

CURRICULUM VITAE

Professor Olwyn M.R. Westwood

B.Sc (Hons), Ph.D, FIBMS, FRSM, PFHEA

1. PERSONAL DETAILS

Surname: Westwood née Wilkinson **Forenames:** Olwyn Margaret Ruth
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2. ACADEMIC QUALIFICATIONS

B.Sc. (Hons) Nutrition, University of Surrey (1980)
Ph.D. Biochemistry UMDS (Guy's Hospital, now KCL), University of London (1989)
Title of thesis: *Placental Protein 14 (PP14): A study on the isolation, purification, physical characteristics and molecular biology of a protein*
Fellow of the Institute of Biomedical Sciences (1999)
Principal Fellow of the Higher Education Academy (2015)

Professional Affiliations

Fellow Institute of Biomedical Science
Principal Fellow Higher Education Academy
Fellow of the Academy of Medical Educators
Member of the Association of Medical Education in Europe
Member of the Association for the Study of Medical Education

3. EMPLOYMENT HISTORY

Comprehensive details of academic posts are provided in the Appendix (see pp17-19)

2020-current Professor Brunel University

2017-2020 Professor (Hon) Queen Mary University of London

National Center for Educational Quality Enhancement of Georgia.

Sabbatical to write a monograph: *Teaching Excellence in Higher Education – Lessons from the TEF* (published April 2018). Mentorship of colleagues in pedagogic practice and research, Ph.D. supervision, HEA applications, subject specialist tutor for undergraduate students. International and National profile in curriculum development and review, including external advisor and auditor in undergraduate medical education practice and research for the National Center for Educational Quality Enhancement of Georgia. Co-chair of academic audit and authorization for university degree awarding powers across all disciplines. Assessment advisor for membership examinations of a faculty with Royal college. Advising new medical schools with Georgia and in the UK on the requirements and recommendations for medical curriculum in terms of integrations of basic sciences, human sciences and clinical practice. Assessment and quality assurance in medical education, training of examiners, writing of curriculum documents and learning materials for case-based and problem-based learning, OSCE station writing, structured and domain-based marking schemes.

**Jan 2016- Aug 2017 Professor and Director of Postgraduate Taught Programmes,
Warwick Medical School, University of Warwick**

*Honorary Professor of Medical Education at Queen Mary University of London
Fellowship - Warwick International Higher Education Academy - October 2016.*

Strategic leadership for programme development (validated and short courses), quality assurance and enhancement for a range of multi-professional programmes (and course director for the Masters in Medical Education), student progression; technology-enhanced learning, professional accreditation. Leading on the development of strategic planning and policy developments, rationalising and repurposing of awards. Membership of Joint Academic Strategy Groups (committees for academic and external NHS stakeholders); pedagogic research funding, e.g. Technology-enhanced learning, thesis supervision and examination (Doctorate, Masters). Line management and mentorship of academic teams, University Assessment Offences panels, external adviser/examiner and critical friend, University-wide Chair, roles and committee membership across the disciplines within Warwick, e.g. Business, engineering, languages, sciences, arts and humanities, education. Chair of Periodic Review Panel, Faculty chair of education committees, National and International committee chair and membership; visitor on behalf of the General Medical Council, International education collaborations. Author and editors of textbooks and monographs, policy documents, peer reviewed papers. Editorial board member and reviewer for medical and healthcare education journals.

**2008-15 Professor of Medical Education, Associate Dean – Education Quality,
Queen Mary University of London (QMUL)**

Staff President of the QMUL Student Union's Peer Education Support Society.

Faculty-wide strategic leadership for curriculum developments, quality assurance and enhancement, with responsibility for the medicine and dental awards, undergraduate, Masters' and doctorate degrees: Validation, periodic review, accreditation and audit across all QMUL disciplines (education, science and engineering, arts and humanities, languages, health and law). External examiner and critical friend, teaching on transnational education initiatives, admissions and recruitment. Faculty, University, National and International committee chair and membership; Leading on Faculty development of pedagogic practice and recognition including mentorship of colleagues in application for various levels of HEA fellowship, International education collaborations, postgraduate research supervision, successful grants awarded (around £1 million). Keynote speaker/chair, thesis supervision and examination (Doctorate, Masters', BSc). Collaborating across disciplines with colleagues as curriculum and research advisors for spearheading initiatives, e.g. professional doctorate. visitor on behalf of the General Medical Council, Curriculum advisor for *Modernising Scientific Careers* (invitation of HEE Chief Scientific Officer). Author and editors of textbooks and monographs, international policy on research, peer reviewed papers.

2005-08 Reader in Medical Education

Centre for Research in Nursing and Midwifery Education, University of Surrey
2007: Education Fellowship to University of Brunei Darussalam

Health education research, mentorship of colleagues in pedagogic practice and postgraduate research supervision, overseeing postgraduate student progression, transnational education and recruitment initiatives, degree accreditation, Foundation Chair of National Assessment Board, by invitation and on behalf of the Dept. of Health, leading on the strategic planning and implementation of assessments

across multiple universities. Multi-professional education developments with external stakeholders; International developments for student recruitment.

