

CURRICULUM VITAE

BRIAN TOMLINSON

BSc, MBBS, MD, MRCP(UK), FHKCP, FRCP, FRCP(E), FRCP(G), FHKAM(Med), FCP, FACP.

Executive Summary

Brian Tomlinson completed an intercalated BSc in Medical Sciences in 1970 and graduated in Medicine from the Middlesex Hospital Medical School, University of London, UK in 1973. He obtained the MRCP (UK) in 1976 and trained in General (Internal) Medicine in various hospitals in the UK including the Dundee teaching hospitals and University College Hospital, London. He trained in Clinical Pharmacology and Clinical Toxicology in addition to General (Internal) Medicine from 1983 to 1990 at University College and Middlesex School of Medicine, University College London and was awarded Accreditation for Higher Medical Training in General (Internal) Medicine, Clinical Pharmacology and Therapeutics from the Royal College of Physicians Joint Committee on Higher Medical Training (JCHMT-UK) in 1990.

He received his MD from the University of London, UK in 1993. He is a Fellow of the Hong Kong College of Physicians, a Fellow of the Hong Kong Academy of Medicine, a Fellow of the Royal Colleges of Physicians of London, Edinburgh and Glasgow, a Fellow of the American College of Physicians and a Fellow of the American College of Clinical Pharmacology.

He was appointed as Senior Lecturer in Clinical Pharmacology at The Chinese University of Hong Kong in 1990 and subsequently promoted to Professor II then Professor I and in 2007 to Chair Professor of Medicine and Therapeutics. He was Head of the Division of Clinical Pharmacology from 2003. He has been Honorary Consultant Physician at the Prince of Wales Hospital, Shatin, Hong Kong from 1990 onwards performing duties in General (Internal) Medicine and Clinical Toxicologist in the Drug and Poisons Information Bureau at the Prince of Wales Hospital from 1990 to 2005 and in the Poisons Treatment Centre from 2005 onwards. He retired from the full time position at The Chinese University of Hong Kong in 2015 and held 3 Adjunct Professor positions at The Chinese University of Hong Kong from 2015 to 2019. He continues to work part-time in General (Internal) Medicine at the Asia Medical Specialists Private Clinic with special interests in hyperlipidaemia, hypertension and diabetes.

From November 2019, he was appointed as Professor in the Faculty of Medicine at Macau University of Science and Technology.

His specialist clinical and research interests include the clinical pharmacology, toxicology and pharmacogenetics of drugs, particularly in the cardiovascular field, and the pathogenesis and treatment of hyperlipidaemia, hypertension, the metabolic syndrome and diabetes. He has been awarded numerous grants for research and has been an investigator in many clinical trials including Phase 1 Clinical Trials and later Phase trials in hyperlipidaemia, hypertension and diabetes. He has trained over 35 postgraduate students and is an author of over 400 publications and over 500 conference abstracts and has given numerous invited lectures. He is a reviewer for many journals and serves on several journal Editorial Boards.

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BSc, MBBS, MD, MRCP(UK), FHKCP, FRCP, FRCP(E), FRCP(G), FHKAM(Med), FCP, FACP.

Personal details: Date of Birth: 24.01.1950. Place of Birth: Beverley, England. Nationality: British

Private Address: Flat A3, Block 44, Villa Castell, 20 Yau King Lane, Tai Po, N.T., Hong Kong.

Tel: (852) 2603 6362, mobile (852) 9154 7988

Hong Kong Medical Registration Number: M 07689

Specialist Registration in Internal Medicine Number: S12-0063

Specialist in Internal Medicine, Clinical Pharmacology and Clinical Toxicology

Appointments:

From November 2019:

Professor, Faculty of Medicine, Macau University of Science and Technology, Taipa, Macau, China.

Professional Address:

Faculty of Medicine, Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau, China.

