

CURRICULUM VITAE

JEFFREY K ARONSON

November 2012

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PERSONAL DETAILS

Date of birth:

Nationality:

Work address:

Oxford University Department of Primary Care Health Sciences
New Radcliffe House, Radcliffe Observatory Quarter,
Woodstock Road, Oxford OX2 6GG

GMC registration number:

Telephone (admin):

Fax:

E-mail (best method):

Web site:

http://www.primarycare.ox.ac.uk/dept_staff/jeffaronson

QUALIFICATIONS

MB ChB	Glasgow University, 1970
MRCP (UK)	1973
DPhil	Oxford University (Corpus Christi College), 1977 [Studies on the clinical pharmacology of cardiac glycosides]
MA	Oxford University, 1984
FRCP	Royal College of Physicians, 1985
FBPharmacols	British Pharmacological Society, 2004
FFPM (Hon)	Faculty of Pharmaceutical Medicine of the RCP, 2007

PRIZES AND AWARDS

University Distinction in Materia Medica (Glasgow University), 1967

First prize, annual Scottish Chest and Heart Association competition, 1968

Nuffield Bursary, Middlesex Hospital, August–December 1969

Paul Martini Prize, for the development of methods for evaluation in the fields of clinical pharmacology and therapeutics, 1980

Australasian Visitor, British Pharmacological Society, 1985

Smith, Kline and French Foundation Travelling Prize for Research in Clinical Pharmacology (awarded by the British Pharmacological Society), 1988

CURRENT APPOINTMENTS

Reader in Clinical Pharmacology, Oxford University, Department of Primary Health Care
Honorary Consultant in Clinical Pharmacology and Honorary Consultant Physician, Oxford University Hospitals NHS Trust

VISITING PROFESSORSHIPS

December 1991	University of Ceará, Brazil
November 1997	University of Kentucky, Louisville
November 2000	University of Colombo, Sri Lanka

PREVIOUS APPOINTMENTS

August 1970–January 1971	Junior Medical House Officer, Southern General Hospital, Glasgow
February 1971–July 1971	Junior Surgical House Officer, Victoria Infirmary, Glasgow
August 1971–April 1973	Senior Medical House Officer, Stobhill Hospital, Glasgow
May 1973–August 1973	Medical Registrar, Stobhill Hospital, Glasgow
September 1973–October 1980	Member of Scientific Staff, MRC Unit and University Department of Clinical Pharmacology, Radcliffe Infirmary, Oxford
September 1973–August 1977	Honorary Registrar in Clinical Pharmacology, Oxfordshire Health Authority
September 1977–October 1980	Honorary Senior Registrar in Clinical Pharmacology, Oxfordshire Health Authority
August 1979–October 1980	Senior Registrar in General Medicine, Oxfordshire Health Authority
November 1980–October 1984	Wellcome Lecturer and Consultant in Clinical Pharmacology, University of Oxford
November 1984–December 1993	Reader and Consultant in Clinical Pharmacology (Wellcome Lecturer), University of Oxford

