

CURRICULUM VITAE

I. PERSONAL

Thomas A. Baillie
4775 NE 203rd St
Seattle, WA 98155

II. EDUCATION

1966-1970 University of Glasgow, Glasgow, Scotland; B.Sc. (1st Class Honors) Chemistry
1970-1973 University of Glasgow, Glasgow, Scotland; Ph.D. Organic Chemistry (Mentor: Professor Charles J. W. Brooks)
1978 University of London, London, England; M.Sc. Biochemistry
1992 University of Glasgow, Glasgow, Scotland; D.Sc. Chemistry

III. POSTDOCTORAL TRAINING

1973-1975 Department of Physiological Chemistry, Karolinska Institute, Stockholm, Sweden (Laboratory of Professor Jan Sjövall)

IV. EMPLOYMENT HISTORY

1975-1978 Lecturer in Analytical Chemistry, Department of Clinical Pharmacology, Royal Postgraduate Medical School, London, England
1978-1981 Assistant Research Chemist and Assistant Director, Biomedical Mass Spectrometry Resource, University of California Berkeley, Berkeley, CA
1979-1981 Assistant Professor of Pharmaceutical Chemistry in Residence, University of California San Francisco, San Francisco, CA
1981-1983 Assistant Professor of Medicinal Chemistry, School of Pharmacy, University of Washington, Seattle, WA
1983-1988 Associate Professor of Medicinal Chemistry, School of Pharmacy, University of Washington, Seattle, WA
1988-1989 Visiting Professor, Department of Clinical Pharmacology, Huddinge University Hospital, Stockholm, Sweden
1988-1994 Professor of Medicinal Chemistry, School of Pharmacy, University of Washington, Seattle, WA
1994-2008 Affiliate Professor of Medicinal Chemistry, School of Pharmacy, University of Washington, Seattle, WA
1994-1996 Executive Director, Preclinical Drug Metabolism, Merck Research Laboratories, West Point, PA
1996-2007 Vice President, Drug Metabolism, Merck Research Laboratories, West Point, PA
2007-2008 Vice President and Global Head, Drug Metabolism and Pharmacokinetics, Merck Research Laboratories, West Point, PA
2008-2014 Virginia and Prentice Bloedel Professor of Medicinal Chemistry, School of Pharmacy, University of Washington, Seattle, WA
2008-2014 Dean, School of Pharmacy, University of Washington, Seattle, WA
2011-2014 Chair, Board of Health Sciences Deans, University of Washington, Seattle, WA
2012-2014 Vice Provost, Strategic Initiatives, University of Washington, Seattle, WA

V. FEDERAL GRANT SUPPORT

Continuous funding (1981-1994) as Principal Investigator of National Institutes of Health R01 grants DK30699, GM32165 and ES05500.

P51 OD01425 Washington National Primate Research Center, T. A. Baillie PI, 2012-2013, Direct Costs for 5-year period \$9,737,673.

VI. THESES AND DISSERTATIONS DIRECTED

University of London

Roy Clare. M.Sc. in Analytical Chemistry, 1977.

Dissertation title: "Development of a Method for the Determination of the β -Andrenoceptor Stimulant Terbutaline in Body Fluids."

Helen Hughes. Ph.D. in Clinical Pharmacology, 1980.

Dissertation title: "The Synthesis and Metabolism of Clonidine and Structurally Related Imidazolines."

University of Washington

Yan (Louis) Leung. Ph.D. in Medicinal Chemistry, 1986.

Dissertation title: "Studies on the Biotransformation and Pharmacology of Ketamine and its Metabolites."

Susan Bjorge. Ph.D. in Medicinal Chemistry, 1988.

Dissertation title: "Metabolic Studies with the Antiepileptic Drug Valproic Acid."

Hope Barnes. Ph.D. in Medicinal Chemistry, 1991.

Dissertation title: "Stereochemical Studies on the Formation and Metabolic Fate of 2-n-Propyl-4-Pentenoic Acid, a Hepatotoxic Metabolite of the Antiepileptic Drug Valproic Acid."

Kanyin Zhang. Ph.D. in Medicinal Chemistry, 1992.

