



CURRICULUM VITAE

Professor Hannah Cock BSc MD FRCP

Professor of Epilepsy & Medical Education, Consultant Neurologist

Correspondence: Prof HRC Ltd, 44 Childebert Road, London SW17 8EX

Consulting/NHS address:

Epilepsy Group, Atkinson Morley Regional Neuroscience Centre
St George's University Hospitals NHS Foundation Trust
Blackshaw Road, London SW17 0QT

hrc@hannahrc.com

Medicolegal PA: Elinor Pritchard 020 8546 2613

hrcpa@hannahrc.com

GMC No: 3407693

Defence Organisation: Medical Defence Union No:242217F

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CURRENT APPOINTMENTS

Professor of Epilepsy & Medical Education (2016 Legacy St George's-; Reader 2011-2016; Senior Lecturer 2003-11,), City St Georges (2024 -), University of London

Honorary Consultant Neurologist, Epilepsy Group, Atkinson Morley Regional Neuroscience Centres, St Georges Hospital, London (September 2003-)

European Academy of Neurology & International League Against Epilepsy Status Epileptics Guidelines Task force (2023 -)

Qualifications

BSc (Honours) Physiology, Class I (University College London)	1986
MBBS (University College London)	1989
MRCP (UK; London)	1992
MD (London)	1996
Professional Certificate of Teaching & Learning in Higher Education (Institute of Education, London)	2000
Completed Certificate Specialist Training, Neurology	2001
Member Higher Education Academy	2001
FRCP (London)	2006

Prizes and Scholarships

2019	European Academy of Neurology Service Award
2001	Wellcome trust Advanced Training Fellowship
1999	International League Against Epilepsy British Branch, Millenium Young Scientific Investigators Prize
1996	Royal Society of Medicine, Section of Neurology, Gordon Holmes Registrar's Prize
1994	Medical Research Council Clinical Training Fellowship
1989	Douglas Cree Prize in Medicine (Best MB BS Performance)
1989	Certificates of Merit: Medicine, Obstetrics and Gynaecology
1988	MBBS, Pathology, Distinction
1985	Medical Research Council Scholarship for BSc
1976- 83	Hampshire County Council Double Music Scholarship

PREVIOUS APPOINTMENTS

House physician/surgical posts, University College & Middlesex hospitals, London & Chase Farm Hospital, Enfield, Middlesex. Aug 1989 – July 1990

Senior House Office, London Chest Hospital (Clinical Trials and Respiratory Medicine, Cardiology) Aug 1990 – July 1991

Senior House Officer (Medicine) Whittington Hospital, London Aug 1991 – July 1992

Senior House Officer (Neurology), Royal Free Hospital, London Aug 1992 – Jan 1993

Registrar (Medicine), Hillingdon Hospital, Middlesex Feb 1993 – Jan 1994

Medical Research Council Training Fellow and Honorary Registrar, Royal Free Hospital & National Hospital for Neurology and Neurosurgery, London Feb 1994 – Feb 1996

Specialist Registrar (Neurology) Royal Free Hospital, London Mar 1996 – Jan 1998

Specialist Registrar (Neurology) National Hospital for Neurology and Neurosurgery, London Feb 1998 – Jan 1999

Clinical Lecturer, Institute of Neurology & National Hospital for Neurology and Neurosurgery, London Feb 1999 - Sept 2001

Locum Consultant Neurologist, sessions at Queen Elizabeth II Hospital (Welwyn Garden City), East Hertfordshire Hospital, Edgware General Hospital, Chase Farm Hospital (Enfield) and Lister Hospital (Stevenage) between Feb 1997 and Jan 1998; At Whipps cross hospital Oct 2000 – Feb 2001, and for Professor Shorvon , National Hospital for Neurology and Neurosurgery, Nov 2000 – Sept 2001

Advanced Wellcome Fellow & Honorary Senior Lecturer, Institute of Neurology, London and Honorary Consultant Neurologist, Epilepsy Group, National Hospital for Neurology and Neurosurgery, London. Sept 2001 – Aug 2003

