pather, N., Blythe, P., Chapman, A., Dayal, M., Flack, N. Fogg, Q., Green, R., Hulme, A., Johnson, I.P. *et al* (2020). Forced disruption of anatomy education in Australia and New Zealand: An acute response to the Covid-19 pandemic. *Anatomical Sciences Education*13: 284-300. IF3.759 CIT 126
4. Katharesan, V., Deery, S. & Johnson, I.P. (2018). Neuroprotective effect of acute prior inflammation with lipopolysaccharide for adult male rat facial motoneurons *Brain Research* 1696: 56-62. IF 2.746 CIT 2
5. Au, J., Palmer, E., Johnson, I.P. & Chehade, M. (2018). Evaluation of the utility of teaching joint relocations using cadaveric specimens. *BMC Medical Education* 18:41 <https://doi.org/10.1186/s12909-018-1151-0> IF 2.09 CIT 1
6. Tennakoon, A., Katharesan, V. & Johnson, I.P. (2017). Brainstem cytokine changes in healthy ageing and Motor Neurone Disease. *Journal of the Neurological Sciences* 381: 192-199. IF 2.295 CIT 0
7. Katharesan, V., Lewis, M.D., Vink, R & Johnson, I.P. (2016). Disparate changes in plasma and brainstem cytokine levels in adult and ageing rats associated with age-related changes in facial motoneuron number, snout muscle morphology and exploratory behaviour. *Frontiers in Neurology* 7: 191. [doi: 10.3389/fneur.2016.00191](https://doi.org/10.3389/fneur.2016.00191). IF 3.552 CIT 5
8. Johnson, I.P. 2015. Age-related neurodegenerative disease research needs aging models. *Frontiers in Aging Neuroscience* 7, 168. [doi:10.3389/fnagi.2015.00168](https://doi.org/10.3389/fnagi.2015.00168) IF 4.34 CIT 43
9. Johnson, I.P. & Sears, T.A. (2013). Target-dependence of sensory neurones: An ultrastructural comparison of axotomised dorsal root ganglion neurones with allowed or denied reinnervation of peripheral targets. *Neuroscience* 228:163-178. IF 3.327 CIT 6
10. Johnson, I.P., Palmer, E., Burton, J., Brockhouse, M. (2013). Online resources in anatomy: what do students think? *Clinical Anatomy*. 26:556-563. IF 1.159 CIT 30
11. Johnson, I.P. (2012). Colorectal and uterine movement create tension of the inferior hypogastric plexus. *Chiropractic and Manual Therapies*. 20: 13-21. IF n/a CIT 1
12. Carson, E.A., Swait, G., Johnson, I.P., Cunliffe, C. (2009). Chiropractic care amongst people with multiple sclerosis: a survey of MS therapy centres in the UK. *Clinical Chiropractic* 12: 23-27 IF n/a CIT 4
13. Carlton, E., Johnson, I.P. & Cunliffe, C. (2009). Factors influencing parents' decisions to choose chiropractic care for their children in the UK. *Clinical Chiropractic* 12: 11-22. IF n/a CIT 3
14. Harding, S., Swait, G., Johnson, I.P. & Cunliffe, C. (2009). Utilisation of CAM by runners in the UK: A retrospective survey among non-elite marathon runners. *Clinical Chiropractic* 12: 61-66. IF n/a CIT 6
15. Robbins, M., Johnson, I.P. & Cunliffe, C (2009). Encouraging good posture in school children using computers. *Clinical Chiropractic* 12: 35-44. IF n/a CIT 14
16. Johnson, I.P. (2008). Hypothesis: upregulation of a muscle-specific isoform of Insulin-Like Growth Factor I (IGF-1) by spinal manipulation. *Medical Hypotheses*. 71: 715-721. IF 1.194 CIT 2
17. Johnson, I.P. (2007). Iliacus stretching for the symptomatic relief of femoral mononeuropathy. *Clinical Chiropractic* 10: 97-100. IF n/a CIT 2
18. Dluzniewska, J., Sarnowska, A., Beresewicz, M. Johnson, I., Srail, S.K.S., Ramesh, B., Goldspink, G., Gorecki, D.C. & Zablocka, B. (2005). A strong neuroprotective effect of the autonomous C-terminal peptide of IGF-1 Ec (MGF) in brain ischaemia. *FASEB Journal* 19: 1896-1898. IF 5.48 CIT 107