2003-05 Director of MB BCh Curriculum Developments

Cardiff-Swansea Alliance at University of Swansea

Director of Curriculum Developments at Swansea – new medical school in Wales: Education innovation was central to the successful developments of a novel curriculum and footprint for a graduate entry programme in medicine, recruiting students of all disciplines. Researched and implemented best practice in curriculum design and learning infrastructure from discussions with colleagues in UK and Australia. Other activities included recruiting, line management and mentorship of the new academic teams, corporate activities and collaborations for the joint offering with Cardiff University, education governance, external negotiations to become a licenced teacher of anatomy. Leading on policy and strategy developments that would be accepted by two universities -The Swansea project was completed within budget, and 19 months, i.e. on time for the first student cohort.

1992-2003 Senior Lecturer / Honorary Senior Lecturer in Immunology,

University of Surrey Roehampton / St George's Hospital Medical School

1994: British Council Education Fellowship to Australia: Health Professional Training

2001: Invitation to Australia: Curriculum for Diabetes Educators

Undergraduate awards for the range of student demographics, including widening participation, mature students, and joint awards with qualified teacher status. MSc programme coordinator; teaching delivered face-to-face and distance learning, mentorship of colleagues (education and research), membership of Board of Governors, validation sub-committees and panels for awards, coordination of QAA visit (subject review); degree accreditation, research supervision of BSc, Masters and Ph.D. theses. At St George's Hospital Medical School: specialist tutor for the Graduate Entry Programme in Medicine, medical student support and remediation, Ph.D. supervision.

1988-92 Post-Doctoral Research Fellow, St. George's University of London

1989: Royal Society Fellowship to University of California at Berkeley

Molecular biology projects on intracellular targeting and mis-targeting of protein translation and translocation. First book published (Oxford University Press) Protein Targeting and Secretion – In Focus

1984-88 Biochemist and Ph.D. studentship (part-time) UMDS Kings College London

Routine laboratory diagnostics, and Ph.D. in molecular biology and protein chemistry.

1981-84 Medical Laboratory Scientific Officer, St. George's Hospital, London.

Routine and out-of-hours diagnostic pathology

PROFESSIONAL & SCHOLARLY ACTIVITIES

4. INTERNATIONAL / NATIONAL EDUCATION COLLABORATIONS

INTERNATIONAL

China 2008-current

- Multiple visits to China, advising on integration of multi-disciplinary curricula, with the opportunity to show case the UK universities for gaining interest and recruitment of international students.
- International Summit of Deans, Beijing (2008, 2009 and 2010)
- Nanchang University: visiting professor in biosciences 2014-2015

Australia

- Sabbatical Fellowship to academic departments in Melbourne and Adelaide to Evaluate Curriculum for Diabetes Educators, and Programme reviewer for the International Diabetes Federation Consultative Section on Diabetes Health Professional Education
- Evaluation of the transfer of professional education into tertiary education in Australia: i.e. impact of government-directed changes on re-organisation, information gathering to anticipate potential issues for curriculum development within the Joint Faculty at Kingston-SGUL

Brunei – Collaborations with senior academics in University of Brunei Darussalam 2006

- Invited as an education advisor for the new biomedical sciences curriculum
- Admissions and recruitment ambassador for University of Surrey: This has resulted in consistent numbers of Brunei students recruited to nursing and healthcare awards since 2007

Europe 2012-15

- *European Science Foundation*: Member of the Research Education in Europe Policy Committee: to design a curriculum to equip postgraduate students for a higher research degrees.

Georgia

- External advisor and auditor in higher education to the National Center for Educational Quality Enhancement of Georgia, panel chair for quality assurance and authorization of university awards.
- Curriculum advisor and Council member for the development of a new medical school at Ilia State University, Tbilisi.

Malaysia

- International Advisory Board of the Asian Institute of Medicine, Science and Technology for curriculum developments and degree accreditation with professional regulators.

NATIONAL

- 10 years as a Visitor on behalf of a PSRB for undergraduate and postgraduate education.
- Adviser to a PSRB on the Bologna Declaration and implications for UK degrees
- National Prescribing Safety Assessment: Member of the Stakeholder Committee: for a National skills assessment for UK medical undergraduates.
- Curriculum advisor, Modernising Scientific Careers postgraduates, Health Education England

Non-Governmental Organisations 2011-current

- *Centro de Investigación de Enfermedades Tropicales, Ottawa*: Education Consultant for delivery of Masters level education as distance learning and face-to-face in South Africa and Mexico
- *The Salvation Army* – an NGO in 125 countries with a healthcare education activities portfolio.