Dissertation title: "Metabolic Disposition of the Novel Antiepileptic Agent Stiripentol and Related Compounds."

Mark Grillo. Ph.D. in Medicinal Chemistry, 1993.

Dissertation title: "Mechanistic Studies on the Metabolic Activation of Valproic Acid."

Margaret Davis. Ph.D. in Medicinal Chemistry, 1994.

Dissertation title: "Applications of Ionspray Tandem Mass Spectrometry to Studies on the Biological Chemistry of Isocyanates."

Lixia Jin. Ph.D. in Medicinal Chemistry, 1996.

Dissertation title: "Application of Ionspray Tandem Mass Spectrometry to Mechanistic Studies on the Bioactivation of Xenobiotics."

Kathleen Schultz. Ph.D. in Medicinal Chemistry, 1997.

Dissertation title: "Glutathione Dependent Metabolism and Toxicity of Isocyanates."

Michelle Wahlin. Ph.D. in Medicinal Chemistry, 2014. (Jointly supervised with Sidney D. Nelson)
Dissertation title: "Defining the Relationship between the Bioactivation of Lapatinib by CYP3A and Lapatinib-Induced Hepatotoxicity."

VII. MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

Royal Society of Chemistry (Professional Qualifications FRSC, CChem, CSci)
American Chemical Society (Division of Chemical Toxicology, Executive Committee, 2000-2002 and 2013-2014; Nominating Committee, 2009-2010; Editor Search Committee for *Chemical Research in Toxicology*, 2012; Chair, Awards Committee, 2013-2014)
American Society for Mass Spectrometry (Secretary 1993-1995)
International Society for the Study of Xenobiotics (Councilor 1991-1993 and 2012-2015, Secretary Elect 1996-1997, Secretary 1998-1999, President Elect 2016-2017)
International Isotope Society (Trustee 1987-1990 and 1992-1994, President 1991, IIS Council Member 2005-2008)
PhRMA Drug Metabolism Technical Group, Member (1998-2000), Chair-Elect (2001), Chair (2002-2003), and Past Chair (2004-2005)
Society of Toxicology

VIII. EDITORIAL BOARD MEMBERSHIPS

Editor, *Chemico-Biological Interactions*, 1990-1997.
Editorial Advisory Board, *Modern Mass Spectrometry*, 1991-1998.
Editorial Board, *Rapid Communications in Mass Spectrometry*, 1986-1997.
Advisory Board, *Journal of Labelled Compounds and Radiopharmaceuticals*, 1987-2008.
Editorial Advisory Board, *Chemical Research in Toxicology*, 1990-1992, 1995-2001.
Editorial Advisory Board, *Biological Mass Spectrometry*, 1990-1994.
Editorial Advisory Board, *Life Sciences*, 1993-2001.
Editorial Advisory Board, *Drug Metabolism and Disposition*, 1994-present.
Editorial Advisory Board, *Mass Spectrometry Reviews*, 1994-1996.
Editorial Advisory Board, *Journal of Mass Spectrometry*, 1994-1997.
Editorial Advisory Board, *Drug Metabolism Reviews*, 2002-present.
Editorial Advisory Board, *Drug Discovery Today: Technologies*, 2008-present.

IX. HONORS AND AWARDS

Undergraduate (University of Glasgow): Merit Award in Physics, 1967. Merit Awards in Chemistry: 1967, 1968, 1969. B.Sc. with First Class Honors, 1970.

Postgraduate: Research Studentship from the Science Research Council, U.K., 1970-1973.

Postdoctoral: Royal Society Postdoctoral Fellowship, 1973-1975.

Co-Recipient of the "Best Paper Award" for an article published in *Drug Metabolism and Disposition*. American Society for Pharmacology and Experimental Therapeutics, 1986, 1993, and 2001.

Visiting Professor, Shanghai Second Medical College, People's Republic of China, October 1984.

LACDR Distinguished Lecturer, Leiden, The Netherlands, 1998.

Fogarty Senior International Fellowship, 1988-1989.

Graduate Students' Choice Lecturer, University of Illinois at Chicago, School of Pharmacy, 2003.

Lubomir S. Hnilica Toxicology & Biochemistry Student Lecturer, Vanderbilt University, 2009.

