

David W. A. Bourne
17 August 2017

Skaggs School of Pharmacy and Pharmaceutical Sciences
University of Colorado, Anschutz Medical Campus
Mail Stop C238, 12850 E. Montview Blvd. V20-4116
Aurora, CO 80045
(303) 724-6112 FAX: (303) 724-7266
david.bourne@ucdenver.edu

PRESENT POSITION: Associate Professor of Pharmacy, C/T

EDUCATION:

Diploma of Pharmacy, Victorian College of Pharmacy, 1967
B.Pharm., Victorian Institute of Colleges, 1971
M.S.(Honors), University of Kansas, 1973
Ph.D., University of Kansas - Victorian College of Pharmacy (Intersearch) 1974.
Thesis, "Acronycine esters as Pro-Drugs. Inhibition of Hydrolysis by
Complexation"

EXPERIENCE:

Professor Emeritus of Pharmaceutical Sciences, University of Oklahoma,
Oklahoma City, OK 2013-present
Associate Professor of Pharmacy, C/T, Skaggs School of Pharmacy and
Pharmaceutical Sciences, University of Colorado, June 2013-present
Member of the Center for Translational Pharmacokinetics and Pharmacogenomics,
Skaggs School of Pharmacy and Pharmaceutical Sciences, University of
Colorado, 2010 - present
Member of the Colorado Clinical & Translational Sciences Institute, University of
Colorado, 2013 - present
Professor, College of Pharmacy, University of Oklahoma, Oklahoma City, OK 1996
- May 2013
Adjoint Professor, Skaggs School of Pharmacy and Pharmaceutical Sciences,
University of Colorado, Aurora, CO 2012-2013
Adjunct Professor, College of Veterinary Medicine, Oklahoma State University,
Stillwater, OK 2004-2013
Special Member, Graduate Faculty, University of Colorado, Aurora, CO 2011-2012
Visiting Professor (Sabbatical), School of Pharmacy, University of Colorado,
Aurora, CO, Jul - Dec 2010
Associate Professor, College of Pharmacy, University of Oklahoma, Oklahoma
City, OK Mar 1987 - 1996
Consultant in Pharmacokinetics, United Nations Industrial Development
Organization, Taedok, Chung-Nam, Republic of Korea, Mar-Apr 1990, June-
July 1988

Senior Lecturer, Department of Pharmacy, Univ of Queensland, St Lucia, Qld, Australia 1983 - Mar 1987
Visiting Research Scholar, Department of Veterinary Biosciences, University of Illinois, Urbana, IL January - April 1986
Lecturer, Department of Pharmacy, University of Queensland, St Lucia, Qld, Australia, Sep 1980 - 1982
Assistant Professor, College of Pharmacy, Univ of Kentucky, Lexington, KY 1977 - Sep 1980
Postdoctoral Fellow, College of Pharmacy, Univ of Kentucky, Lexington, KY 1974 - 1977
Visiting Lecturer, College of Veterinary Med, Univ of Illinois, Urbana, IL, Jun - Jul 1976
Assistant Lecturer, Victorian College of Pharmacy, Melbourne, Vic, Australia 1973 - 1974
Research Assistant, University of Kansas, Lawrence, KS 1971 - 1973
Pharmacist, Retail Manager, Melbourne, Vic, Australia 1970
Pharmacist-in-charge, Australian First Field Hospital, Australian Army, Vung-Tau, South Vietnam (3 months) 1969

AWARDS:

Commonwealth (Tertiary Education) Scholarship, Victorian College of Pharmacy, Vic, Australia 1964 - 1966
Intersearch Scholarship, University of Kansas - Victorian College of Pharmacy, Vic, Australia 1971 - 1974
AAPS Presidential Citation, 1997
AAPS PPDM Service Award, 2006

JOURNAL ADVISORY BOARDS:

Editorial Advisory Board, Journal of Pharmaceutical Sciences 1990-1998
Board of Scientific Reviewers, American Journal of Veterinary Medicine 1994-1996

MEMBERSHIPS AND QUALIFICATIONS:

American Association of Pharmaceutical Scientists (since 1986)
American Association of Colleges of Pharmacy (since 1979)
Rho Chi (Alpha Xi chapter) (since 1979)
Registered Pharmacist, Victoria (1967-2005)
Royal Australian Chemical Institute (1975)
Australian Pharmaceutical Science Association (1980-87, 96)

CONSULTANT:

Ciba Geigy (Australia) 1980	Sandoz (Australia) 1982
Reckitts (Australia) 1982	U.S.V. Pharmaceuticals
Alphapharm 1983 - 86	(Australia) 1981 - 82
UNIDO 1988,90	TSI Mason Labs 1992
Krug Life Sciences/NASA 1992-98	BDRC 1992-94
Angelini Pharmaceuticals 1996-7	
NIH ad-hoc Review Committee, Pathology A Study Section 1999	

Impax Laboratories, CA 2001-2
Altus Pharmaceuticals, MA 2005
Hinkle Elkouri Law Firm, KS 2006
Cephalon, Brazil 2009-10
PLx Pharma, TX 2011-12

Federal Public Defender, OK 2004
Analytical Research Lab, OK 2006
Wiggins Sewell & Ogletree, 2006
Swaasth, OK 2010
Goodmans, Canada 2015

TEACHING EXPERIENCE:

Undergraduate: Biopharmaceutics, Pharmacokinetics, Pharmaceutical Analysis, Physical Pharmacy, Radiopharmaceutics, Clinical Pharmacokinetics

Post-graduate: Biopharmaceutics, Pharmacokinetics, Computer programming, Computer-aided Data Analysis, Drug Stability, Radiopharmaceutics

INTERNET EXPERIENCE:

Webmaster of <http://www.cpb.ouhsc.edu/> (Feb 1994-May 2013). Webmaster for AAPS home page (1995-1997) , Webmaster for OUHSC College of Pharmacy (1998-2001), AACP EBIR-SIG home page (1998-2002). Moderator for PharmPK LISTSERV (> 3500 members). Maintains pharmacokinetic/ pharmacodynamic resources at <http://www.pharmpk.com/>

Domains owned: boomer.org, pharmpk.com

Online course material at <http://www.boomer.org/c/p1/> "A First Course in Pharmacokinetics and Biopharmaceutics", <http://www.boomer.org/c/p2/> "Pharmacokinetics – Biopharmaceutics", <http://www.boomer.org/c/p3/> "PHAR 7632/7633 Pharmacokinetics and Biopharmaceutics" , <http://www.boomer.org/c/p4/> "PHAR 7633 Basic Pharmacokinetics" and <http://www.boomer.org/c/m/> "PHAR 7112 Pharmacy Math".