5. EXTERNAL EXAMINER / CRITICAL FRIEND

External Examiner: MSc Genetics with Immunology, Brunel 1996-1999

External Examiner MSc Biomedical Sciences Kingston, 2002-2007

External Advisor: BSc Biomedical Sciences Surrey accreditation with Institute of Biomedical Sciences

External Examiner MSc Advanced Practice (Physician Assistant) at Wolverhampton 2005-2009

External Advisor: degree revalidation in biomedical sciences division at Portsmouth 2006

External Examiner Medicine (final competence) Dundee 2009-2013

External Examiner Medicine Southampton 2009-2013

Critical Friend for curriculum design of the intercalated BSc Medical Education at Cardiff 2012

Critical Friend for multi-professional education at University of Southampton 2012

External Examiner Peninsula College of Medicine and Dentistry 2013-2018

External Examiner Kings College London. 2013-2018

External Examiner University of Birmingham Medical Education 2018-current

External Examiner University of South Wales, Medical Education 2018-current

6. EXTERNAL ASSESSOR – ACADEMIC PROMOTIONS

For readership and professorial promotions in the medical schools, e.g. Sheffield, Cardiff, St George's University of London, University College London, Plymouth University.

7. CONFERENCE COMMITTEE / INVITED SPEAKER (selected)

Organising Committees

- International 'Alltogether Better Health III' with 300+ delegates from over 30 countries, with keynote speakers from Europe, USA, Canada and Australia, and launched the new association in multi- and inter-professional education.
- Scientific Committee of the 4th International Skills Conference, Prato, Italy (2011)

Education Conferences – Speaker / Workshop facilitator

- Organizer and chair for workshops on education at British Society for Immunology.
- International Conference on Education, Brunei 2007
- Workshop Facilitator at Association Education meetings on:
 - New Ways of Working: new professional roles in the NHS 2007
 - Arts, Health, and Medicine, 2008 and 2010
 - Peer Observation and Feedback, 2011
- International Summit on Learning and Assessment, Beijing 2008, 2009, 2010
- Assessment of Communication Competence of EU professionals

- Session chair at AMEE and Ottawa conferences each year since 2008
- Keynote Speaker on 'Global Health and Education' Keele 2012
- The Future of Graduate Entry Programmes in the UK: Sept. 2004 and 2013 – Nottingham
- Graduate Entry Programmes in Medicine – April 2017 – Royal Society of Medicine
- Annual Medical Education Conference at University of Birmingham, May 2018

Staff Development Seminars presenter at: University of Birmingham; University of Bristol; University of Brunei Darussalam; University of Hertfordshire; University of Southampton, University of Nottingham, University of Surrey, University of Swansea; University of Wolverhampton.

RESEARCH ACTIVITIES

8. INCOME GENERATION

Grant monies for education research and innovation from research councils, the NHS and institutional funds, [in posts where I had a substantial academic administrative load]

Research Income in Current Post (since 2008)

- CETL Award (£15,400) Peer feedback on formative assessment as an aid to learning (Cushing and Westwood)
- Engineering and Physical Sciences Research Council/Richmond Pharmacology: Knowledge Transfer Partnership in Education (£469,000) (Dabnichki and Westwood)
- CETL Award (£17,926): Development and evaluation of a multimedia package for postgraduate inter-professional teaching of musculoskeletal examination skills (Morrissey and Westwood)
- National Practitioner Programme (£30,000): To set up the examinations and database for the National Accreditation Examinations for UK-Physician Assistants (Westwood)
- Arthritis Research UK Educational Research Fellowship; (£244,988): Educational interventions to improve GP management of shoulder pain (Brown, Morrissey, Westwood, Underwood)
- University of London Student Experience Innovation Fund (£50,149) Expanding Student Selected Components horizon of the QMUL curriculum (Carrier and Westwood)
- With CIET for development of on-line Masters programmes in Public Health (£31,250)
- University of London (£4,012) 'Enhancing the Student Experience of Research-based Learning and Writing' Project (Morrissey and Westwood)
- Medical Schools Council (£15,000) Assessment Initiative for Communication Skills Assessment for clinicians whose first language is not English (Cushing and Westwood)
- National Institute for Health Research: Academic Clinical Fellowship in Medical Education (Westwood, Roberts and Warrens)
- Modernising Scientific Careers: 3 Bids to tender were submitted to the Dept. of Health - Infection Sciences was successful – recurring revenue stream (Fowler, Westwood, Curtis)
- Medical College of St. Bartholomew's Hospital Trust: (£32,000) Develop and evaluate the use of Gynaecological Teaching Associates - Randomised Controlled Trial (Cushing, Westwood, Khan)
- Medical College of St. Bartholomew's Hospital Trust: (£32,000 renewed) Continuing the Gynaecological Teaching Associate Programme (Cushing, Westwood, Khan)
- National Institute for Health Research Academic Clinical Fellowship Medical Education (Westwood, Khan)

- Health Education – North Central and East London
 - £46,510: Scoping patient involvement in healthcare education (Westwood and Cushing)
 - £49,845: Scoping the potential for physician associate training (Westwood and Warrens)
- Queen Mary University of London (£40,000): Exploring the factors that impact on the success of current students from Widening Participation backgrounds (Nicholson, Piper and Westwood).
- Queen Mary University of London (£20,000) Support initiatives and their evaluation for medical students at risk of underperformance in applied clinical knowledge and skills assessments (Watson, Nicholson and Westwood)
- Nanchang University, China (£20,500) Visiting professorial award for biosciences (Westwood)
- Warwick International HEA (£3,528) Student Engagement – virtual Student Staff Liaison Committee