IIS Lifetime Achievement Award, International Isotope Society, 2009.

Elected Fellow, Japanese Society for the Study of Xenobiotics, 2010.

Elected Fellow, American Chemical Society, 2011.

Founder's Award, American Chemical Society Division of Chemical Toxicology, 2012.

North American Scientific Achievement Award, International Society for the Study of Xenobiotics, 2014.

X. PROFESSIONAL ACTIVITIES

Science Advisor, Food and Drug Administration, San Francisco Regional Laboratories, San Francisco, CA, 1980-1981.

Ad hoc Member, Biomedical Engineering and Technology Review Group, National Institutes of Health, 1984.

Special Reviewer, Metallobiochemistry Study Section, National Institutes of Health, 1985.

Ad hoc Member, Special Study Section, Division of Research Resources, National Institutes of Health, 1985-1987, 1990, 1993, 1995, 1998.

Member, Site Visit Teams, National Institute of Environmental Health Sciences and National Institute of Child Health and Human Development, 1986.

Member (1985-1987) and Chairman (1987-1989), Developmental Therapeutics Contracts Review Committee, National Cancer Institute, National Institutes of Health.

Ad hoc Member, Contracts Technical Review Group, National Cancer Institute, National Institutes of Health, 1988.

Research Grant Proposal Reviewer, Canadian Medical Research Council and British Columbia Health Care Research Foundation, 1986 – 1994.

Research Grant Proposal Reviewer, National Health and Medical Research Council of Australia, 1992.

Research Grant Proposal Reviewer, U.S. Department of Energy, 1987.

Research Grant Proposal Reviewer, National Science Foundation, 1990-1992.

Research Grant Proposal Reviewer, Hong Kong Research Grants Council, 1994.

External Examiner, Ph.D. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan, 1990.

External Examiner, Ph.D. Thesis, University of New South Wales, Sydney, Australia, 1992.

External Examiner, Ph.D. Thesis, Flinders University of South Australia, Bedford Park, Australia, 1993.

Consultant, Procter and Gamble Co., 1987-1994.

Consultant, Merck Sharp & Dohme Research Laboratories, 1993-1994.

Consultant, Battelle Pacific Northwest Laboratories, 1994.

Vice Chair (1993) and Chair (1994), Gordon Research Conference on Drug Metabolism, Plymouth, NH.

Ph.D. Thesis Opponent, Karolinska Institute, Stockholm, Sweden, September, 1997.

Member, Advisory Board for the Graduate School, Philadelphia College of Pharmacy & Science, 1997 - 1998.

Member, External Advisory Board, Southwest Environmental Health Sciences Center, University of Arizona, Tucson, AZ, 1996-2000.

Member, Drug Metabolism Technical Group, PhRMA, 1998-2005.

Member, Objective Review Committee, U.S. Food and Drug Administration, 1999.

Member, National Advisory Committee, University of California San Francisco Mass Spectrometry Facility, 1990-present.

Member, External Advisory Board, MIT Center for Environmental Health Sciences, Massachusetts Institute of Technology, 2003-2005.

Member, Scientific Advisory Board, Advion Biosciences, Inc., Ithaca, NY, 2001-2006.

Member, External Advisory Board, Biomedical Resource for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory, 2000-present.

Member, External Advisory Committee, Clinical & Translational Science Award (CTSA) and Institute for Translational Medicine & Therapeutics (ITMAT), University of Pennsylvania, 2006-present.

Member, International Advisory Board, 14th International Symposium on Microsomes and Drug Oxidations, Sapporo, Japan, July, 2002.

Member, Scientific Organizing Committee, 11th North American ISSX Meeting, Orlando, FL, October, 2002.

Visiting Professor, Peking Union Medical Center, Beijing, People's Republic of China, July, 2002.

Member, International Advisory Board, 15th International Symposium on Microsomes and Drug Oxidations, Mainz, Germany, July 2004.

Member, Corporate Advisory Board, University of Washington School of Pharmacy, 2002-2008.

Member, Scientific Program Committee, 7th International Symposium on Biological Reactive Intermediates

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Sync your system to PACER to automate legal marketing.