POST GRADUATE STUDENTS:

M. Hayashi	Post Doctoral 1978-79	S.R. Gautam	Ph.D. 1979-1982
C. Tovey	M.Pharm. 1982-1984	V.H. Guerrini	Ph.D. 1982-1985
Z.B. Ismail	M.Pharm. 1983-1985	K.I. Kwon	Ph.D. 1982-1986
A.B. Awaluddin	Ph.D. 1983-1986	L. Hakim	Ph.D. 1985-1988
P. Chen	M.S. 1988-1989	Y-J Lee	Ph.D. 1989-1994
P. Chen	Ph.D. 1990-1994	B. Koneru	Ph.D. 1991-1995
S.R. Vanapalli	Ph.D. 1997-2001	S.R.P. Kambhampati	Ph.D. 1997- 2001
R.P. Pradhan	M.S. 2000-2003	Ying-Hao (Hero) Lu (co-advisor)	M.S. 2003-2005

PATENTS:

Higuchi, T., Repta, A.J., and Bourne, D.W.A. 1976 Acronycine Derivatives. U.S. Patent 3,943,137

Committee Appointments at the University of Colorado

School of Pharmacy

Information Technology - Member 2013, 14, 15, 16, 17

Awards and Scholarship - Member 2016, 17

Strategic Initiative subCommittee - Member 2016

Ad hoc Curriculum Accreditation - Member 2013, 14

Anschutz Campus Committees

Ad hoc Student Review, Graduate School - Member 2013, 14

Committee Appointments at the University of Oklahoma

College of Pharmacy

Academic Appeals Board - Member 2011, 12, 13

Tenure Committee - Member 1993, 94, 95, 96, 97, 98, 99, 2000, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13

Outcomes Assessment Committee - Member 2011, 12

Ad hoc Pharmaceutical Sciences Pharmaceutics Graduate Course Review Committee - Chair 2011

Curriculum Committee - Member 1995, 96, 97, 2003, 07, 08, 09, 10, 11

Executive Council - Department Representative 2009, 10

Ad hoc Pharmaceutical Sciences Graduate Program Core Curriculum Development Committee - Member 2009, 10

Pharmaceutical Science Faculty Search Committee - Member 2009

Pharmaceutics Faculty Search Committee - Member 2009

Ad Hoc Committee Stream Assessment, Decision Making and Problem Solving - Member 2009

OAC Drug Therapy Assessment (Team 2) - Member 2009

Integrated Assessment Ad Hoc Committee (Spring-P1) - Member 2009

Integrated Assessment Ad Hoc Committee (Fall-P1) - Member 2008, 09

Ad Hoc Committee to Define Outcomes and Assessment Strategies - Member 2009

Ad hoc Committee to Review Poison Control Center member 2004, 05, 06, 07, 08

College Computer Utilization Committee - Chairman 1988, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 2000, Member 2004 Chair 2005, Member 06, 07

Continuing Education Committee - Member 1996, 97, 98, 2003, 04, 05

College Alternate Delegate to AACP 2004, 05

College ACPE Self-Study Team, Standards for Students – Member 2005

College ACPE Self-Study Team, Standards for Financial Resources – Member 2005

Faculty Task Force for Extension of the OU Doctor of Pharmacy Program to Tulsa – Member 2001,02

Faculty Search Committee - Member - 1990, 91, 97, 98, 99, 2000, 01, 02

Self-study Committee - Member 1998, 99
 Search Committee for Dean, College of Pharmacy - Member - 1996, 97
 Pharm. D. Committee - Member 1992, 93, 94, 95
 Professional Practice Plan - Member 1990, Chairman 1991, 92, Member 1993
 Seminar Sub Committee of the College Centennial Committee - Member 1993
 Self-study Faculty and Professional Staff and Support Staff Committee - Member 1990, 91
 Self-study University Organization and Support Committee - Member 1990, 91
 Self-study Research and Graduate Committee - Member 1990, 91
 Graduate Affairs Committee - Member 1988, 89
 PHSC Graduate Faculty Review Committee - Member 1988, 89
 Equipment Committee - Member 1988, 89
 Educational Policy, Planning, and Implementation Committee (Curriculum Committee) – Member 2001, 02
 Department Graduate Affairs Committee – Member 2000, 2001
 Department Strategic Planning Committee – Chairman 2001, 02
 Pharmaceutics Faculty Search Committee – Chairman - 2000, 01
 Ad hoc Faculty By-laws Committee – Member 2002, 03
 Mosier Scholar Selection Committee – Member 2003
 Ad hoc sub Committee of the Curriculum Committee to Review the DDS 1 Course – member 2003
 College Delegate to AACP 2003, 04
 Ad hoc sub Committee of the Curriculum Committee to Review the Infectious Disease Module – member 2003
 Ad hoc Committee to Explore College – Yamanouchi Pharma Interaction member 2004
 Curriculum Committee - Sub Committee - Member 1994