OTHER APPOINTMENTS/AFFILIATIONS

- London Higher, London Medicine Vice-Chair (2022-2024)
- St George's University of London, MBBS Course Director (2019-2024)
- Epilepsy Research UK, Scientific Advisory committee (2018 -2022)
- International League Against Epilepsy, Education (certification) Task force (2018 - 2020)
- Board member & Chair, Education Committee, European Academy of Neurology (2014-2018)
- Epilepsy Advocacy Europe board member (2013-14), presented European Parliament International Epilepsy day 2015
- Neurology Advisor, Transport for London (formerly London Underground) Occupational Health (2001-2014)
- Chair, UK Epilepsy Research Network Interventions & therapeutics Clinical Study Group (2010-2014)
- International League Against Epilepsy, Status Epilepticus Classification Taskforce (2009 -14)
- Clinical Advisor, Epilepsy Action (British Epilepsy Association; 2007-)
- European Neurological Society, Executive committee member, 2006-14; Teaching Course director 2011- 2014
- Contributor to the All Party Parliamentary Group report on Epilepsy, 2007
- Member of the ABN Clinical Research and Academic Committee (Sept 2001-2007)
- National Working Party Member, Do Once and Share, National Project for IT Epilepsy Project (Feb 2006)
- Member of the London Deanery Steering Group on SpR to Consultant Transition (2003-4)
- Chair of the Association of British Neurology Trainees (Sept 1998 – Nov 2000)
- Member of the Association of British Neurologists (Feb 2001 – present)
- Member of the Royal Society of Medicine (1998 – present)
- Member of the International League Against Epilepsy, British Branch (1998 – present)
- Member of the British Medical Association (1989 – present)
- Member of the Higher Education Academy (previously the Institute of Learning and Teaching, 2000-present)
- Listed in Marquis Who's Who Medicine & Healthcare (2002-); Who's Who Science & Engineering (2004-); Who's Who in the World (2005-)
- Dictionary of International Biography, Cambridge, England, 32nd Edition.
- Editorial board, Journal of Neurology (2006 -2011) and Epilepsia (2009 – 2012)

MEDICOLEGAL PRACTICE

I have developed a specialized (epilepsy) medicolegal and expert witness practice since 2002, instructed by both claimants and respondents, defendants and the Crown Prosecution Service/Police, and as a court appointed single joint expert, including instructions now from several large firms and

organizations. I have experience in criminal, family and civil (personal injury, medical negligence, employment) cases, including a large pharmaceutical class action. I have had formal training (Bond Solon) and experience in report writing, court appearance, and the CPR amendments. I have received positive feedback from instructing parties and in written judgements both for my written reports, and giving oral evidence in civil, family and criminal courts. I am a member of the UK Register of Expert witnesses (<http://www.jspubs.com/index.cfm>), involving regular re-vetting.

CLINICAL PRACTICE

I have training and experience in diseases of and injury to the brain, nerves, and spinal cord. My general neurology experience includes outpatient clinics prior to 2006, on call services, and 2014-2020 participating in an attending rota meaning periods when I am responsible for all acute and elective neurology in patients (excluding stroke), involving close relationships with acute medicine and the emergency department. Since 2020 my outpatient, inpatient work and out of hours work has been confined to my subspecialist field (epilepsy), although often in patients with other medical and general neurological co-morbidities.

I have sub-speciality experience and training in the fields of clinical and experimental epilepsy, encompassing the diagnosis and management of epilepsy (medical and surgical), and the scientific basis of epilepsy, its complications and its treatment. I am on the UK Specialist Register as a Neurologist and have held a consultant post since 2000. I have worked in a dedicated epilepsy clinic, personally seeing between 8-20 patients with suspected seizures or epilepsy each week, including those referred by General Practitioners, Accident & Emergency, and other consultant neurologists or epilepsy specialists for opinions on the cause or treatment of their symptoms since 1998. I am now the senior neurologist in the Epilepsy Team at St George's. St George's has a comprehensive secondary and tertiary epilepsy service with the full range of diagnostic and treatment options including video telemetry and epilepsy surgery. The team has expanded considerably now including 5 consultant staff (3.8 WTE), an associate specialist (0.3 WTE), 3 Clinical nurse specialists, neuropsychology and support from neurosurgery and neuropsychiatry. The group provides secondary care to the local population, and is the tertiary service for the [South West London](#) and [Surrey Heartlands Integrated Care](#) Boards. This includes established first-fit pathways, joint clinics with paediatric (adolescent transfer), learning disability psychiatry and maternal medicine and other departments. I also provide adult epilepsy support for the quaternary (supra-regional) tuberous sclerosis service. I have been an invited contributor to NHS England working parties related to clinical guidelines and service pathways, as well as international taskforces.

RESEARCH

Between 1999 and 2019 I led a research team working in clinical, and previously experimental, epilepsy and have a national and international reputation in this context. Through my MD and BSc work, I gained experienced in a broad range of biological laboratory techniques, including experimental physiology, molecular biology and biochemistry, cell culture and tissue slice work. In post-doctoral positions I have also acquired in vivo experience, as well as gaining further training/experience in neuropathology and HPLC, and previously lead a laboratory based group recognized internationally working in on seizure related brain damage, and novel treatment approaches to refractory epilepsy in experimental models. I have also been involved as a collaborator in a number of multicentre clinical trials and genetic studies, most recently exploring issues in relation to mood and epilepsy, functional non-epileptic attacks and as co-applicant on a \$21.4million [status epilepticus clinical trial \(ESETT\)](#) which made a substantial contribution to practice change internationally. I have been site Principle Investigator for a large number of clinical studies since 2006, sat on the local clinical research facility committee until 2018, and was the epilepsy lead for the UK NIHR Clinical Research Network London South division until 2019.