Income pre-2008

- Royal Society Travel Fellowship (£700): To attend the Gordon Research Conference and the 3rd International Meeting of the Protein Society in Seattle, USA. (Westwood)
- Medical Research Committee of St. George's Hospital (£22,000): To study: endometrial factors that regulate implantation of the human embryo. (Manyonda and Westwood)
- Research Committee of University of Surrey Roehampton (£1,000): To study the role of the sub-populations of placental cells in human embryo implantation (Westwood)
- South Thames Regional Health Authority (£59,661): To study the role of the human trophoblast as a feature of the materno-fetal relationship. (Westwood)
- Equipment Users Committee of SGHMS (£1,000): Equipment for on-going research (Westwood)
- University of Surrey Roehampton External Affairs Award (£300): Travel Fellowship to assist the International Student Exchange Scheme (Westwood)
- British Council Study Travel Fellowship (£985): Collaboration with Chiron Mimotopes and New South Wales College of Nursing to discuss education strategies (Westwood).
- Royal Society Grant (£1,052) awarded, but I did not accept payment as the British Council also provided a travel fellowship for the trip to Australia (see above); (Westwood)
- Chiron Mimotopes Peptide Systems (£8,000) Reagents to continue collaborative studies on rheumatic diseases (Hay and Westwood).
- Special Trustees of St. George's Hospital (£37,000) To study the role of rheumatoid factor in relation to disease patterns and activity in RA and SLE (Hay and Westwood)
- British Society for Immunology (£300): Reciprocal Exchange Travel Fellowship between British, Polish and Russian Immunological Societies (Westwood)
- South Thames Regional Health Authority (£12,241) To study the role of Fas ligand as a feature of the materno-fetal relationship (Westwood)
- Takeda Travel Fellowship (£750): Diabetes education of health professionals (Westwood)
- Surrey and Sussex Strategic Health Authority (£7,380): Training Needs Analysis for Non-Medical Prescribers (Green, Westwood and Smith).
- European Oncology Nurses Society (£2,000) Facilitation Education and Training (Westwood)
- FSDLT Award: (£18,000): To developing the use of objective structured examination for formative professional-based assessment using Peer Feedback (Curtis and Westwood).
- Travel Fellowship to Brunei: (£1,500): Biomedical education and curriculum development (Westwood)

Grant submitted 2018

- Education Fellowship application (£63,942 / Can\$109,000) Comparative study of competency decision-making in education and training. (Royal College of Surgeons of Canada and England).

9. THESIS EXAMINER /SUPERVISOR

Thesis Examiner – Ph.D. and MSc at:

Examiner for Ph.D. awards at Surrey, King's College London, Bolton, and Portsmouth

Supervision of around 50 Master's theses at University of Surrey Roehampton, Surrey, and Warwick

Thesis Supervision - Ph.D. and Professional Doctorate theses

Supervision and examination of theses have been an integral part of my academic roles

University of London	Sargu Patel	Ph.D awarded 1996
University of London	Alistair Easterfield	Ph.D awarded 1999
University of Surrey	Saiqa Malik	Ph.D awarded 2002
University of Surrey	Mona Patel	Ph.D awarded 2002
University of Surrey	Iain Haysom	Ph.D awarded 2002
University of London	Victoria Tzortziou Brown	Ph.D awarded 2015
University of Surrey	Allison Wiseman	D.Clin Pract. awarded 2016
University of London	Simon Fleming	Ph.D registered 2014 (part-time)

10. EDITORIAL BOARD / JOURNAL REVIEW PANEL

Current Medical Literature Associate Editor: Royal Society of Medicine 1998-2003

Editorial Board: BMC Medical Education

Reviewer for the following journals:

BMC Medical Education

BMJ Open Access

Medical Education

Nurse Education Today

Postgraduate Medical Journal

The Clinical Teacher

11. EUROPEAN, NATIONAL, LOCAL REPORTS / BOOK REVIEWS

European Science Foundation, Strasbourg, France Science Policy Briefing 46:

Medical Research Education in Europe

http://www.esf.org/fileadmin/Public_documents/Publications/spb46_MedResEurope.pdf

European Oncology Nursing Society 'Facilitation of Cancer Education and Training' 2007
<http://www.cancernurse.eu/documents/FaCEThelpguide.pdf>

Quality Assurance in Medical Education as a visitor on behalf of the General Medical Council