19. Aperghis, M., Johnson, I.P, Cannon, J. Yang, S.Y. & Goldspink, G. (2004). Different levels of neuroprotection by two insulin-like growth factor-1 splice variants. *Brain Research* 1009: 213-218. IF 2.828 CIT 54
20. Ali, M., Johnson, I.P. Hobson, J., Mohammadi, B. & Khan, F. (2004). Anatomy of the pelvic plexus and innervations of the prostate gland. *Clinical Anatomy* 17: 123-129. IF 1.159 CIT 23
21. Aperghis, M., Johnson, I.P., Patel, N., Khadir, A., Cannon, J. & Goldspink, G. (2003). Age and diet influence the survival of injured facial motoneurons *Neuroscience* 117: 97-104. IF 3.327 CIT 13
22. Johnson, I.P. (2002). Low force chiropractic adjustment and post-isometric muscle relaxation for the ageing cervical spine. *British Journal of Chiropractic* 5: 50-59. IF n/a CIT 2
23. Johnson, I.P. (2001). Rapid estimates of neuron number in the confocal microscope combined with *in-situ* hybridisation and immunocytochemistry. *Brain Research Protocols*. 8: 113-125. IF 1.82 CIT 9
24. Duberley, R.M., Johnson, I.P., Martin, J.E. & Anand, P. (1998). RET-like immunostaining of spinal motoneurons in Amyotrophic Lateral Sclerosis. *Brain Research* 789:351-354. IF 2.828 CIT 19
25. Johnson, I.P. & Duberley, R.M. (1998). Motoneuron survival and expression of neuropeptides and neurotrophic factor

- receptors following axotomy in adult and ageing rats. *Neuroscience* 84:141-150. IF 3.327 CIT 37
26. Johnson, I.P., Gowda, C.K., Sears, T.A. and Hunter, A.S. (1998). Differences in the synaptic complement of thoracic motoneurons of adult and ageing cats after permanent- or reversible-axotomy. *Synapse* 28: 176-184. IF 3.451 CIT 7
 27. Duberley, R.M., Johnson, I.P., Anand, P., Leigh, P.N. & Cairns, N.J. (1997). Immunocytochemical studies of neurotrophins in cerebral motor cortex in Amyotrophic Lateral Sclerosis. *Brain Research* 763: 259-263. IF 2.828 CIT 10
 28. Duberley, R.M., Johnson, I.P., Anand, P., Leigh, P.N. & Cairns, N.J. (1997). Neurotrophin-3-like immunoreactivity and Trk C expression in human spinal motoneurons in Amyotrophic Lateral Sclerosis. *Journal of the Neurological Sciences* 148: 33-40. IF 2.441 CIT 25
 29. Duberley, R.M. & Johnson, I.P. (1996). Increased expression of the alpha subunit of the ciliary neurotrophic factor (CNTF) receptor by rat facial motoneurons after neonatal axotomy and CNTF treatment. *Neuroscience Letters* 218: 1-5. IF 2.168 CIT 14
 30. Demetriou, T., Duberley, R.M. & Johnson, I.P. (1996). Minimal effect of CNTF on the ultrastructure of axotomised motoneurons in the adult rat. *Brain Research* 733: 312-317. IF 2.828 CIT 3
 31. Duberley, R., Johnson, I., Anand, P., Martin, J., Swash, M., Zeman, S. & Leigh, P.N. (1995). Ciliary neurotrophic factor receptor expression in human spinal cord and cerebral motor cortex in amyotrophic lateral sclerosis. *Journal of the Neurological Sciences* supplement. 129: 109-113. IF 2.441 CIT 28
 32. Johnson, I.P., Simaika, Y.S & Sears, T.A. (1993). Ultrastructure of -motoneurons after temporary- or permanent- interruption of peripheral target contact. *Brain Research* 631: 337-344. IF 2.828 CIT 3
 33. Johnson, I.P., Sears, T.A. & Hunter, A.S. (1991). Retrograde response to axotomy of motoneurons in the thoracic spinal cord of the aging cat. *Neurobiology of Aging* 12: 151-160. IF 4.853 CIT 19
 34. Johnson, I.P. & Sears, T.A. (1989). Ultrastructure of axotomised alpha and gamma motoneurons in the cat thoracic spinal cord. *Neuropathology and Applied Neurobiology* 15: 149-163. IF 4.97 CIT 21