MEDICAL EDUCATION AND LEADERSHIP

I have been an active teacher throughout my career, and since appointment to a substantive academic post held a range of university roles, as well as contributing to the clinical supervision and training of junior doctors, consultant peers and allied health professionals in NHS settings and internationally. I was course director for Medicine (MBBS) at St George's from 2019-2024, including representing the university on the Medical Schools Council (UK), and regular interactions with the GMC and Health Education England. I led both faculty and students throughout the Covid-19 pandemic, successfully graduating students early in 2020 whilst improving student experience and maintain standards.

Grants awarded: Competitive – Principle/lead applicant

Medical Research Council,

Intercalated BSc Funding Scholarship, Sept 1985 – July 1986 (HR Cock)

Medical Research Council

Clinical Training Fellowship: Molecular Mechanisms in mitochondrial diseases, Royal Free Hospital (Dr HR Cock, Professor AHV Schapira), Feb 1994 – Feb 1996

Joint Research Advisory Committee Project Grant, Institute of Neurology

A study of the role of Mitochondrial dysfunction in neuronal death associated with Status epilepticus (Dr HR Cock). 03/1998 £4,500 over 2 years

Brain Research Trust.

Neuronal Stem cell grafting as a treatment for focal cortical epilepsy (Dr HR Cock, Dr MC Walker, Professor SD Shorvon). 02/2001: £104,354 over 26 months

Wellcome Trust Advanced Fellowship:

Mechanisms of cell death and neuroprotection following status epilepticus. (Dr HR Cock, sponsored by Professor SD Shorvon). 10/2001, £373,200 over 3 years.

Epilepsy Research Foundation Desmond Pond Fellowship

Focal drug treatment and the role of gap junctions in focal cortical epilepsy. Awarded to Dr K Nilsen (post doctoral fellow) under my sponsorship, 09/2003 £60,000 over 1 year.

St Georges Hospital Charitable Foundation Fellowship

Mechanisms and markers of seizure related brain damage in vivo. Awarded to Dr Andrew Kelso (MD/PhD Studentship) under my sponsorship, 07/2004, £110,000 over 2 years.

St Georges-Royal Holloway Strategic Initiative

A study of the neuromodulatory role of adenosine in status epilepticus in vitro and in vivo. PhD Studentship, Nicola Hamil, 10/2005, £45,000 over 3 years.

Brain Exit Fellowship,

3-nitrotyrosine: a marker of cell damage in epilepsy.

Awarded to Dr Andrew Kelso (under my sponsorship), 07/2006, £50,000 over 1 year

Neuroscience Research Foundation

A study of the neuromodulatory role of adenosine in status epilepticus in vivo.

Project grant, 04/2006, £25,000 over 2 years

British Medical Association, Vera Down Award

3-nitrotyrosine in cell death and epilepsy. Awarded to Dr Andrew Kelso (under my sponsorship), 06/2006, £20,000 over 3 years

Co-applicant

National Institute for Health Research – Research for Patient Benefit. Non-epileptic Seizures Treatment (NEST) study: an evaluation of the feasibility of a randomised controlled trial of a psycho-educational intervention. Feb 09, £185,000 over 3 years, led by Dr Markus Reuber, Sheffield University.

National Institute for Health (USA) – Established Status Epilepticus Treatment Trial (ESETT) \$21,400,000 awarded October 2014 over 5 years, led by Prof Jaideep Kapur, University of Virginia, USA. This evolved following an unsuccessful application in Europe from a proposal I initiated and initially led.

Industry

R W Johnson Pharmaceutical Research Institute.

Topiramate and its effects in the termination of status epilepticus. (Dr MC Walker, Dr PN Patsalos, Dr HR Cock). 05/2001: £115,000 over 2 years

UCB Pharma Pharmaceuticals.

Support for development of clinical database for epilepsy patients (Dr HR Cock, Mr R Warrington). 09/2001 – 05/02 £20,000.

UCB Pharma Pharmaceuticals.

Levetiracetam and neuroprotection in status epilepticus: Characterization of biochemical mechanisms. (Dr HR Cock, Dr M Walker, Dr P Patsalos). 11/2003, £110,000 over 39 months.