Local Reports - selected

- 2007 A Training Needs Analysis for Non-Medical Prescribers Report for the Surrey and Sussex Strategic Health Authority.
- 2007: The Competence and Curriculum Framework for the Physician Assistant National Practitioner Programme, Dept. of Health
- 2008 Bologna report to the General Medical Council: '*Structure of Medical Education in Europe: Implementing Bologna*'
- 2008 / 2012: Self-assessment documentation for the GMC audits of medicine
- 2009 Credit framework document for the MBBS and BDS - used as an exemplar of good practice by QMUL
- 2009 Education Research Strategy to augment medical education research at QMUL
- 2010 Learning, Teaching and Assessment Strategy Medicine and Dentistry – 2010-15
- 2011-12 Periodic Reviews: Self-Evaluation and Associated documents for: MBBS and School of Medicine and Dentistry, Institute of Health Sciences Education and Mentorship for the School Institutes.
- 2013 Mapping QMUL CPD provision to the UK Professional Standards Framework for accreditation by the Higher Education Academy
- 2014 Mock NSS review and evaluation for all undergraduate students on QMUL's MBBS
- 2016 Periodic review: self-evaluation documents for Postgraduate Education
- 2017 The 5-year Strategic Plan for Postgraduate Education – Warwick Medical School

Book reviews

Times Mirror International Publishers to write a comparison of Essential Immunology (8th edition) by IM Roitt, and *Immunology (4th edition)* IM Roitt, J. Brostoff, and D. Male.

Pre-publication review for Oxford University Press: *Oxford Textbook of Medical Education* edited by Kieran Walsh

12. PUBLICATIONS

TEXTBOOKS /JOURNAL EDITOR

Austen, B and Westwood, OMR (1991) *Protein Targeting & Secretion* In Focus series, IRL Press, Oxford University Press.

Westwood, OMR (1999) *The Scientific Basis for Health Care* Times Mirror Int. Publishers, London.

Westwood, OMR & Hay FC (2001) *Epitope Mapping: A Practical Approach*, Oxford University Press, Oxford.

Hay, FC. & Westwood, OMR. (2002) *Practical Immunology (4th edition)* Blackwell Science, Oxford

Guest Editor for the journal, 'Rheumatology', for a special issue on *Medical Education in practice* 2012

Westwood, OMR, Hay FC, Griffin A. (2013) '*How to assess students and trainees in medicine and health*'
Wiley Blackwell, Oxford

Eales-Reynolds, L-J; Westwood OMR (2018) '*Teaching Excellence in Higher Education – Lessons from the TEF*' pub. KDP publishing

Evans, CA, Eales-Reynolds, L-J Westwood OMR. *Enhancing Engagement in Research-Informed Learning and Teaching Across Disciplines* - [In preparation for October 2018]

BOOK CHAPTERS and ARTICLES

Bolton, AE, Pockley, AG, Mowles, EA, Stoker, RJ, Westwood, OMR, Chapman, MG. (1989) Biological Activity of PP14 in "Implantation, Biological & Clinical Aspects" eds. MG. Chapman, G. Grudzinskas & T. Chard. 135-144

Hay, FC and Westwood, OMR. "Hypersensitivity Type III" in Immunology edited by I. Roitt, J. Brostoff and D. Male, Elseviers 4th ed. 1996; 5th ed. 1998; 6th ed 2001, 7th ed. 2007

Hay, FC and Westwood, OMR "Generation of Diversity" in Immunology edited by I. Roitt, J. Brostoff and D. Male. Times Mirror International Publishers
4th edition in 1996; 5th edition in 1998

Grimble GK, Westwood OMR (2000) Nucleotides and Nutrition. In Nutrition and Immunology: Principles and Practice. (Gershwin, ME, German B, Keen CL, eds) pp135-144.

Westwood OMR (2011) *A Medical Curriculum – Integration of basic and clinical sciences* in Assessment and Training of Tomorrow's Doctors 3rd International Forum of Medical Deans, Beijing (PMPH e-book) pp137-149

Leonardi-Bee, J. and Westwood OMR, (2014) "Systematic Reviews" in: An Introduction to Health Services Research ed. D-M Walker, pub. Sage

PAPERS

Bolton, AE, Pockley, AG, Clough, KJ, Mowles, EA, Stoker, RJ, Westwood, OMR, Chapman, MG. (1987) Identification of placental protein 14 as an immunosuppressive factor in human reproduction. *Lancet* i (8533), 593-95

Westwood, OMR, Chapman, MG, Totty, N, Philp, R, Bolton, AE, Lazarus, NR. (1988) N-terminal sequence analysis of placental protein 14 purified in high yield from decidual cytosol. *J. Reprod. Fertil* 82: 493-500.

Pockley, AG, Mowles, EA, Stoker, RJ, Westwood, OMR, Chapman, MG, Bolton, AE. (1988) Suppression of in vitro lymphocyte reactivity to phyto-hemagglutinin by placental protein 14. *J. Reprod Immunol.* 13: 31-9.

Quartero, HW, Dixon, JE, Westwood, OMR, Hicks, B, Chapman, MG. (1989) Ovulation induction in polycystic ovarian disease by pure FSH (Metrodin). A comparison between chronic low dose pulsatile administration and i.m. injections. *Hum. Reprod.* 4: (3) 247-9.

Adcock, I, Westwood, OMR. & Austen, BM. (1989) Interaction of signal and transit peptides with membrane proteins and phospholipids. *Biochem Soc. Trans.* 17: 823

Robinson, A, Westwood, OMR. & Austen, BM. (1990) Interaction of signal peptides with signal recognition particle. *Biochem. J.* 266: 149-56.