University Committees

OUHSC Information Technology Advisory Committee – Member 2002, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13
 OUHSC Campus Website Development Committee - Member 2009
 OUHSC Faculty Senate - Alternate 1998, 99, 2009
 OUHSC Graduate College Graduate Faculty Appointments Committee – Member 2001, 02, 03, 04, 05, 06, 07
 OUHSC Task Force Concerning Online and Distance Education – Member 2005
 OUHSC Virtual Study Section – Member 2002, 03
 OUHSC Provost Task Force on Distance Education – Member 2001, 02
 OUHSC Institutional Animal Care and Use Committee - Member 1988, 89, 90, 91, 95, 96, 97, 98, 99, 2000, 01
 OUHSC Faculty Appeals Committee - Member 1993, 94, 95, 96, 97, 98, 99, 2000
 OUHSC IT Security Review Taskforce - Member 1999, 2000
 OUHSC Academic Affairs, Technology in Teaching Committee - Member 1998, 99
 OUHSC Academic Affairs, eMail Review Committee - Member 1998, 99
 OUHSC Computer Advisory Committee - Member 1989, 90, 91, Chairman 1992, 93, Member 1994, 95, 96, 97, 98, 2002

OUHSC Web Focus Group - Member 1998
OUHSC Web Interview Team - Member 1997
OUHSC OU HSC Computer Advisory Committee, ad hoc Committee to Prepare R&E Mission Statement - Member 1996
OUHSC Graduate Student Affairs - Member 1993, 1994, Chairman 1995
OU Norman Computer Advisory Committee - Member 1990, 91, 92, 93, 94
Search Committee for R & E Associate Director - Member 1990, 91, 94
Faculty Senate Committee on Committees - Member 1988, 89, 90, 91, 92, 93
University Task Force on Computing, Telecommunications, and Library - Member 1992
OUHSC IACUC Sub-committee for Facility Inspection - Chairman 1990, 91
OUHSC Faculty Senate - Member 1988, 89, 90, 91
OUHSC Graduate College Program Evaluation Committee - Member 1988, 89, 90, Chairman 1991
OUHSC Computer Advisory Committee, ad hoc Committee to Select Mainframe Computer Replacement for OU HSC Campus - Chairman 1990, 91
OUHSC ad-hoc Committee to Review Copyright Policy Proposal - Co-Chair 1989, 90
OUHSC Computer Advisory Committee, ad hoc Committee to Review Computer Policy - Member 1989, 90
Faculty Senate Committee for Research and Scientific Affairs - Member 1988, 89, 90

National Appointments

AAPS Distance Learning Committee – Member 2005, 06, 07, 08
AACP EBIR SIG Webmaster 1998, 99, 2000, 01, 02, 03, 04, 05
AACP TOPS Webmaster 2000, 01, 02, 03, 04, 05
AACP Teacher of Pharmaceutics Section (TOPS) Chair-elect 2001, 02
AACP Teacher of Pharmaceutics Section (TOPS) Chair 2002, 03
AACP Teacher of Pharmaceutics Section (TOPS) Immediate Past Chair 2003, 04
AAPS PPDM Section Webmaster 2000, 01, 02, 03, 04, 05
AAPS Finance Committee – Member 2003, 04, 05
AAPS Distance Learning Program Review Team (PRT) Member 2004, 05
AAPS Webmaster 1995, 96, 97
AAPS Information Management Committee - Member 1995, 96, 97
AAPS Task-Force on On-Line Services - Chairman 1995, 96, 97

GRANTS AND CONTRACTS

1977

Bourne, D.W.A. "Physico-chemical Factors affecting the Oral Absorption of Cromolyn Sodium" University of Kentucky Research Foundation, \$1,350 April

Dittert, L.W. and Bourne, D.W.A. "Studies for Rapid and Economical Detection of Drug Residues in Tissues of Food Producing Animals" Food and Drug Administration, \$22,000 June

Bourne, D.W.A. and Dittert, L.W. "Swine as an Animal Model for Oral Bioavailability Testing" Food and Drug Administration, \$109,676 September

Triplett, J.W. and Bourne, D.W.A. "Major Research Equipment Fund" University of Kentucky, \$10,172 October

1978

Bourne, D.W.A. "Physico-chemical Factors affecting the Oral Absorption of Cromolyn Sodium" University of Kentucky Research Foundation, \$500 November

Bourne, D.W.A. "Antibiotic Drugs in Food Producing Animals" Food and Drug Administration, \$10,000 December

1979

Bourne, D.W.A. "Swine as an Animal Model for Oral Bioavailability Testing" Food and Drug Administration \$126,760 March

Hurley, L.H., Hussain, A., Kostenbauder, H.B., Bourne, D.W.A. et al "Biomedical Research Development Grant" DHEW NIH \$299,938 May

Triplett, J.W., Kim, E.E. and Bourne, D.W.A. "Basic Formulation Development and Clinical Studies with cis-Dichlorodiammine Platinum (II)" Kircher Clinical Research Fellowship, \$15,000 May

Triplett, J.W. and Bourne, D.W.A. "Major Equipment Fund" University of Kentucky \$19,271 October

Digenis, G.A., Bourne, D.W.A. et al "Disposition of ¹⁸F-Haloperidol and ⁸²Br-Bromperidol" DHEW NIH \$41,556 December

1980

Triplett, J.W. and Bourne, D.W.A. "Alteration of Gallium-67 Distribution Induced by Carrier Gallium" University of Kentucky Research Foundation \$4,780 January

1981

Triggs, E.J. and Bourne, D.W.A. Bioavailability Testing of a USV β -Blocker Tablet. USV Pharmaceuticals. \$15,000 August

Triggs, E.J., Brophy, T.R.O. and Bourne, D.W.A. Clinical Pharmacology of Some Narcotic Analgesics in Cancer Pain. Queensland Cancer Fund. \$12,812 November