TEACHING EXPERIENCE

I completed a 2 year Masters level part time course at the Institute of Education, London in 2000, leading to a Professional Certificate of Teaching and Learning in higher Education (Grade A). I am a Fellow of the Higher Education Academy (previously the Institute of Learning and Teaching). I have considerable experience of teaching neurology at all levels. My current/recent roles are:

Undergraduate teaching

- MBBS Course director, with overall responsibility for the delivery and quality assurance of the St George's medical degree program, including both graduate entry and school leaver pathways (2019-)
- Chair, Clinical Block Management Group, responsible for clinical neurology, stroke, neurosurgery and rehabilitation teaching in the penultimate year of the new medical curriculum (2006-19)
- Neurology Lead for both graduate entry & school leaver courses at St Georges, encompassing responsibility for over 1500 students at any one time (2007-), and direct neurology teaching responsibilities for approximately 350 students/year (2003-). More recently this has included close liaison with international partners (INTO, USA and University of Nicosia, Cyprus) delivering the same curriculum.
- BSc Clinical Neuroscience: Epilepsy Module lead (2003-2019)

Postgraduate teaching

- International League against Epilepsy Education (certification) taskforce (2018-).
- Clinical lead, ebrain. www.ebrain.net a large clinical neuroscience online educational platform launched in 2001, with now global reach (2001-2019).
- Chair, Education Committee, European Academy of Neurology (2014-18). I am responsible for the overall educational strategy and budget for post-graduate neurology education. We have over 21,000 members across Europe, and activities include research and clinical fellowships, congress and regional teaching courses, e-learning and supporting the European Board of Neurology Exam. I lead and was supported by a 9 person international committee, and 2 subcommittees (quality assurance and teaching course subcommittees).
- Faculty for the International League Against Epilepsy/National Society for Epilepsy Specialist Registrar teaching weekends (every two-years), and the NSE/UCB epilepsy Masterclasses (annual) since 2002, running tutorials on a variety of topics including Status Epilepticus and bone health in epilepsy (on-going)
- Regular invited contributor to regional, national and international teaching courses and symposium mainly on epilepsy and related disorders.

Selected Previous appointments

- European Neurology Society Teaching Course Director (2011-2014)
- Chair & organizer, European Neurology Society Epilepsy Course (2006-8, 12), co-chair 2009.
- Career Development Tutor, MBBS (2012 - 14), St George's University of London

- MSc Neurosciences, Institute of Neurology: 1998-2003: Member of the MSc course committee. Theme tutor (Systems Neuroscience) in since 1999, and Epilepsy module leader since 2000. I was also a personal tutor between 1999 and 2001. I have been involved in all aspects of the course, and in particular instituted significant changes to the assessment and evaluation systems, including the introduction of peer-observation and peer-teaching initiatives. In 2018 I was the appointed external quality assessor to review the post-graduate neurosciences portfolio at UCL
- MD/PHD supervision, July 2004 – 2009
- Education Committee member, Institute of Neurology (1999 – 2003)

REFEREE AND OTHER ACTIVITIES

I have been invited to participate in media activities on numerous occasions, including in recent years in relation to Cannabis Prescribing (BBC TV and radio November 2018), Organ Donation (Channel 5 Nov 2017, ITV Good morning), Valproate and pregnancy (BBC and others), epilepsy and anxiety (Daily Mail 2015), and as the epilepsy advisor for an epilepsy story line in the BBC drama East Enders (2014-16).

I have served on the Editorial board for Journal of Neurology (2007- 2011) and Epilepsia (2009-2012), and currently for the European Journal of Neurology (2013-), and was guest editor for a Royal College of Physicians Clinical Medicine edition in 2018 on Acute Neurology.

I am a regular referee for several international journals including Epilepsia, and Journal of Neurology, Journal of Neurology & Neuropsychiatry, European Journal of Neuroscience. I have attended training for referees provided by the BMJ publishing group (Sept 2004).

I have also been invited to referee grant applications for the Neuroscience Research Foundation, Epilepsy Research Foundation, Epilepsy Action, MRC, Wellcome Trust, UK NIHR, and HTA as well as international bodies.

I was one of two adult epilepsy consultants in the UK asked to contribute evidence to the All Party Parliamentary Group on Epilepsy in 2007, leading to the report “wasted money, wasted lives” on the human and economic costs of epilepsy services in the UK, and am regularly asked to comment/contribute to media and political activities in relation to epilepsy services. Also as a participant in the SUDEP Action “Prevent” Summit in 2018, and as a member of the NHS England Specialist Commissioning working party on epilepsy care pathways

Publications I have authored over 100 original publications including journal articles, chapters editorials, reviews, and electronic publications. This includes papers in all the major epilepsy journals, as well as high impact publications such as the Lancet Neurology and New England Journal of Medicine.

Conferences and Invited speaker presentations: I have been invited to speak both nationally and internationally on epilepsy related subjects, and regularly participated in and/or organized workshops/seminars at national and international Epilepsy Meeting. I have frequently been an invited chair or co chair for National and International Congress sessions since 2005, and been on the congress program organizing committee for ENS meetings in 2012, 2013, and as Education Chair was on the Program Committee for the European Academic of Neurology (2014-18).

Full publication and presentation list available on request