EDITORIAL AND JOURNALISTIC ACTIVITIES

- Guest Editor, Clinical Medicine (RCP) issue on CME in Clinical Pharmacology, 2009
Editor-in-Chief, British Journal of Clinical Pharmacology, 2002–7
Guest Editor, BMJ special issue: “Balancing benefits and harms in health care”, 3 July 2004
Editor, British Journal of Clinical Pharmacology special issues: “Citation Classics in the British Journal of Clinical Pharmacology, 1974–2003”, December 2004 ; “Clinical Pharmacology: Past, Present, and Future”, June 2006 ; “Adverse Drug Reactions”, February 2007 ; “Medication Errors”, June 2009 ; “An Agenda for UK Clinical Pharmacology”, June 2012.
Member, Advisory Editorial Board, Oxford Today (editor Georgina Ferry), 2002–7
Co-editor-in-chief, Meyler's Side Effects of Drugs, 14th edition, 2000
Editor, Meyler's Side Effects of Drugs—The International Encyclopedia of Adverse Drug Reactions and Interactions, 15th edition (six-volume encyclopedia and website), 2006; 16th edition in preparation
Editor, Side Effects of Drugs Annuals, Volumes 15–34, 1991–2012; Volume 35, 2013, in preparation
Managing Editor, The European Journal of Clinical Pharmacology, 1985–93; Reviews Editor, 1994–2002
Chairman of the Committee of Management, Prescribers' Journal, 1994–6 (Vice-Chairman, 1992–4; Member 1990–6)
Member of the Editorial Advisory Panel, Prescribers' Journal, 1996–2000
Member of the Board of Management, Reuters Journalists' Fellowship Programme, 1992–2005
Member of the Editorial Boards of:
Clinical Science, 1984–8
The British Journal of Clinical Pharmacology, 1986–91, 2000–7

Archives Internationales de Pharmacodynamie et de Thérapie, 1976–96
The Wellness Letter, 1992–3
Adverse Drug Reactions Bulletin, 1996–
Cases Journal, 2008–10
Regular referee for numerous bioscience journals, including the BMJ, The Lancet, Drug Safety
Consultant on medical and pharmacological words, Collins English Dictionary, editions 6–10

OTHER ACTIVITIES (current and past)

National committees and learned societies

President Emeritus, British Pharmacological Society 2010– (President 2008–9; President-elect 2006–7); Trustee, Member of Council, and Member of the Executive Committee, 2002–9;
Member, Advisory Board of the British National Formulary, 2012–
Member, NIHR Journals Library Board, 2012–
Member, Advisory Board (RCP representative), NHS Evidence, 2010–12
Member, Task and Finish Working Group of the HE/Industry Forum of the Office for Life Sciences, 2009–10
Member, Advisory Board (RCP representative), National Patient Safety Agency, 2009–2010
Member, Board of 'Prescribe', Department of Health, e-Learning for Health, 2009–2010
Member of Technology Appraisal Committee, NICE, 2006–
Member, Joint Formulary Committee of the British National Formulary, 2006–2012
Chairman of the British Pharmacopoeia's Expert Advisory Group on Nomenclature, 2006– (member 1995–2006)
Member of the Health Technology Assessment's Commissioning Board, 2003–7
Member, Steering Group for the British National Formulary for Children, 2003–4; Paediatric Formulary Committee 2004–12
Vice Chairman, Medicines Commission, 2002–5 (Member 2001–5)
Chairman, Joint (CSM and Medicines Commission) Working Group on the Prescribing, Supply and Administration of Medicines (2002–4)
Member of the Wellcome Trust's History of Medicine Grants and Units Panel [from 1998 Grants Panel], 1993–2000 (Deputy Chairman 1996–2000); Chairman, quarterly review of the London History of Medicine Unit, 2000
Member of the Wellcome Trust's Medicine, Society, and History Committee (previously History of Medicine Committee), 1993–2000
Member of the Medical Research Council's Committee on Therapeutic Trials in AIDS and chairman of its Subgroup on New Therapeutic Agents, 1987–93

Oxford University

Associate Member, Department of Pharmacology, 2009–
Head of Department, University Department of Clinical Pharmacology, 1990–1, 2000–1
Fellow of Green College, 1984–2008 (Tutor for Admissions, 1986–8; Senior Tutor 1994–7)
Fellow of Green-Templeton College, 2008–
Visitor of the Museum for the History of Science, 2003–7
Member of the Division of Medical Sciences, 2000–
Member of the Management Committee of the Wellcome Unit for the History of Medicine, 2000–5
Member of the Committee for the History of Science, Medicine, and Technology, 2000–5
Honorary Associate Member, Wellcome Unit for the History of Medicine, 1998–
Member of the Board of the Faculty of Clinical Medicine 1997–2000