Westwood, OMR. (1990) "Signal peptides block processing of alpha-mating factor in yeast by binding to a microsomal 52kDa protein. *J. Cell Biochem* 14C: 27 (H129); UCLA Symposia, Genetic and In Vitro Analysis of Cell Compartmentalisation, New Mexico

He, M, Robinson, A, Adcock, I, Westwood, O, Austen, B. (1991) Mechanisms of intracellular targeting and translocation across membranes of newly-synthesised proteins. *Methodological Surveys in Biochemistry & Analysis.* 21: 397-406

Robinson A, He M, Westwood OMR, Austen BM. (1992) Regulation of Endoplasmic Reticulum Proteins Functional in the Translocation and Maturation of Secretory Proteins. In "Baculovirus and Recombinant Protein Production Processes" (Eds Vlak JM, Schlager E.-J & Bernard AR) 128-44

Westwood, OMR, Austen, BM (1993) Cross-linking signal sequences to components of yeast microsomes. In "Protein Synthesis and Targeting in Yeast" (eds Brown, AJ, Tuite, MF & McCarthy, JEG.) NATO-ASI Series H: Cell Biology 71: 315-324

Robinson, A, He, M, Westwood, OMR, Austen, BM. (1993) Changes in levels of pancreatic endoplasmic reticulum proteins that function in translocation and maturation of secretory proteins in response to cholecystokinin. *Cytotechnology* 11: 197-204.

Soltys, AJ, Bond, A, Westwood, OMR, Austen, BM, Thompson, KM, Natvig, JB, Hay, FC. (1994) IgG glycosylation and immune complex formation. *Glycosylation and Disease* 1: 212-9.

Westwood, OMR, Soltys, AJ, Tribbick, G, Austen, BM, Hay, FC. (1994) Molecular Modeling of the IgG Fc region has revealed two linear sequences that form a potential discontinuous epitope for binding rheumatoid factors. *Immunology* 83: (Supp1) 67.

Soltys, AJ, Westwood, OMR, Austen, BM, Bond, A, Hay, FC. (1994) Analysis of rheumatoid factor binding to synthetic peptides and galactose deficient IgG molecules Clin exp. Rheum. 12. (Supp11) S-110.

Westwood, OMR, Soltys, AJ, Austen, BM, Hay, FC. (1994) Molecular Modelling of IgG Fc reveals clustering of linear sequences to form potential conformational epitopes for binding rheumatoid factors. Clin. exp. Rheum. 12 (Supp11) S-110.

Westwood, OMR, Soltys, AJ, Hay, FC (1995) Identification of key epitopes on the Fc region of IgG that bind rheumatoid factors isolated from patients with rheumatoid arthritis. Polish J. Immunol 20: 316.

Nelson, PN, Westwood, OMR, Jefferis, R, Goodall, M, Hay, FC (1995) Monoclonal antibodies with dual specificity corroborated by epitope mapping. Immunology 86: (Supp1), 151.

Douds, AC, Dave, J, Westwood, OMR, Maxwell, JD, Hay, FC, Poulton. TA. (1995) Distribution of calreticulin in the liver of normal subjects and patients with alcoholic liver disease. Immunology 86: (Supp1), 111.

Soltys, AJ, Bond, A, Westwood, OMR, Hay, FC (1995) The effects of altered glycosylation of IgG on rheumatoid factor binding and immune complex formation. Adv. Expt. Med & Biol. 376: 155-60.

Laversuch, CJ, Tribbick, G, Westwood, OMR, Bruckner, FE, Hay FC (1996) Using the Pepscan technique to Map the Binding of Rheumatoid Factors to IgG. Br. J. Rheum. 35 (Supp 1) 173.

Laversuch, CJ, Tribbick, G, Westwood, OMR, Bruckner, FE, Hay FC (1996) Rheumatoid Factor Epitope Profiles in Rheumatoid Arthritis vs Less Active Disease. Br. J. Rheum. 35 (Supp 1) 173.

Easterfield, AJ, Austen, BM, Westwood, OMR (1996) Fas ligand expression during human placental development. Immunology 89 (Supp 1) 57.

Nelson, PN, Westwood, OMR, Jefferis, R, Goodall, M & Hay FC (1996) Characterisation of anti-IgG Mab A57H by epitope mapping. Biochem. Soc. Trans. 373.

Nelson, PN, Westwood, OMR, Jefferis, R, Goodall, M & Hay FC (1997) Epitope mapping of anti-IgG monoclonal antibodies. Immunology 92: (Supp 1) 100.

Easterfield, AJ, Austen, BM, Westwood, OMR (1997) Fas ligand expression in choriocarcinoma cell lines and inhibition of T cell proliferation. Immunology 92: (Supp 1) 72.

Westwood OMR (1997) Nutrition in practice. Nutrition and immune function... part 1. Nursing Times. 93(15): insert 1-6.