 35. Johnson, I.P. & Sears, T.A. (1989). Organelle changes in cat thoracic alpha and gamma motoneurons following axotomy. *Brain Research* 489: 400-405. IF 2.828 CIT 19
 36. Johnson, I.P. & Sears, T.A. (1988). Ultrastructure of interneurons in the thoracic region of the spinal cord of the adult cat. *Journal of Anatomy* 161: 171-185. IF 2.227 CIT 21
 37. Johnson, I.P. (1986). A quantitative ultrastructural comparison of alpha and gamma motoneurons in the thoracic region of the spinal cord of the adult cat. *Journal of Anatomy* 147: 55-72. IF 2.227 CIT 54
 38. Johnson, I.P., Pullen, A.H. & Sears, T.A. (1985). Target dependence of Nissl body ultrastructure in cat thoracic motoneurons. *Neuroscience Letters*. 61: 201-205. IF 2.168, CIT 22

Peer-reviewed Abstracts

1. Johnson, I.P. (2022). Online solutions to the delivery and assessment of a clinical anatomy and medical imaging unit. *Anatomia, Histologia, Embryologia* pp5-6. <https://doi.org/10.1111/ahe.12819>
2. Branson, T., Shapiro, L., Goldsworthy, M. & Johnson, I. (2020). Guided visuospatial instruction in anatomy improves 3-dimensional recall and is not influenced by EEG recording. *Clinical Anatomy* 34: E7 <https://doi.org/10.1002/ca.23544>
3. Tennakoon, A., Katharesan, V., Musgrave, I., Koblar, S., Faull, R., Curtis, M. & Johnson, I. (2020). Cortical cytokine changes in healthy ageing, Motor Neurone Disease and Alzheimer's Disease. *Clinical Anatomy* 34: E19 [:https://doi.org/10.1002/ca.23544](https://doi.org/10.1002/ca.23544)
4. Johnson, I.P, Tweedie, K. & Katharesan, V. (2020). Enhanced survival of motoneurons in rats raised on an obesogenic diet. *Journal of Anatomy* 236: 191.
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Book chapters

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Patent applications

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Presentations/other

1. Johnson, I.P. (2022). Online solutions to the delivery and assessment of a clinical anatomy and medical imaging unit. Trans European Pedagogic anatomy Group Symposium at the International Federation of Anatomy Associations Conference 5-7th August. Istanbul (online). *In press*
2. Johnson, I.P. (2022). Online anatomy and medical imaging. Does it work? Invited presentation (online). *International Webinar: Future of Anatomical Sciences Education*. 22nd July, Sri Ramachandra Institute of Higher Education and Research, India
3. Johnson, I.P. (2022). Online solutions to the delivery and assessment of a clinical anatomy and medical imaging unit. *Trans European Pedagogic Anatomy Research Group*. 5th March, Barcelona
4. Johnson, I.P. (2021). Online anatomy teaching in the pandemic period: Insights, opportunities, challenges and recommendations. Invited presentation (online). *International Webinar: Changing Trends in Anatomy Education in the Covid Era*. 18th August, Sri Ramachandra Institute of Higher Education and Research, India
5. Johnson, I.P. & Collins, L. (2021). How to give effective presentations. *Workshop for doctors in training*. 14th April, Macquarie University.
6. Johnson, I.P. (2021). Teaching anatomy in a virtual environment. Invited presentation (online). *Trans European Pedagogic Anatomy Research Group*. 6th March, University of Malta
7. Johnson, I.P. & Collins, L. (2020).: Online teaching and learning skills *Mahidol University online training workshop series*. *Academy of continuing professional development in education*. August-ongoing, Macquarie University.