Curator of the Bodleian Library, 1995–9
Clinical representative on the core curriculum committee (preclinical), 1995–8, and its physiology and pharmacology subcommittee, 1998–2008
University representative on the liaison committee of the Oxford University SmithKline Beecham Centre for Applied Neuropsychobiology, 1990–9
Oxford University Assessor, 1989–90
Member of the Management Board for Library Services to the Faculty Board of Clinical Medicine, 1994–7
Member of the Libraries' Board, 1994–7
Member of the Applications Committee of the Faculty Board of Clinical Medicine, 1993–5
Member of the International Committee, 1992–9
Member of the Board of Management of the Astor Fund, 1992–2001
Member of the Committee for the Admission of Medical Students to the Oxford Medical School, 1985–8

Oxfordshire Health Authority/Oxford Radcliffe [now Oxford University] Hospitals (ORH/OUH) Trust

Regional SAC representative for Clinical Pharmacology and Therapeutics, 2000–
Deputy Chairman, Medicines Advisory Committee (previously Drug and Therapeutics Committee), ORH/OUH Trust, 1980–2001; Member, 2001–
Member of the ORH Trust's Technology Advisory Group, 2002–6
University representative on the Executive Board of the ORH Trust, 2001–2
Member of the ORH Trust's Discretionary Awards Committee, 1998–2001
Member of the Clinical Research Subcommittee of the Anglia and Oxford Regional Health Authority, 1995–9
Member of the Oxfordshire Health Authority's Medical Advisory Group, 1993–5
On-call physician, ORH Trust, 1992–2008
Member of the Central Oxford Research Ethics Committee (now OxREC), 1982–6 (Chairman 1984–6)

Meetings organized

Co-founder (with JC Ellory): Oxford Ion Transport Club (organizer 1989–92)
Organizer: Penicillin 50 Symposium, Oxford 1991
Organizer: James Black Meeting—Planning a 5-year agenda for UK clinical pharmacology, Oxford 2011
Organizer (with Giampaolo Velo): The Future of European Clinical Pharmacology and Therapeutics, Erice, June 2012

MEMBERSHIP & FELLOWSHIP OF ACADEMIC SOCIETIES

Fellow of the British Pharmacological Society, 2004– (Member 1977–2003), Member of the Committee of its Clinical Section, 1985–9; Trustee and Member of Council, 2002–9; President-elect, 2006–7; President 2008–9, President Emeritus 2010–
Member of the Medical Research Society, 1984–
Fellow of the Royal College of Physicians, 1985–
Member of the Association of Physicians of Great Britain and Ireland, 1988– (Senior Member 2007–)
Member of the Medical Society of London, 2002–
Honorary Fellow of the Faculty of Pharmaceutical Medicine, 2007–

TEACHING AND EXAMINATIONS

Undergraduate and postgraduate teaching activities include numerous lectures on drug therapy to clinical students, regular bedside/seminar teaching on drug therapy and clinical medicine to clinical students, regular drug therapy presentations ("Prescription of the Week") at the weekly Grand Round and Student Grand Round, and seminars and lectures on drug therapy for GPs, specialists, doctors in training, nurses, and pharmacists.

Internal examiner

First BM examinations 1994–6 (Chairman of Examiners, 1995–6); 2000–2

Frequent examiner of DM, DPhil, and MSc theses

External examiner/adviser

Programme and Module External Examiner, Pan-European MSc in Pharmacovigilance and Pharmacoepidemiology (Barcelona, Bordeaux, Hertfordshire, Rotterdam, Utrecht, Verona), 2011–

Appointments panel, Chair of Clinical Pharmacology, Lausanne, 2011

Clinical Pharmacology (MSc), Aberdeen, 2004–6

Pharmacology & Therapeutics (BMedSci), Sheffield, 1996

Clinical Pharmacology (MBChB), Sheffield, 1994–6

Pharmacology (MBBS), Cardiff, 1990–3

Pharmacology and Clinical Pharmacology & Therapeutics, London University (BSc and MBBS, various medical schools), 1983–92; 1998–2000

MD/PhD theses: Liverpool, 1987; Cambridge, 1990; Hong Kong, 1991; Leicester, 1993; Otago, NZ, 1995; QMUL, London, 2009)

LECTURES

Numerous invited national and international lectures, including the following named and plenary lectures:

SKF Prize Lecture (British Pharmacological Society), 1989: Blood and ions.