Nelson, PN, Smith, S, Pitman, R, Murray, P, Perera, SA, Westwood OMR, Hay, FC, Ejtehadi, HDJ, Booth, JC (deceased) (1999) Serological and molecular investigations implicate human endogenous retroviruses as mediators of anti-retroviral antibodies in autoimmune rheumatic diseases. Immunological Investigations 28 (4) 277-289.

Easterfield, AJ, Austen, BM, Westwood, OMR, (2001) Inhibition of antigen transport by expression of Infected cell peptide 47 (ICP47) prevents cell surface expression of HLA-G in choriocarcinoma cell J. *Reprod. Immunol.* 50(1):19-40

Grimble, G, Westwood OMR (2001) Nucleotide immune-modulators in clinical nutrition. *Curr Opin. Clin. Nutr. Metab.* 4(1):57-64.

Nelson, PN, Westwood, OMR, Soltys, A, Jefferis, R, Goodall, M, Baumforth, K, Waldron, E Ejtehad, HD, Frampton, G Tribbick, G, Roden, D, Hay FC (2003) Characterisation of epitopes of pan-IgG/anti-G3m(u) and anti-Fc monoclonal antibodies. *Immunol. Letts* (1):77-83.

Westwood, OMR, Richardson, L (2005) Developing a Medical Care Practitioner to Meet the Needs of England, *Perspective on Physician Assistant Education* 16 (1) 50-53.

Westwood OMR (2005) Graduate Entry into Medicine – a new way to study medicine in Wales. *Welsh Paediatric Journal* 22: 5-12.

McEniery, CM, Yasmin, Wallace, S Maki-Petaia, K, McDonnell, B, Sharman, JE, Retallick, C, Franklin, SS, Brown, MJ, Lloyd, RC, Cockcroft, JR on behalf of the ENIGMA Study Investigators (Pusalkar, P, Sansbury, M, Schmitt, M, Taylor, J, Thomas, E, Thomas, N, Westcott, R, Westwood, O, Williams. S.) (2005) Increased Stroke Volume and Aortic Stiffness Contribute to Isolated Systolic Hypertension in Young Adults Hypertension. 46: 221-226.

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Birchenall, K, Quenby, S, Westwood, O. Is there an association between chronic endometriosis and recurrent pregnancy loss or preterm birth? Does treatment with antibiotics improve pregnancy outcome? NIHR: PROSPERO International Prospective Register of systematic reviews [In progress]

13. CONTINUING PROFESSIONAL DEVELOPMENT

High Potential Leadership Programme – Invitation from the Principal of QMUL
Warwick Leadership Programme
Regular attendance at National and International medical education conferences
St George's Advanced Medical Assessment Course.
Prato Bi-annual Clinical Skills Conference.

14. INTERESTS and HOBBIES

Hiking and walking; gardening; reading for pleasure; choral singing, active member of my church choir.

15. REFEREES

Professor Aileen Clark – *Chair of Faculty of Medicine, Warwick Medical School*
Warwick Medical School, Gibbett Hill Campus, University of Warwick
Coventry CV4 7AL
Aileen.Clarke@warwick.ac.uk
Tel: 024 7615 0063

Professor Sir Nicholas A Wright: *Vice Principal who appointed me and with whom I worked for the duration of my employment at QMUL*
Barts Cancer Institute, Queen Mary University of London
John Vane Science Centre, Charterhouse Square, London EC1M 6BQ
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Tel: 020 7882 3575

Professor Mike Curtis *previously Deputy Vice Principal at QMUL*
Executive Dean – King's College London Dental Institute
mike.curtis@kcl.c.uk
Tel: 020 7188 1164

Professor Frank C Hay *Emeritus Vice Principal at St George's University of London, previous line manager, colleagues and co-author*
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APPENDIX:

ACADEMIC LEADERSHIP

Director of Postgraduate Taught Programmes: Warwick Medical School

Cross-University and Departmental Committees

- Membership of central Warwick Committees: Board of Graduate Studies, Quality Assurance Working Group, Student Recruitment Steering Group.
- Membership of the following Faculty committees: Faculty of Medicine Board, Graduate Studies Committee, Senior Management Group, Joint Faculty Strategy Committee, Division of Biomedical Sciences Management Board.
- Chair of Postgraduate learning and teaching committee,
- University chair: Periodic Review Panel; Assessment Offenses Panel
- Mentorship and assessment of academic colleagues for HEA Fellowship applications
- Successful application for HEA accreditation of the PG-Cert in Medical Education.
- Successful internal grant funding to pilot the virtual Student Staff Liaison Committee, using *Blackboard Collaborate* to garner student voice for enhancing the student experience.