Secondary Education: Goole Grammar School, Goole, Yorkshire. 1960-67

Medical School: Middlesex Hospital Medical School, University of London, UK. 1967-73

Qualifications:

Degrees & Accreditation:

BSc First Class Honours (Medical Sciences) 1970

The Middlesex Hospital Medical School, University of London, UK

MBBS University of London, UK 16.11.1973

MRCP (UK) 30.11.1976

MD University of London, UK 1993

Accreditation for Higher Medical Training in General (Internal) Medicine, Clinical Pharmacology and Therapeutics from the Royal College of Physicians (JCHMT-UK) 1990

Fellowships:

FHKCP Fellow of the Hong Kong College of Physicians 15.09.1992

FHKAM (Medicine) Fellow of the Hong Kong Academy of Medicine (Medicine) 09.12.1993

FRCP (Lond) Fellow of the Royal College of Physicians of London Apr 1994

FRCP (Edin) Fellow of the Royal College of Physicians of Edinburgh July 1994

FCP Fellow of the American College of Clinical Pharmacology Oct 1996

FACP Fellow of the American College of Physicians Jan 1997

Fellow of the Hong Kong College of Cardiology May 1997

FRCP (Glasg) Fellow of the Royal College of Physicians and Surgeons of Glasgow 2000

Previous Appointments:

- House Physician in Cardiology, (Dr. W. Somerville & Dr. R.W. Emanuel)
Middlesex Hospital London, W.1. U.K. Feb 1974-Jul 1974
- House Surgeon in Urology and General Surgery, (Mr. CP Bates & Mr. WM Gray)
The General Hospital, Nottingham. Aug 1974-Jan 1975
- Senior House Officer in General Medicine, (Dr. RBN Wilsdon & Dr. CE Astley)
North Ormesby Hospital, Middlesbrough. Feb 1975-Jul 1975
- Senior House Officer in General Medicine, (Dr. GBR Warnock & Dr. D Carr)
North Tees General Hospital, Stockton-on-Tees. Aug 1975-Jan 1976
- Senior House Officer in Gastroenterology, (Dr. AW Dellipiani)
North Tees General Hospital, Stockton-on-Tees. Feb 1976-Jul 1976
- Senior House Officer in Neurology, (Dr. M Saunders & Dr. DC Thrush)
Middlesbrough General Hospital, Middlesbrough. Aug 1976-Jan 1977
- Registrar in Professorial Medical Unit, Dundee Teaching Hospitals. Jan 1977-Jan 1980
(a) General Medicine and Nephrology, (Dr. WK Stewart) Jan 1977-Jan 1978 & Mar 1979-Jan 1980

- (b) General Medicine and Diabetes, (Dr. R. Semple) Feb 1978 - Feb 1979
8. Lecturer in Medicine & Honorary Senior Registrar
Medical Unit, University College Hospital, London.
(Prof OM Wrong, Prof BNC Prichard & Dr. SL Cohen) Feb 1980-Jun 1983
9. Clinical Lecturer in Clinical Pharmacology & Honorary Senior Registrar in Medicine,
Dept of Clinical Pharmacology, University College and Middlesex School of Medicine,
University College London (Prof. BNC Prichard & Dr. CWI Owens). Jul 1983-Feb 1990
10. **Chair Professor of Medicine and Therapeutics** from 2007 to 2015, The Chinese University of Hong Kong
Honorary Consultant Physician, Prince of Wales Hospital, Shatin, Hong Kong from 1990 onwards
Head of Division of Clinical Pharmacology, The Chinese University of Hong Kong from 2001 to 2015
Senior Lecturer in Clinical Pharmacology/Professor II/Professor I, CUHK from 1990 to 2007
Clinical Toxicologist in the Poison Treatment Centre, Prince of Wales Hospital from 1990 onwards
Physician in Charge of the Lipid Clinic, Prince of Wales Hospital from 1990 to 2015
Fellow of the Institute of Chinese Medicine, The Chinese University of Hong Kong.
11. Up to 31 Octobers 2019:
Adjunct Professor, Department of Medicine and Therapeutics, The Chinese University of Hong Kong - from August 2015
Adjunct Professor, Phase I Clinical Trial Centre, The Chinese University of Hong Kong - from August 2015
Adjunct Professor, Hong Kong Institute of Diabetes and Obesity, The Chinese University of Hong Kong - from August 2015
Honorary Consultant Physician, Prince of Wales Hospital, Shatin, Hong Kong SAR - from 1990-2019
Physician in Internal Medicine, Asia Medical Specialists, 8/F China Building, 29 Queen's Road Central, Hong Kong – from 2015
Chairman: Joint Chinese University of Hong Kong-New Territories East Cluster Clinical Research Ethics Committee (Joint CUHK-NTEC CREC) Phase I Subcommittee from 2013 (Previously Member of Joint CUHK-NTEC CREC General Committee from 2008 to 2016)