Lettsomian Lecture (Medical Society of London), 2003: John Oakley Lettsom and the introduction of digitalis into clinical practice at the end of the eighteenth century. *Trans Med Soc Lond* 2002-3; 119: 77-85. [PMID: 17184033]

Lord Cohen Lecture, Liverpool, 2006: The demedicalization of prescribing.

John Ash Lecture, Birmingham, 2006: "A direct contrary road"—medical disputation in John Ash's Birmingham

FitzPatrick Lecture, Royal College of Physicians, London, 2007: "Clinical pharmacology: a suitable case for treatment" https://admin.emea.acrobat.com/_a45839050/p74648562/

ASCEPT (Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists), Adelaide, 2007: Plenary lectures: "Classifying adverse drug reactions—from dichotomy to polytomy"; "Lessons from Vioxx: a regulatory approach to problematic drugs—joining the DoTS"

Gideon de Laine Lecture, Society of Apothecaries, London, 2008: "PoM to P: selling medicines to patients" *BMJ* 2009; 339: b5415. [PMID: 20008435]

EUFEPS (European Federation of Pharmaceutical Sciences), Verona, 2008: "The law of life. How do clinicians perceive and act on variability in drug response?"

Adverse Drug Reactions Monitoring Centre, Uppsala, 2008: "Aristotle's prior knowledge—the general approach to definition and its relevance to signal detection in drug safety"

ESPACOMP (European Society for Patient Adherence, Compliance, and Persistence), Bangor, 2009: "Adding PEP to prescribing—the definitive method"

President's Lecture (British Pharmacological Society), London, 2009 : "Clinical Pharmacology—Past, Present, and (YES) Future"

WorldPharma, Copenhagen 2010. Opening plenary lecture. "Found in translation. Human pharmacology and applied pharmacology come of age" <http://www.bps.ac.uk/SpringboardWebApp/userfiles/bps/file/Meetings/WPJaronsonFoundInTranslationLecture.pdf>.

Nobel Symposium, Karolinska Institute, 2010. "Sex, gender, and pharmacology. The UK and European experience" <http://www.informationsteknikstreaming.se/sli/101019>.

International Society of Pharmacovigilance, Istanbul, 2011. Plenary lecture: " 'Better than cure': assessing the preventability of adverse drug reactions"

International Society of Pharmacovigilance, Cancun, 2012. Plenary lecture: "The Law of Mass Action: Relevance to pharmacovigilance"

RESEARCH

Current research interests

Methods of classifying, detecting, and reporting adverse drug reactions, including systematic reviews, meta-analyses, and the use of anecdotal reports (including collaborations with Professor RE Ferner, Birmingham, Dr M Hauben, New York, and others)

Innovation in drug therapy (collaboration with Professor RE Ferner, University of Birmingham, and Professor DA Hughes, University of Bangor)

Monitoring therapy in chronic disease (collaboration with Professor Paul Glasziou, Department of Primary Health Care, Oxford, and others)

Philosophy of evidence-based medicine (collaboration with Dr Jeremy Howick and Professor Paul Glasziou, Department of Primary Health Care, Oxford)

Simple and cheap methods of medical management of toxicological problems in Sri Lanka (collaboration with HA de Silva and colleagues, University of Colombo, Sri Lanka)

Developing a toolkit for patient safety in general practice (collaboration with Professor Tony Avery, Nottingham, and others)

Research and thesis supervision

Numerous MD, DPhil, and MSc students, 1977–

Patent

Aronson J K, De Silva H A, Graham-Smith D G. US Patent No. 6,087,118. Method for diagnosing Alzheimer's disease.