Triggs, E.J., Brophy, T.R.O., and Bourne, D.W.A. Clinical Pharmacology of Some Narcotic Analgesics in Cancer Pain. University of Queensland Cancer Fund. \$2,000 December

1982

Bourne, D.W.A. Pharmacokinetics of Sulphadiazine in Swine and Sheep. Central Computing Time Grant, Prentice Computer Centre, University of Queensland. \$1,000 March

Bourne, D.W.A. Pharmacokinetics of Sulphadiazine in Swine and Sheep. Central Computing Time Grant, Prentice Computing Centre, University of Queensland. \$1,500 June

Triggs, E.J. and Bourne, D.W.A. Bioavailability Testing of a USV Sedative Tablet. USV Pharmaceuticals. \$6,500 April

Triggs, E.J. and Bourne, D.W.A. Dissolution Testing of a USV β -Blocker Tablet. USV Pharmaceuticals. \$3,000 June

Triggs, E.J. and Bourne, D.W.A. Single Dose and Steady State Bioavailability Comparison of a Diuretic in Healthy Volunteers. Reckitts Pty Ltd. \$12,000 July

Triggs, E.J., Brophy, T.R.O., and Bourne, D.W.A. Clinical Pharmacology of Some Narcotic Analgesics in Cancer Pain. Queensland Cancer Fund. \$12,802 November

Triggs, E.J., Bourne, D.W.A., and Eadie, M.J. Pharmacokinetics of Midazolam in the Aged. National Health and Medical Research Council. \$27,380 November

Triggs, E.J., Brophy, T.R.O., and Bourne, D.W.A. Clinical Pharmacology of some narcotic analgesics for pain relief in patients with cancer. University of Queensland Cancer Fund. \$4,872 December

1983

Bourne, D.W.A. Pharmacokinetics of radiopharmaceuticals. Central Computing Time Grant, Prentice Computer Centre, University of Queensland. \$400 June

Triggs, E.J., Bourne, D.W.A., and Eadie, M.J. Pharmacokinetics of Midazolam in the Aged. National Health and Medical Research Council. \$30,799 October

Triggs, E.J. and Bourne, D.W.A. Bioavailability Testing of an Alphapharm Non-steroidal Anti-inflammatory agent Tablet. Alphapharm Pty Ltd. \$9,000 December

1984

Triggs, E.J. and Bourne, D.W.A. Bioavailability Testing of an Alphapharm Non-steroidal Anti-inflammatory agent Capsule. Alphapharm Pty Ltd. \$9,000 February

Bourne, D.W.A. and Jacobs, J.J. Tumour Imaging with Novel Platinum Technetium Radiopharmaceuticals. The Australian Institute of Nuclear Science and Engineering. \$5,000 December

1985

Triggs, E.J. and Bourne, D.W.A. Single Dose Comparison of a Diuretic tablet combination in Healthy Volunteers. Alphapharm Pty Ltd. \$25,000 March

Triggs, E.J. and Bourne, D.W.A. Bioavailability Testing of an Alphapharm β -Blocker Tablet. Alphapharm Pty Ltd. \$12,000 November

Bourne, D.W.A. and Jacobs, J.J. Tumour Imaging with Novel Platinum Technetium Radiopharmaceuticals. The Australian Institute of Nuclear Science and Engineering. \$3,500 December

1986

Bourne, D.W.A. Pharmacokinetics of Drug Interactions. Special Project Grant. University of Queensland. \$6,425 January

Triggs, E.J. and Bourne, D.W.A. Assay Validation for an Alphapharm Diuretic Product. Alphapharm Pty Ltd. \$5,000 August

Jacobs, J.J. and Bourne, D.W.A. Tumour Imaging with Novel Platinum Technetium Radiopharmaceuticals. Queensland Pharmaceutical Research Trust \$4,000 September

Bourne, D.W.A. and Jacobs, J.J. Tumour Imaging with Novel Platinum Technetium Radiopharmaceuticals. The Australian Institute of Nuclear Science and Engineering. \$4,500 December

1987

Bourne, D.W.A. Pharmacokinetic Software Development. University of Illinois, Department of Veterinary Biosciences. \$300 July

Bourne, D.W.A. Modeling of Drug Residues in Food-Producing Animals. Presbyterian Health Foundation \$14,679 October

1988

Bourne, D.W.A. Modeling of Food Residue Data in Laboratory Animals. Postdoctoral Fellowship Requests, OU HSC. \$3,000 July

Allen, L.V., Bourne, D.W.A., and Tu, Y.-H. Pharmacokinetics of a New Controlled Release Sympathomimetic Dosage Form in the Dog, R.P. Scherer Corporation \$9,000 November

1989

Hampton, E.M., Pederson, J.A., Pennington, L.R., Smith, C.L. and Bourne, D.W.A. Effect of diltiazem on cyclosporine immunotherapy. Presbyterian Health Foundation \$19,690 November

1990

Bourne, D.W.A. Support of Pharmaceutics Graduate Program. SmithKline Beecham \$12,500 March

Hampton, E.M. and Bourne, D.W.A. HyperKIN: An Interactive CAI Program in Applied Pharmacokinetics, Apple Computer's Higher Education Academic Development Donation \$16,684 June

1992

Bourne, D.W.A. Pharmacokinetic Modeling Project, KRUG Life Sciences, \$5,000 January

Bourne, D.W.A. Physiologically-Based Pharmacokinetic Models, KRUG Life Sciences, \$24,473 December

1993

Bourne, D.W.A. Simulation of Pharmacokinetic Models using HyperCard®, OU HSC Summer Academy, \$500 February

Putch, L. and Bourne, D.W.A. Pharmacokinetic Models for Assessing the Effect of Weightlessness on Drug Pharmacodynamics, NASA RTOPG, \$55,480 December

Bourne, D.W.A. Physiologically-Based Pharmacokinetic Models, KRUG Life Sciences, \$20,000 December