8. Johnson, I.P. & Collins, L. (2019). Lessons from the frontline: Tips to help you teach confidently. *Workshops to upskill biomedical science researchers in teaching*. 12th December, Macquarie University
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14. Johnson, I.P. & Collins, L. (2019). Self-assessment checklist for course essentials. *Workshops to upskill biomedical science researchers in teaching. Macquarie University. 24th May, Macquarie University*
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16. Johnson, I.P. & Collins, L. (2019). Setting up a new unit. *Workshops to upskill biomedical science researchers in teaching. Macquarie University. 10th May, Macquarie University*
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18. Johnson, I.P. & Collins, L. (2019). Learning design 101. *Workshops to upskill biomedical science researchers in teaching. Macquarie University. 12th April, Macquarie University*
19. Johnson, I.P. & Collins, L. (2019). Assessment 2: Online grading and feedback. *Workshops to upskill biomedical science researchers in teaching. Macquarie University. 5th April, Macquarie University*
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23. Johnson, I.P. (2019). Constructive alignment and the evaluation of innovation in anatomy teaching. *Plenary presentation. 8th Conference of the Society of Clinical Anatomists. 7th February, Chennai, India.*
24. Johnson, I.P. and Casey, M. (2019). An Evaluation of various embalming techniques. *Plenary presentation. 8th Conference of the Society of Clinical Anatomists. 6th February, Chennai, India.*
25. Johnson, I.P. (2018). Nissl body ultrastructure and neuronal stress: a comparison of axotomy and diphtheritic intoxication. *Motor Neurone Disease Research Group Seminar. 19th September, Macquarie University, Sydney.*
26. Johnson, I.P. (2018). Motoneuronal survival: Experimental and post-mortem studies. *Departmental seminar. 13th July, Macquarie University., Sydney.*
27. Katharesan, V., Tweedie, C., Deery, S & Johnson, I.P. (2018). Acute lipopolysaccharide challenge and chronic maintenance on an obesogenic diet are both protective for adult rat facial motoneurons. *9th National MND Australia Conference, 31st August, Adelaide.*
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29. Johnson, I.P. & Longone, P. (2017). Commentary: Amyotrophic Lateral sclerosis and Myaesthesia Gravis Overlap syndrome: A review of two cases and the associated literature. *Frontiers in Neurology 8: 355 doi.org/10.3389/fneur.2017.00356*
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31. Gladman, M. & Johnson, I. (2017). Blended learning in health: are nursing students ready to be flipped? Presented at *the Higher Education Group of Adelaide conference 22nd September, Adelaide.*
32. Johnson, I.P. (2017). Innovation-driven educational changes: Are they research-based. Presented at the *Connecting Higher Education: International Perspectives on Research-Based Education Conference, UCL, 27th June, London, UK*
33. Katharesan, V. & Johnson, I.P. (2017). Age-related inflammation: Not all bad news for motoneurons. Platform presentation. *Inaugural symposium on Motor Neurone Disease. MND-SA, South Australian Health and Medical Research Institute. 27th March, Adelaide, South Australia*
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36. Tennakoon, A., Katharesan, V. & Johnson, I.P. (2016). Changes in brainstem cytokines in normal ageing and Motor Neurone Disease. *MND Australia Research Meeting 21st October. Queensland.*
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42. Katharesan, V. & Johnson, I.P. (2014). Potency of a muscle-derived isoform of IGF-1 for the rescue of facial motoneurons and insight into its mechanism of action. *Presented at the 34th Annual Meeting of the Australian Neuroscience Society. 28th -31st January 2014.*
43. Johnson, I.P. (2013). eLearning in anatomy: What worked and what didn't. *Presented at Higher Education Research Group of Adelaide meeting, The University of Adelaide 26th September 2013.*
44. Johnson, I.P. (2013) eLearning in anatomy. *Presented at the MBBS teaching forum: Innovation and implementation in medical education. The University of Adelaide. 25th September 2013.*
45. Katharesan, V., Johnson, I.P., Evans, A & Li, R. (2013). Non-IGF-1 receptor dependent rescue of adult motoneurons by an isoform of IGF-1 isolated from active muscle. *Presented at the 33rd Annual Meeting of the Australian Neuroscience Society. 3rd -6th February 2013.*
46. Cazzolli, P. & Johnson, I. (2012). Slow viruses and ALS/MND: an idea ahead of its time? *Presented at 23rd International Symposium on ALS/MNS Chicago 5-7th December 2012.*
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