PUBLICATIONS 1975–2012

Top ten cited articles (according to the Web of Knowledge; h index 32):

- 443: Edwards IR, Aronson JK. A diverse drug re actions—definitions, classification, diagnosis, management, surveillance. *Lancet* 2000; 356: 1255-60. [PMID: 11072960]
- 138: Willoughby PB, Aronson JK, Agback H, Bodin NO, Truelove SC. Distribution and metabolism in healthy volunteers of feldisodium azodisalicylate, a potential therapeutic agent for ulcerative colitis. *Gut* 1982; 23(12): 1081-7. [PMID: 7173720]
- 89: Aronson JK. Clinical pharmacokinetics of digoxin 1980. *Clin Pharmacokin* 1980; 5(2): 137-49. [PMID: 6988136]
- 77: Smith C C, Bennet P M, Pearce H M, Harrison PI, Reynolds D JM, Aronson JK, Grahame-Smith D G. Adverse drug reactions in a hospital general medical unit meriting notification to the Committee on Safety of Medicines. *Br J Clin Pharmacol* 1996; 42(4): 423-9. [PMID: 8904613]
- 68: Barkun JS, Aronson JK, Feldman LS, Maddern G J, Strasberg SM; Belloli Collaboration, Altman DG, Barkun JS, Blazeby JM, Boutron IC, Campbell WB, Clavien PA, Cook JA, Ergina PL, Flum DR, Glasziou P, Marshall JC, McCulloch P, Nicholl J, Reeves BC, Seiler CM, Meakins JL, Ashby D, Black N, Bunker J, Burton M, Campbell M, Chalkidou K, Chalmers I, de Leval M, Deeks J, Grant A, Gray M, Greenhalgh R, Jenicek M, Kehoe S, Lilford R, Littlejohns P, Loke Y, Madohock R, McPherson K, Rothwell P, Summerskill B, Taggart D, Tekkis P, Thompson M, Treasure T, Trohler U, Vandebroucke J. Evaluation and stages of surgical innovations. *Lancet* 2009; 374(9695): 1089-96. [PMID: 19782874]
- 68: Aronson JK, Ferner RE. Joining the DoTS. New approach to classifying adverse drug reactions. *BMJ* 2003; 327: 1222-5. [PMID: 14630763]
- 67: Aronson JK, Grahame-Smith DG, Hallis K F, Hibble AG, Wigley FM. Monitoring digoxin therapy: I. Plasma concentrations and an in vitro assay of tissue response. *Br J Clin Pharmacol* 1977; 4: 213-21. [PMID: 861136]
- 65: Aronson JK, Dengler HJ, Dettli L, Follath F. Standardization of symbols in clinical pharmacology. *Eur J Clin Pharmacol* 1988; 35: 1-7. [PMID: 3220089]
- 61: Ford AR, Aronson JK, Grahame-Smith DG, Carver JG. The acute changes seen in cardiac glycoside receptor sites, ⁸⁶rubidium uptake and intracellular sodium concentrations in the erythrocytes of patients during the early phases of digoxin therapy are not found during chronic therapy: pharmacological and therapeutic implications for chronic digoxin therapy. *Br J Clin Pharmacol* 1979; 8: 135-42. [PMID: 486290]
- 54: Nobel CSI, Aronson JK, Dobbelsteen DJ, Slater A FG. Inhibition of Na⁺/K⁺-ATPase may be one mechanism contributing to potassium efflux and cell shrinkage in CD95-induced apoptosis. *Apoptosis* 2000; 5: 153-63. [PMID: 11232243]