1994

Bourne, D.W.A. Emulsion Drug Formulations for Improved Oral Administration, OCAST, \$52,542 June

Basmadjian, G.P., Mills, S.L., Seale, T.W., and Bourne, D.W.A. Vaccine Producing Catalytic Antibodies against Cocaine, NIH, \$217,194 (first year) September

Bourne, D.W.A. Physiologically-Based Pharmacokinetic Models, KRUG Life Sciences, \$15,000 December

1995

Bourne, D.W.A. Physiologically-Based Pharmacokinetic Models, KRUG Life Sciences, \$19,000 December

Mandsager, R.E., Whitely, J.R., Clarke, C.R., and Bourne, D.W.A. Computer-Based Fuzzy Monitoring of Infusion Anesthesia, NIH, \$ 44,381 June

Bourne, D.W.A. Delivering Pharmacy Education on the Information Super Highway, AACP-GAPS, \$26,477 July

Basmadjian, G.P., Mills, S.L., Seale, T.W., and Bourne, D.W.A. Vaccine Producing Catalytic Antibodies against Cocaine, NIH, \$214,000 (second year) September

1996

Mandsager, R.E., Whitely, J.R., Clarke, C.R., and Bourne, D.W.A. Computer-Based Fuzzy Monitoring of Infusion Anesthesia, NIH, \$ 44,381 (second year) June

Bourne, D.W.A. Provision of PK/Biopharm Education Services, College of Pharmacy, Univ of New Mexico, \$300 August

Basmadjian, G.P., Mills, S.L., Seale, T.W., and Bourne, D.W.A. Vaccine Producing Catalytic Antibodies against Cocaine, NIH, \$230,056 (third year) September

Bourne, D.W.A. Physiologically-Based Pharmacokinetic Models, KRUG Life Sciences, \$7,000 December

Bourne, D.W.A. Development of Java applets for WWW Delivery, School of Pharmacy, UCSF, \$2,000 December

1997

Bourne, D.W.A. Provision of PK/Biopharm Education Services, College of Pharmacy, Univ of New Mexico, \$300 August

1998

Bourne, D.W.A. Resource Facility for Population Kinetics, Consultant, University of Washington (NIH), \$4,000 Mar

Bourne, D.W.A.. Provision of WWW Services for EBIR SIG of AACP, \$14,850 Apr

Bourne, D.W.A. Bioavailability of PMZ Project and Assessment of Sleep Dynamics, Wyle Laboratories, \$5,000 June

1999

Bourne, D.W.A. Resource Facility for Population Kinetics, Consultant, University of Washington (NIH), \$4,000 Mar

Bourne, D.W.A.. Provision of WWW Services for EBIR SIG of AACP, \$15,000 Feb

2000

Bourne, D.W.A. Resource Facility for Population Kinetics, Consultant, University of Washington (NIH), \$4,000 Mar

Bourne, D.W.A.. Provision of WWW Services for EBIR SIG of AACP, \$6,000 Jun

2001

Bourne, D.W.A. Analysis of plasma samples by HPLC, V.A. Hospital, OKC., \$4,000 Mar

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, MUSC, \$900 Jul

2002

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU \$2,100 Aug

Bourne, D.W.A. Provision of PK Course on CD, UK, \$500 Mar

Bourne, D.W.A. Provision of PK Course on CD, various \$920 Dec

2003

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$2,400 Nov

Bourne, D.W.A. Provision of PK/Biopharm Workshops for IBC \$7,200 Dec

Bourne, D.W.A. Provision of PK Course on CD, various \$730 Dec

2004

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$7,500 Oct

Bourne, D.W.A. Provision of PK Course on CD, various \$580 Dec

2005

Bourne, D.W.A. Provision of Pharmacy Math problem sets via Online Web Access, WU, \$900 Feb

Bourne, D.W.A. Provision of Video over IP/Web based Pharmacokinetic course \$10,000 Apr

Bourne, D.W.A. Provision of PK Course on CD, various \$500 Dec

2006

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$6,300 Feb

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$4,344 Nov

Bourne, D.W.A. Provision of PK Course by Distance Learning, \$500 Nov

Bourne, D.W.A. Provision of PK Course on CD, various \$420 Dec

2007

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$4,200 Sep

Bourne, D.W.A. Provision of PK Course on CD, various \$380 Dec

2008

Bourne, D.W.A. Nanoparticles for Targeted Drug Delivery, OU College of Pharmacy Seed Grant Program, \$9,126, Jul

Dormer, K., Grady, B., Kopke, R., Rutel, I. and Bourne, D.W.A. Targeted Delivery of Therapeutics Nanocomposites, OCAST-OARS, \$44,664 (match \$44,791) first year, \$89,664 (match \$90,211) total, Aug

Kopke, R., Dormer, K., Bourne, D.W.A., Chen, K., Floyd, R., and Gao, X. Multifunctional Nanoparticles for Targeted Therapy, NIDCD R21, \$173,891 Direct Costs, Aug

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU, \$4,090 Aug

Bourne, D.W.A. Provision of PK Course on CD, various \$655 Dec

2009

Towner, R., Floyd, Smith, Doblas, S., Watanabe, Y., Gordon, B., Ritchey, J., Snider, T., Pope, C., Bourne, D.W.A., Maples, K. and Jensen, R. Pre-clinical Investigation of Nitron Anti-Glioma Agent, OCAST-OARS, \$3,870 first year, Aug

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU \$2,760 Aug

Dormer, K., Grady, B., Kopke, R., Rutel, I. and Bourne, D.W.A. Targeted Delivery of Therapeutics Nanocomposites, OCAST-OARS, second year, \$89,664 (match \$90,211) total, Aug

Kopke, R., Dormer, K., Bourne, D.W.A., Chen, K., Floyd, R., and Gao, X. Multifunctional Nanoparticles for Targeted Therapy, NIDCD R21, \$173,891 Direct Costs, Aug