Membership of Learned Societies and Professional Bodies:

1. Asian-Pacific Society of Atherosclerosis & Vascular Diseases (President from 2014 to 2018, Secretary General from 2005 to 2014)
2. Member of the International Atherosclerosis Society - Chair of Asia-Pacific Federation of the International Atherosclerosis Society from Jan 2019
3. Member of the International Society of Hypertension
4. Member of the International Society of Cardiovascular Pharmacotherapy
5. Member of the Hong Kong Pharmacological Society (President 2005-2009, and 2018 to present)
6. Member of the Society for the Study of Endocrinology, Metabolism and Reproduction (Hong Kong)
7. Member of the Hong Kong Medical Association
8. Member of the British Medical Association (Hong Kong Branch Vice President 1999)
9. Member of the European Atherosclerosis Society
10. Secretary General of the Pacific Rim Association for Clinical Pharmacogenetics since 2010:
See: <http://www.med.niigata-u.ac.jp/psy/PRACP/>

CLINICAL ACTIVITIES:

General Medicine

I have worked in general internal medicine since 1975 in the United Kingdom then in Hong Kong. From 1990 up to 2015 in Hong Kong, I took part in the general medical acute admissions rota, along with the other Physicians in the Department of Medicine and Therapeutics, providing supervision of care for In-Patients and I attended two Out-Patient sessions per week in the Li Ka Shing Specialist Clinic at the Prince of Wales Hospital. Since 2015, I have worked in general medicine part time in a private medical clinic with Asia Medical Specialists.

Lipidology and hypertension

I established the first Lipid Clinic in Hong Kong at the Prince of Wales Hospital in 1990. My main areas of specialist interest in medicine are in the investigation and management of hyperlipidaemia and hypertension and related disorders. I have developed guidelines for the treatment of hyperlipidaemia in the Prince of Wales Hospital.

Clinical Pharmacology & Clinical Toxicology

One of the Consultant Physician Clinical Toxicologists in the Drug and Poisons Information Bureau at the Prince of Wales Hospital from 1990 to 2005 and in the Poisons Treatment Centre from 2005 onwards providing treatment and advice on poisoning and drug, chemical and herbal toxicity and adverse drug reactions.

TEACHING ACTIVITIES:

I have been actively involved in teaching clinical medical students in lectures, tutorials and bedside teaching sessions since 1980. This includes teaching the introductory sessions to clinical medicine involving medical history taking and the principles of clinical examination. In my current position as Adjunct Professor in the Department of Medicine and Therapeutics, teaching the undergraduate medical students is my main duty and I have teaching sessions several times a week as tutorials and bedside teaching.

I have also provided the specialist teaching in Clinical Pharmacology and Clinical Toxicology in the form of lectures and tutorials to the clinical medical students and also to preclinical students to supplement their teaching in pharmacology and I give regular lectures on the clinical features and management of hypertension and hyperlipidaemia.

I have also been responsible for setting the written examination for medical students for several years and I have been an examiner in the clinical examinations for the junior and senior clinical medical students at least once every year since 1990.

My teaching activities have included:

1. Undergraduate medical students, particularly year 3 (now year 4) and the final year
2. Undergraduate Pharmacy students
3. Medical officers preparing for higher examinations
4. Postgraduate students
5. Masters and Diploma courses in Advances in Medicine
6. Masters and Diploma courses in Diabetes & Endocrinology
7. Master of Science in Cardiology
8. Practice Tips Workshops for Interns.

Supervision and examination of postgraduate students

Successfully supervised 24 Ph.D. and 11 Masters Students

Previously assisted and advised another 6 Ph.D. and 2 Masters Students.

Internal examiner for Postgraduate Degrees at the Chinese University of Hong Kong:

Degree of Doctor of Medicine 10

Ph.D. Degrees 57

Masters Degrees 18

External examiner for Postgraduate Degrees: 16

RESEARCH ACTIVITIES:

A. Research Interests:

My research interests centre on the pathogenesis and treatment of hypertension and hyperlipidaemia and their contribution to atheromatous disease in Hong Kong, including the underlying genetic causes of hypertension and inherited lipid disorders and the clinical pharmacology and pharmacogenetics of cardiovascular drugs and Chinese Herbal Medicines

Major research projects have included:

1. The study of the pathogenesis and treatment of hypertension
2. The clinical pharmacology of cardiovascular drugs using techniques of non-invasive measurement of cardiac output by impedance cardiography, continuous recording of finger blood pressure and power spectral analysis of heart rate and blood pressure data
3. Ethnic differences in pharmacokinetics and pharmacodynamics of drugs and activation and inhibition of drug metabolising enzymes and pharmacogenetics
4. Genetic defects of inherited lipid disorders and assessment of response to lipid-lowering drugs
5. Dyslipidaemia and the "metabolic syndrome" which involves identifying phenotypes and underlying genotypes and assessing the response to various treatments
6. Toxicity from herbal medicines and snakebite
7. Clinical trials at all phases and bioequivalence studies

B. Research Grants received in Hong Kong:

Major research grants:

Research Grants Council Earmarked Research Grants: 5 grants as Principal Investigator, 14 grants as Co-Investigator

Other Major Research Grants: 19 grants as Principal Investigator or Co-Investigator

Chinese University Medicine Panel Direct Grants: 19 grants as Principal Investigator or Co-Investigator

Other Grants: 6 grants as Principal Investigator or Co-Investigator

Pharmaceutical Company funded projects as Principal and Sole Clinical Investigator since 2005: Over 33 studies mainly as a Principal Investigator

Phase I Clinical Studies Performed: Over 11 Clinical Studies

C. Publications and Communications:

Author/co-author of over 400 full papers and over 100 other letters, chapters in books, conference proceedings or therapeutic reviews, over 500 other abstracts presented at meetings and I have delivered over 200 invited lectures.

D. Reviewer for journals, meeting abstracts and research grants:

Journals: Atherosclerosis, American Journal of Hypertension, British Journal of Clinical Pharmacology, British Journal of Nutrition, Clinical Drug Investigation, Clinical Therapeutics, Circulation, Current Opinions in Nutraceutical Research, Diabetes Care, Diabetes Research and Clinical Practice, Diabetologia, Drugs, Drug Safety, Future Rheumatology, Hong Kong Medical Journal, Hormone and Metabolic Research, International Journal of Cardiology, Journal of Clinical Pharmacology, Journal of the Hong Kong College of Cardiology, Lancet, Life Sciences - Pharmacology Letters, Mayo Clinic Proceedings, Medical Progress, Neuroscience Letters.

Referee for Abstracts for the Meeting of the International Society of Hypertension 1996, 1998, 2006.

Reviewer for Grant Applications:

The Hong Kong Research Grants Council

Hong Kong Baptist University Research Committee

The Agency for Science, Technology and Research's (A*STAR) Biomedical Research Council (BMRC) in Singapore

South African Medical Research Council.

E. Editorial Board: Clinical Therapeutics (to 2013), Current Topics in Nutraceutical Research, Journal of Hong Kong College of Cardiology, Current Pharmacogenomics and Personalized Medicine, Expert Opinion on Drug Metabolism & Toxicology. Associate Editor: Cardiovascular Therapeutics

UNIVERSITY COMMITTEE SERVICES AT CUHK: Service on over 11 Committees

SERVICES OUTSIDE THE UNIVERSITY:

1. **Medical Council of Hong Kong – Licensing Examination**
- **Expert Reports** - Reports on Multiple Cases
2. **Pharmacy and Poisons Board of Hong Kong**
3. **Asian-Pacific Society of Atherosclerosis & Vascular Diseases** - Council Member since February 1998.
Elected Secretary 2003. Elected President 2014 to 2018.

SERVICES TO THE INTERNATIONAL PROFESSIONAL COMMUNITY

A. Visiting Professor: Department of Cardiology, **The Chinese PLA Postgraduate Medical School** and Chinese PLA General Hospital, Beijing from 16 May 2002 onwards.

B. External Examiner/Assessor:

External Examiner for University of Malaya in Pharmacology, Phase II of integrated medical curriculum – appointed for 3 years from 2001. Attended for oral examinations in 2001 and 2003.

Appointed as External Assessor for University of Malaya for positions of Associate Professors and Professors in Pharmacology, September 2008 until 30.04.2011.

External Examiner for University of Malaya in Pharmacology, Phase II of integrated medical curriculum – appointed for 3 years from 2007. Attended for oral examinations in May 2009.

C. Invited speaker: Invited speaker at over 100 international and regional meetings since 2000

D. Conference organizer and Session Chairman: Organizer or Session Chairman at over 30 International Conferences since 2001.