A Original papers and reports

1. Aronson JK, Grahame-Smith DG. Digoxin therapy: textbooks, theory and practice. *Br J Clin Pharmacol* 1976; 3(4): 639-48. [Correction in: *Br J Clin Pharmacol*. 1976 October; 3(5): i3.] [PMID: 22216507]
2. Aronson JK, Grahame-Smith DG. Altered distribution of digoxin in renal failure—a cause of digoxin toxicity? *Br J Clin Pharmacol* 1976; 3(6): 1045-51. [PMID: 22216528]
3. Aronson JK, Grahame-Smith DG, Hallis K F, Hibble AG, Wigley FM. Monitoring digoxin therapy: I. Plasma concentrations and an in vitro assay of tissue response. *Br J Clin Pharmacol* 1977; 4(2): 213-21. [PMID: 861136]
4. Aronson JK, Grahame-Smith DG. Monitoring digoxin therapy: II. Determinants of the apparent volume of distribution. *Br J Clin Pharmacol* 1977; 4(2): 223-7. [PMID: 861137]
5. Aronson JK. Monitoring digoxin therapy: III. How useful are the nomograms? *Br J Clin Pharmacol* 1978; 5(1): 55-64. [PMID: 619935]
6. Aronson JK, Grahame-Smith DG, Wigley FM. Monitoring digoxin therapy: the use of plasma digoxin concentration measurements in the diagnosis of digoxin toxicity. *Q J Med* 1978; 47(186): 111-12. [PMID: 684152]
7. Williams P, Aronson JK, Sleight P. Is a slow pulse rate a reliable sign of digitalis toxicity? *Lancet* 1978; 2(8104-5): 1340-2. [PMID: 82842]
8. Youdim MBH, Aronson JK, Blau K, Green AR, Grahame-Smith DG. Tranylcypromine ('Parnate') overdose: measurement of tranylcypromine concentrations and MAO inhibitory activity and identification of amphetamines in plasma. *Psychol Med* 1979; 9(2): 377-82. [PMID: 472083]
9. Ford AR, Aronson JK, Grahame-Smith DG, Rose JA. The characteristics of the binding of 12- α -³H-digoxin to the membranes of intact human erythrocytes. *Br J Clin Pharmacol* 1979; 8(2): 115-24. [PMID: 486288]