Bourne, D.W.A. Provision of PK Course on CD, various \$455 Dec

2010

Dormer, K., Grady, B., Kopke, R., Rutel, I. and Bourne, D.W.A. Targeted Delivery of Therapeutics Nanocomposites, OCAST-OARS, Unfunded twelve month extension, Feb

Bourne, D.W.A. Provision of PK Course on CD, various \$180 Apr

Bourne, D.W.A. Provision of Summer School Instruction by Distance Learning, XU \$3,400 Aug

2011

Bourne, D.W.A. Provision of PK Course on CD

2012

Bourne, D.W.A. Provision of PK Course on CD

Bourne, D.W.A. Co-investigator, 1U01FD004719-01, P.I. Kompella, U.B. Effect of physicochemical properties of ophthalmic formulations on ocular bioavailability, FDA 09/15/2012 - 09/30/2014

2013

Bourne, D.W.A. Co-investigator, 1U01FD004929-01, P.I. Kompella, U.B. In vitro-In vivo Correlations of Ocular Implants, FDA 09/15/2013 - 09/14/2014

2014

Bourne, D.W.A. Co-investigator, 1U01FD004929-01, P.I. Kompella, U.B. In vitro-In vivo Correlations of Ocular Implants, FDA 09/15/2013 - 09/14/2014

2015

Bourne, D.W.A. Co-investigator, 1U01FD004929-01, P.I. Kompella, U.B. In vitro-In vivo Correlations of Ocular Implants, FDA 09/15/2013 - 09/14/2014, Unfunded twelve month extension

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado State Board of Health, 1 Oct 2015 - 30 Sep 2018

2016

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado State Board of Health, 1 Oct 2015 - 30 Sep 2018

2017

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado State Board of Health, 1 Oct 2015 - 30 Sep 2018

Bourne, D.W.A. Co-investigator, P.I. Wymore, E., Duration of Marijuana Concentration in Breast Milk, 1 Apr 2017 - 30 Jun 2019

ABSTRACTS and PRESENTATIONS

(since 1995)

- Bourne, D.W.A.** 1995 Pharmacy/Medical Resources on the Information Superhighway, Continuing Education for Pharmacists, University of Oklahoma, College of Pharmacy, Oklahoma City, OK, Mar 5th
- Bourne, D.W.A., Putcha, L., and Koneru, B.** 1995 PK/PD Modeling of Scopolamine Data after I.V. and I.N. Administration, 28th Annual Higuchi Research Seminar, Lake Ozark, MO 13th Mar
- Bourne, D.W.A.** 1995 Pharmacy and the Internet, 28th Annual Higuchi Research Seminar, Lake Ozark, MO 14th Mar
- Bourne, D.W.A.** 1995 Emulsion Drug Formulations, Eight Annual Oklahoma Health Research Conference, University of Oklahoma, Oklahoma City, OK, Mar 23rd
- Bourne, D.W.A.** 1995 Pharmacy/Medical Resources on the Information Superhighway, Continuing Education for Pharmacists, University of Oklahoma, College of Pharmacy, Tulsa, OK, May 7th
- Bourne, D.W.A.** Pharmacy and the Internet, Teacher's Seminar, Workshop Leader - Two presentations, American Association of College of Pharmacy, 96th Annual Meeting, Philadelphia, PA, July 8th
- Bourne, D.W.A.** 1995 Invited speaker - Section on Libraries/Educational Resources, Developing and Maintaining WWW Pages for Publication on the Internet, American Association of College of Pharmacy, 96th Annual Meeting, Philadelphia, PA, July 9th
- Bourne, D.W.A.** 1995 Invited speaker - Section on Teachers of Biological Science, A Trek through Cyberspace, American Association of College of Pharmacy, 96th Annual Meeting, Philadelphia, PA, July 12th
- Polikandritou, M., Bourne, D., and Abbas, S.A.** 1995 A New HPLC Analysis of Amphotericin B Using an Internal Standard, American Association of Pharmaceutical Scientists Annual Meeting, Miami Beach, FL, November 8th
- Polikandritou, M., Gengler, C., Abbas, S.A., and Bourne, D.,** 1995 Comparative Studies of the Distribution of Positive and Negative Lipid-Amphotericin B Complexes in the Lungs after Aerosolization, American Association of Pharmaceutical Scientists Annual Meeting, Miami Beach, FL, November 9th
- Lee, Y.J., and Bourne, D.W.A.** 1995 Mathematical Modeling of a PK/PD Model incorporating a Nonlinear Drug-Protein Binding Model, American Association of Pharmaceutical Scientists Annual Meeting, Miami Beach, FL, November 8th
- Koneru, B., Bourne, D.W.A., and Putcha L.** 1995 Pharmacokinetic/Pharmacodynamic Modeling of Scopolamine given Intravenously and Intranasally, American Association of Pharmaceutical Scientists Annual Meeting, Miami Beach, FL, November 8th
- Bourne, D.W.A.** 1995 Invited Speaker - Publishing News on the World Wide Web, New Directions for News, Fort Worth, 14th November