Research and Scholarship

- Director of Postgraduate Studies, overseeing postgraduate student progression and education support for Ph.D. students and supervisors
- Ph.D. supervision (currently at QMUL)
- Masters-dissertation supervision in education
- Current education projects
 - i. Educational support for postgraduate students
 - ii. Widening participation initiatives and developing students support programmes

Queen Mary, University of London: Professor / Faculty Associate Dean – Education Quality

Director of Graduate Studies: Institute of Health Sciences Education

Cross-University

- Membership of central QMUL Committees: Education Partnership Board (Transnational education research and recruitment), Senate, VP-Learning and Teaching Advisory Board, Student Experience Advisory Board, Panel membership for programme review and validation
- International consultancy in recruitment, curriculum and assessment for QMUL
- Deputy chair of the QMUL assessment offenses panel
- Coordination of the QMUL's application for independent UK primary medical qualification status as part of the full degree-awarding powers of QMUL
- Teaching and mentorship of academic colleagues on QMUL's Postgraduate Certificate in Academic Practice and Certificate in Teaching and Learning;
- Successful in grant funding including a Knowledge Transfer Partnership award (£469,000) with the School of Engineering for use of learning technologies in learning, assessment and feedback for enhancing the student experience.

Research and Scholarship

- Director of Graduate Studies, overseeing graduate student progression and support for Ph.D. supervisors

- University development of governance for Professional Doctorate awards.
- Ph.D. supervision, e.g. Musculoskeletal Education – funded by Arthritis Research UK
- BSc- and Masters-dissertation supervision in education
- Successful Bid to Tender: Modernizing Scientific Careers (recurring revenue)
- Authorship on *“How to Assess Students and Trainees in Medicine and Health”* (Wiley Blackwell)
- Current education projects
 - Public engagement in education and training
 - Educational support for students with specific learning difficulties
 - Widening participation initiatives evaluated for developing students support programmes

Faculty

- Programme development, validation, education quality assurance and enhancement, including a foundation programme into undergraduate education, and Masters Programmes.
- Monitoring of education provision of partner education providers, with follow-up for faculty development and mentorship in education
- Two GMC audits of MB BS at School of Medicine and Dentistry (2008-09, 2012-13) – both with successful outcomes
- Admissions and recruitment with equality and diversity metrics / value-based recruitment
- Mentorship for Athena Swann initiatives and faculty seeking promotion
- Chair of committees GMC Steering Group; Education Quality and Enhancement Committee; Examination Board (Part 1); Faculty CPD Development Committee
- Membership of Faculty Education committees e.g. curriculum, assessment, student support, Deans’ advisory board; Professional Capability Panel.

Reader in Education: Centre for Research in Nursing and Midwifery Education, (CRNME) University of Surrey

- Foundation chair for the National Assessment Board for UK Physician Assistant for the Dept. of Health; blueprinting to the National Framework document and synchronized for at multiple sites; International cooperation with USA for setting up the new health profession in the UK - the Physician Associate (PA).
- Facilitation document: for Implementation of Curriculum of the European Oncology Society
- Scoping exercises for potential expansion on new health-related programmes
- Supervision of colleagues in health professional education research projects new to research project design and implementations
- A Visitor on behalf of the General Medical Council
- Ph.D. supervisor mentorship for colleagues

Director of Curriculum / Infrastructure, Swansea – Cardiff Alliance

A collaboration between Swansea and the Wales College of Medicine in Cardiff and supported by the Welsh Assembly Government. My role included curriculum and learning infrastructure design, line management of academic teams and corporate activities:

Design Activities

- Preparation of the validation documents for the Graduate Entry Programme in Medicine [GEP] at University of Wales Swansea.
- To design of an equivalent, fast-track curriculum to MB BCh [Wales] at Cardiff for science and non-sciences graduates.
- Visited universities in the UK, USA and Australia to research all aspects of the design, and systems needed for ensuring best practice in the two teaching laboratories. In collaboration with the Business Director and Swansea's Estates departments, to design the refurbishments of two large chemistry laboratories and equipped into the Anatomy Suite and Clinical Skills Laboratory.
- The admissions strategy: liaising with UCAS and Australian Council for Education Research, for Swansea to use the Graduate Australian Medical Schools Admissions Test [GAMSAT] as part of the selection criteria.
- Collaborate with Cardiff University for the design and delivery of medical programme
- Negotiations with the Dept. of Health for an anatomy facility, becoming the first licensed teacher of anatomy since devolution in Wales.
- Management of the programme as its director, and as an integral part of the committee structure for the programme management between Cardiff and Swansea.

Corporate Activities

- Representative for Faculty of Science Quality Committee of University of Wales Swansea
- Chief examiner / coordinator of intermediate examinations at Swansea
- Swansea Member of the New Schools' Forum of the Council of Heads of Medical Schools
- Media publicity for the new school, including the BBC news
- Welsh Assembly Government: Ministerial visits and interactions for additional revenue stream for the communication skills curriculum
- Publicity for the new medical school, featured on BBC news.

University of Surrey Roehampton

- MSc programme coordinator and teaching (Clinical Neuroscience and Immunology, Diabetes) – delivered face-to-face and distance learning (multi-professional awards).
- Teaching on undergraduate awards for the range of student demographics, including overseas students and students entering higher education via Recognition of Prior Learning routes.
- Member of Board of Governors at Whitelands College, Roehampton
- Coordination of QAA visit (subject review) in 2000
- Validation Sub-Committee for Academic Standards and degree validation panels
- Research supervision of BSc, Masters and Ph.D. theses