10. Ford A R, Aronson J K, Grahame-Smith DG, Carver J G. Changes in cardiac glycoside receptor sites, ⁸⁶rubidium uptake and intracellular sodium concentrations in the erythrocytes of patients receiving digoxin during the early phases of treatment of cardiac failure in regular rhythm and of atrial fibrillation. *Br J Clin Pharmacol* 1979; 8(2): 125-34. [PMID: 486289]
11. Ford AR, Aronson JK, Grahame-Smith DG, Carver J G. The acute changes seen in cardiac glycoside receptor sites, ⁸⁶rubidium uptake and intracellular sodium concentrations in the erythrocytes of patients during the early phases of digoxin therapy are not found during chronic therapy: pharmacological and therapeutic implications for chronic digoxin therapy. *Br J Clin Pharmacol* 1979; 8(2): 135-42. [PMID: 486290]
12. Aronson JK, Ford AR. The use of colour vision measurement in the diagnosis of digoxin toxicity. *Q J Med* 1980; 49(195): 273-82. [PMID: 6970370]
13. Green AR, Aronson JK, Curzon G, Woods HF. Metabolism of an oral tryptophan load. I: Effects of dose and pretreatment with tryptophan. *Br J Clin Pharmacol* 1980; 10(6): 603-10. [PMID: 6162471]
14. Green A R, Aronson J K, Curzon G, Woods H F. Metabolism of an oral tryptophan load. II: Effect of pretreatment with the putative pyrrolase inhibitors nicotinamide or allopurinol. *Br J Clin Pharmacol* 1980; 10(6): 611-15. [PMID: 6451235]
15. Green AR, Aronson JK. Metabolism of an oral tryptophan load. III: Effect of a pyridoxine supplement. *Br J Clin Pharmacol* 1980; 10(6): 617-19. [PMID: 7470373]
16. Aronson JK, Geaney D P, Grahame-Smith DG, Carver J G, Hallis K F. Lack of effect of phenytoin on functions related to Na^+/K^+ -ATPase activity in the intact erythrocytes of epileptic patients. *Br J Clin Pharmacol* 1981; 12(1): 79-81. [PMID: 6264938]
17. Azad Khan A K, Truelove S C, Aronson J K. The disposition and metabolism of sulphasalazine (salicylazosulphapyridine) in man. *Br J Clin Pharmacol* 1982; 13(4): 523-8. [PMID: 6121576]
18. Zannad F, Graham C W, Aronson JK. The effect of digoxin and dopamine on the oxygen consumption, lactate production and haemodynamic performance of an isolated, perfused, working guinea-pig heart. *Eur J Pharmacol* 1982; 81(2): 263-71. [PMID: 7117376]
19. Geaney DP, Carver JG, Aronson JK, Warlow C. Interaction of phenytoin with azapropazone. *Br Med J (Clin Res Ed)* 1982; 284(6326): 1373. [PMID: 6803981]
20. Willoughby PB, Aronson JK, Agback H, Bodin NO, Truelove SC. Distribution and metabolism in healthy volunteers of disodium azodisalicylate, a potential therapeutic agent for ulcerative colitis. *Gut* 1982; 23(12): 1081-7. [PMID: 7173720]
21. Geaney D P, Carver J G, Davies C L, Aronson J K. Pharmacokinetic investigation of the interaction of azapropazone with phenytoin. *Br J Clin Pharmacol* 1983; 15(6): 727-34. [PMID: 6871071]
22. Boon N A, Rose J A, Hallis K F, Jones J V, Manley B S, Aronson J K. Evidence that cation transport is reduced in one-kidney one clip hypertension. *J Hypertens Suppl* 1983; 1(2): 129-31.
23. Boon NA, Aronson JK, Hallis KF, White NJ, Raine AEG, Grahame-Smith DG. A method for the study of cation transport in vivo: effects of digoxin administration and of chronic renal failure on the disposition of an oral load of rubidium chloride. *Clin Sci (Lond)* 1984; 66(5): 569-74. [PMID: 6705481]
24. Aronson JK, Moore MP, Redman CWG, Harper C. Erythrocytic cation transport receptor numbers and activity in pregnancies complicated by essential hypertension and pre-eclampsia. *Br Med J (Clin Res Ed)* 1984; 288(6427): 1332-4. [PMID: 6424846]
25. Boon NA, Oh VMS, Taylor EA, Johansen T, Aronson JK, Grahame-Smith DG. Measurement of specific [³H]-ouabain binding to different types of human leucocytes. *Br J Clin Pharmacol* 1984; 18(2): 153-61. [PMID: 6487454]
26. Boon NA, Aronson JK, Hallis KF, Raine AEG, Grahame-Smith DG. An in vivo study of cation transport in essential hypertension. *J Hypertens Suppl* 1984; 2(3): S457-9. [PMID: 6100748]
27. Boon NA, Harper C, Aronson JK, Grahame-Smith DG. Cation transport functions in vitro in patients with untreated essential hypertension: a comparison of erythrocytes and leucocytes. *Clin Sci (Lond)* 1985; 68(5): 511-15. [PMID: 3979014]
28. Hallis K F, Boon N A, Perkins C M, Aronson JK, Grahame-Smith DG. A sensitive high-temperature electrothermal atomic absorption analysis of Rb^+ in erythrocytes and plasma of normal and hypertensive persons. *Clin Chem* 1985; 31(2): 274-6. [PMID: 3967362]
29. Green AR, Aronson JK, Cowen PJ. The pharmacokinetics of L-tryptophan following its intravenous and oral administration. *Br J Clin Pharmacol* 1985; 20(4): 317-21. [PMID: 4074600]
30. Boon NA, Aronson JK, Hallis KF, Grahame-Smith DG. Cation transport abnormalities in vivo in untreated essential hypertension. *Clin Sci (Lond)* 1986; 70(6): 611-16. [PMID: 3709067]
31. Boon NA, Pugh, SE, Hallis KF, Aronson JK, Grahame-Smith, DG. In vivo cation transport during short-term and long-term digoxin therapy. *Br J Clin Pharmacol* 1986; 22(1): 27-30. [PMID: 3741723]
32. Rapeport WG, Aronson JK, Grahame-Smith DG, Harper C. The effects of serum, lithium, ethacrynic acid, and a low extracellular concentration of potassium on specific [³H]-ouabain binding to human lymphocytes after incubation for 3 days. *Br J Clin Pharmacol* 1986; 22(3): 275-9. [PMID: 3768239]