- Bourne, D.W.A.** 1996 Invited Speaker - Integration of Population Pharmacokinetics, Pharmacy Staff, Tri-Services Hospital, Taipei, Taiwan, 16th April
- Bourne, D.W.A.** 1996 Pharmacokinetics and Pharmacodynamics of IV/IN Scopolamine, College of Pharmacy, National Defense Medical Center, Taipei, Taiwan, 17th April
- Bourne, D.W.A.** 1996 Invited Speaker - Delivering Pharmacy Education on the Information Superhighway, American Association of College of Pharmacy, 97th Annual Meeting, Reno, NV, July 17th
- Polikandritou, M., Abbas, S.A., and Bourne, D.W.A.** 1996 Aerosolized Liposomal Amphotericin-B in Fungal Infections, American Association of Pharmaceutical Scientists, Annual Meeting, Seattle, WA, 28th October
- Bourne, D.W.A., Pihoker, C., and Bowers, C.Y.** 1997 Pharmacokinetic and Pharmacodynamic Modeling of GHRP-2 after Intravenous and Oral Administration to Young Adults (Presentation), Southern Regional Meeting, New Orleans, LA, 7th February
- Bourne, D.W.A.** 1997 Invited Speaker - Teaching on the Internet: Some Tools and Techniques, Medical Information Science Seminar, University of California, San Francisco, CA, 7th May
- Bourne, D.W.A.** 1997 Invited Speaker - Mathematical Modeling of PK/PD Data, Departments of Biopharmaceutical Sciences and Pharmaceutical Chemistry, School of Pharmacy, University of California, San Francisco, 9th May
- Bourne, D.W.A.** 1997 Invited Speaker - An Introduction to HTML for Creating a Web Page, AACP Annual Meeting, Indianapolis, IN, 13th July
- Bourne, D.W.A.** 1997 Invited Speaker - Practical Examples using the Internet for CPE, AACP Annual Meeting, Indianapolis, IN, 13th July
- Bourne, D.W.A.** 1997 Pharmacokinetic Data Analysis and Modeling Using Computers, Three day seminar/workshop for Kemic Bioresearch Laboratories Ltd., Acadia University, Wolfville, NS, Canada, 30th Jul 30 - 1st Aug
- Bourne, D.W.A.** 1997 Pharmacokinetic Data Analysis and Modeling Using Computers, Three day seminar/workshop for Kemic Bioresearch Laboratories Ltd., Philadelphia, PA, 3rd - 5th Dec
- Bourne, D.W.A.** 1998 Invited Speaker - Pharmacokinetic in Space, 145th Annual Meeting & Exposition, APhA, Miami Beach, FL 23 Mar
- Kambhampati, S.R.P., Bourne, D.W.A., Clarke, C.R., Mandsager, R.E., Whitely, R., and Eilerts, B.D.** 1999 PK/PD Characterization of Propofol Infusion in Mixed-Breed Dogs, American Association of Pharmaceutical Scientists Annual Meeting, New Orleans, LA 15 Nov
- Vanapalli, S.R., Bourne, D.W.A., and Putcha, L** 1999 A Sensitive HPLC Method for Simultaneous Determination of Promethazine and Its Three Circulating Metabolites using Electrochemical and UV Detectors, American Association of Pharmaceutical Scientists Annual Meeting, New Orleans, LA 16 Nov
- Kambhampati, S.R.P., Vanapalli, S.R., Nimmagudda, R., Berens, K, Putcha, L., Cheung, J.Y., and Bourne, D.W.A.** 2000 A comparison of neural network and PK/PD prediction of core body temperature from saliva melatonin concentration., Artificial Neural Networks in Engineering Conference (ANNIE 2000), St. Louis, MO 7 Nov

- Bourne, D.W.A.** 2001 Invited Speaker - Internet Strategies for Graduate Student Recruitment, American Association of Colleges of Pharmacy, Annual Meeting, Toronto, ON, Canada, 7 Jul
- Bourne, D.W.A.** 2001 Course Resources for Teachers of Pharmaceutics (Moderator), American Association of Colleges of Pharmacy, Annual Meeting, Toronto, ON, Canada, 11 Jul
- Vanapalli, S.R., Kambhampati, S.R.P., Jelic, T., Putcha, L., and Bourne, D.W.A.** 2001 A population pharmacokinetic analysis of intranasal dosage forms for promethazine in rats, American Association of Pharmaceutical Scientists Annual Meeting, Denver, CO 22 Oct
- Kambhampati, S.R.P., Vanapalli, S.R., Cheung, J.Y., Clarke, C.R., Mandsager, R.E., Whiteley, R., Eilerts, B.D., and Bourne, D.W.A.** 2001 Comparison of PK/PD and neural network prediction of propofol infusion on EEG variables, American Association of Pharmaceutical Scientists Annual Meeting, Denver, CO 23 Oct
- Kambhampati, S.R.P., Vanapalli, S.R., Putcha, L., and Bourne, D.W.A.** 2001 Pharmacokinetic-pharmacodynamic model for melatonin, core body temperature and sleep activity, American Association of Pharmaceutical Scientists Annual Meeting, Denver, CO 23 Oct
- Bourne, D.W.A.** 2003 Moving old web site pages to new site, Section and SIG Orientation Session for Web Pages, Association of Colleges of Pharmacy, Annual Meeting, Minneapolis, MN 20 Jul
- Basmadjian, G. and Bourne, D.W.A.** 2003 Therapeutic and Structural Classification of Prescription Drugs: A Web Site to Aid Students to Understand the Relationship Between the Therapeutic and Physico-Chemical Properties of Drugs, Association of Colleges of Pharmacy, Annual Meeting, Minneapolis, MN 22 Jul
- Bourne, D.W.A.** 2003 Online Generation and Grading of Problem Sets, Association of Colleges of Pharmacy, Annual Meeting, Minneapolis, MN 22 Jul
- Bourne, D.W.A.** 2003 Teaching Presentation, LECOM, Erie, PA 15 Aug
- Bourne, D.W.A.** 2003 Pharmacokinetics in Clinical and Research Drug Product Development, IBC USA Conferences, Inc., Costa Mesa, CA 16-17 Sep
- Bourne, D.W.A.** 2003 Development and Evaluation of a Nasal Dosage Form of Promethazine, OSU College of Veterinary Medicine, Stillwater, OK 2 Oct
- Bourne, D.W.A.** 2003 Pharmacokinetics in Clinical and Research Drug Product Development, IBC USA Conferences, Inc., Cambridge, MA 9-10 Oct
- Bourne, D.W.A.** 2003 Pharmacokinetics in Clinical and Research Drug Product Development, IBC USA Conferences, Inc., South San Francisco, CA 17-18 Nov
- Bourne, D.W.A.** 2004 Creating Interactive Web Pages using JavaScript, Java applets and PHP, Association of Colleges of Pharmacy, Annual Meeting, Salt Lake City, UT 13 Jul
- Lu, YH; Bourne, DWA; Lee, YJ.** 2004 Creating a Java Gui (JGuiB) for the Pharmacokinetic/Pharmacodynamic Computer Program- BOOMER. (abstract and poster) 2004 Annual Meeting of Pharmaceutical Society and Proceedings of Conference on Pharmaceutical Sciences and Pharmacy Education. Taipei, TAIWAN, pp.173. 18th Dec

