

Dr Steve Jacques BMedSci, MBChB, PhD, AFHEA

Lecturer in Human Biology, Biochemistry and disease

[School of Biosciences \(/schools/biosciences/index.aspx\)](/schools/biosciences/index.aspx)

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About

Steve is primarily an anatomist, with a particular interest in neuroanatomy. He has conducted research into the delivery of therapeutic genes to the injured mammalian nervous system, and prior to this worked as a hospital doctor in a variety of medical and surgical specialties.

Qualifications

Bachelor of Medical Science (Neuroscience) 1st Class Honours
Bachelor of Medicine, Bachelor of Surgery with subject honours in Paediatrics, Pathology and Therapeutics
Doctor of Philosophy (Neuroanatomy)
Associate Fellow of the Higher Education Academy

Biography

Steve developed a keen interest in neuroscience whilst conducting an undergraduate project in Ann Logan's laboratory at Birmingham. Having finished his medical degree he worked in the NHS for two years, mostly in surgical specialties. An opportunity to do a PhD presented itself to him during this time and he took up the post of Clinical Research Fellow in the Logan group to conduct research into the delivery of genes to the injured rat nervous system using adeno-associated viral vectors.

During his PhD Steve developed competence in many experimental techniques ranging from molecular biology through cell culture to whole-animal work. Teaching has always featured prominently in Steve's work, and it was this enthusiasm for education that attracted him to working as an anatomy demonstrator after completing his PhD. He worked for four years teaching all aspects of anatomy to medical and dental students at the Medical School before embarking upon a career as a teaching focused lecturer in Biosciences.

Teaching

Steve teaches on the undergraduate modules:

BIO 273 (Human Structure and Function)
BIO 266 (Animal Biology)

Research

Research interests:

- Regeneration of axons in the central nervous system
- Viral gene therapy
- Determinants of viral tropism
- Neuroanatomy

Find **[Steve's Anatomy Page on facebook here \(https://www.facebook.com/stevesanatomypage?filter=1\)](https://www.facebook.com/stevesanatomypage?filter=1)**

Other activities

British Association of Clinical Anatomists (BACA)
British Neuroscience Association (BNA)
Federation of European Neuroscience Societies (FENS)
International Brain Research Organisation (IBRO)

Publications

Ahmed Z, **Jacques SJ**, Berry M, Logan A (2009) Epidermal growth factor receptor inhibitors promote CNS axon growth through off-target effects on glia. *Neurobiology of Disease* 36:142-150.

Douglas MR, Morrison KC, **Jacques SJ**, Leadbeater WE, Gonzalez AM, Berry M, Logan A, Ahmed Z (2009) Off-target effects of epidermal growth factor receptor antagonists mediate retinal ganglion cell disinhibited axon growth. *Brain* 132:3102-3121.

Little MA, Hassan B, **Jacques S**, Game D, Salisbury E, Courtney AE, Brown C, Salama AD, Harper L (2009) Renal transplantation in systemic vasculitis: when is it safe? *Nephrol Dial Transplant* 24:3219-3225.

Mansur A, Little MA, Oh WC, **Jacques S**, Nightingale P, Howie AJ, Savage CO (2011) **Immune profile and epstein-barr virus infection in acute interstitial nephritis: an immunohistochemical study in 78 patients** *Nephron Clin Pract.* 119(4):c293-300 (<http://www.ncbi.nlm.nih.gov/pubmed/21952467>) *Nephron Clin Pract.* 119(4):c293-300

Jacques SJ, Ahmed Z, Forbes A, Douglas MR, Vigneswara V, Berry M, Logan A (2012) AAV8(gfp) preferentially targets large dorsal root ganglion neurones after both intra-dorsal root ganglion and intrathecal injection. *Mol Cell Neurosci* 49(4):467-474

Shah AP, Mevcha A, Wilby D, Alatsatianos A, Hardman JC, **Jacques S**, Wilton JC (2014)

Continence and micturition: An anatomical basis. (<http://www.ncbi.nlm.nih.gov/pubmed/24615792>) *Clin Anat.* 2014 Mar 10

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