33. Oh VMS, Taylor EA, Ding JL, Boon NA, Aronson JK, Grahame-Smith DG. Enhancement of specific ouabain binding and ouabain-sensitive ^{86}Rb uptake in intact human lymphocytes by a dialysable factor in human and fetal calf sera. *Clin Sci (Lond)* 1987; 72(1): 71-9. [PMID: 2879663]
34. Wood AJ, Viswalingam A, Glue P, Aronson JK, Grahame-Smith DG. Measurement of cation transport in vivo in healthy volunteers after the oral administration of lithium carbonate. *Clin Sci (Lond)* 1989; 76(4): 397-402. [PMID: 2540932]
35. Wood AJ, Aronson JK, Bunch C, Grahame-Smith DG. A study of the transport of lithium across the erythrocyte membrane in vivo and of the effects of the ion transport inhibitors digoxin and dipyridamole. *Br J Clin Pharmacol* 1989; 27(6): 749-56 [PMID: 2757891]
36. Pugh SE, White NJ, Aronson JK, Grahame-Smith DG, Bloomfield JG. Clinical, haemodynamic, and pharmacological effects of withdrawal and reintroduction of digoxin in patients with heart failure in sinus rhythm after long-term treatment. *Br Heart J* 1989; 61(6): 529-39. [PMID: 2503017]
37. Wood AJ, Elphick M, Aronson JK, Grahame-Smith DG. The measurement of transmembrane cation transport in vivo in acute manic illness. *Br J Psychiatry* 1989; 155: 501-4. [PMID: 2558772]
38. Wood AJ, Elphick M, Aronson JK, Grahame-Smith DG. The effect of lithium on cation transport measured in vivo in patients suffering from bipolar affective illness. *Br J Psychiatry* 1989; 155: 504-10. [PMID: 2558773]
39. Syme PD, Dixon RM, Allis JL, Aronson JK, Grahame-Smith DG, Radda GK. A non-invasive method of measuring concentrations of rubidium in rat skeletal muscle in vivo by ^{87}Rb nuclear magnetic resonance spectroscopy: implications for the measurement of cation transport activity in vivo. *Clin Sci (Lond)* 1990; 78(3): 303-9. [PMID: 2156650]
40. Wood AJ, Brearley CJ, Aronson JK, Grahame-Smith DG. The effect of oral salbutamol on cation transport measured in vivo in healthy volunteers. *Br J Clin Pharmacol* 1990; 30(3): 383-90. [PMID: 2171617]
41. Kennedy DG, Aronson JK, Bloomfield JG, Grahame-Smith DG. The effects of a low extracellular concentration of potassium on the activity and number of Na^+/K^+ pumps in an Epstein-Barr-virus-transformed human lymphocyte cell line. *Biochim Biophys Acta* 1990; 1027(3): 218-24. [PMID: 1975752]
42. Syme PD, Arnalda L, Green Y, Aronson JK, Grahame-Smith DG, Radda GK. Evidence for increased in vivo Na^+/H^+ antiport activity and altered skeletal muscle contractile response in the spontaneously hypertensive rat. *J Hypertens* 1990; 8(11): 1027-36. [PMID: 1963185]
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