- Bourne, D.W.A.** 2005 Pharmacokinetic, Pharmacodynamic Workshop, Altus Inc, OKC-Boston via video conference, 2nd Feb-13th Apr
- Bourne, D.W.A.** 2005 One day workshop - Pharmacokinetic Data Analysis: PK/PD Modeling Techniques/Resources From Basic, Industries to Internet, sponsored by Taiwan Society of Health-System Pharmacists, Taipei, Taiwan, 21st May
- Bourne, D.W.A. and Davison, A.M.** 2005 Enhancing Student Performance Through Web Generated Weekly Assessments and Self-paced Practice Sets in a Pharmaceutical Mathematics Course, Association of Colleges of Pharmacy, Annual Meeting, Cincinnati, OH 10th Jul
- Bentz, B.G., Maxwell, L.K., Bourne, D.W.A. and Erkert, R.** 2007 Pharmacokinetics of valacyclovir in the adult horse, *J. Vet. Intern. Med.*, **21**, 601-2
- Dormer, K., Grady, B., Bourne, D., Rutel, I., Gao, X., Chen, K., Wang, K. and Kopke, R.** 2009 Superparamagnetic-PLGA Nanoparticles for Targeted Delivery of Therapeutics to the Inner Ear, Conference on Nanotechnology for Health Care; Winthrop Rockefeller Institute/University of Arkansas, Little Rock, AR 7-10th Jan
- Wang, Y., Gao, X., Ewert, D., Bourne, D., Grady, B., Dormer, K., Chen, K. and Kopke, R.** 2009 Incorporation and Release of Various Forms of Dexamethasone in Biodegradable Poly(lactic-co-glycolic acid) Nanoparticles, 2009 MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD 16th Feb
- Bourne, D.W.A.** 2010 Pharmacokinetics and Biopharmaceutics Modeling: Advanced Course, 1 ½ day Workshop, Department of Pharmaceutical Sciences, University of Colorado, Aurora, CO 3-4 Dec
- Bourne, D.W.A.** 2011 Pharmacokinetics and Biopharmaceutics Modeling: Advanced Course, 1 ½ day Workshop, Department of Pharmaceutical Sciences, University of Colorado, Aurora, CO 21-22 Nov
- Kadam, R.S., Kompella, U.B., Bourne, D.W.A. and Aquilante, C.** 2012 Influence of the CYP2C8*3 Polymorphism on the Population Pharmacokinetics of Pioglitazone in Healthy Volunteers, Pharmaceutical Science Research Symposium, University of Colorado, Aurora, CO 12th Jan
- Lewis, T., Bourne, D., Thurman, M., Burton, M and Rianthavorn, P.** 2012 Pharmacokinetics of Daptomycin in Children on Hemodialysis, Pediatric Academic Societies, Annual Meeting, Boston, MA 29th Apr
- Fogueri U, Cheungpasitporn W, Bourne D, Fervenza FC, Joy MS.** 2015 Rituximab exhibits altered pharmacokinetics in patients with membranous nephropathy. ASN Annual Meeting, San Diego, CA
- Sarah A Mellion, Alison Brent, Kathleen Adelgais, David Bourne, Jeffrey Galinkin and Joseph Wathen, MD** 2016 Correlating clinical effectiveness of intranasal midazolam with pharmacokinetic profile in children undergoing laceration repair, PAS Meeting
- Goot BH, Kaufman J, Bourne D, Hickey F, Twite M, Galinkin J, Christians U, Pan Z, Zuk J, Wilson T, Jaggars J, da Cruz E** 2016 Morphine Pharmacokinetics in Children with Down Syndrome Following Cardiac Surgery, 16th Annual International Symposium on Congenital Heart Disease

Matter, Brock A.; Ghaffari, Ali, Bourne, David, Wang, Yan, Choi, Stephanie and Kompella, Uday B. 2016 Dexamethasone Degradation During In Vitro Release from an Intravitreal Implant
ARVO

PUBLICATIONS

- Bourne, D.W.A., Higuchi, T., and Pitman I.H.** 1974. Chemical Equilibria in Solutions of Bisulfite Salts. *J. Pharm. Sci.*, **63**(6), 865-868
- Cabana, B.E., Van Harken, D.R., Hottendorf, G.H., Doluiso, J.T., Griffen, Jr., W.O., Bourne, D.W.A., and Dittert, L.W.** 1975. The Role of the Kidney in the Elimination of Cephapirin in Man. *J. Pharmacokin. Biopharm.*, **3**(6), 419-438
- Munson, J.W. and Bourne, D.W.A.** 1976. Pharmacy College Admission Test (PCAT) as a Predictor of Academic Success. *Amer. J. Pharm. Ed.*, **40**, 237-239
- Bevill, R.F., Dittert, L.W., and Bourne, D.W.A.** 1977. Disposition of Sulfonamides in Food-Producing Animals IV: Pharmacokinetics of Sulfamethazine in Cattle following Administration of an Intravenous Dose and Three Oral Dosage Forms. *J. Pharm. Sci.*, **66**(5), 619-623
- Bevill, R.F., Koritz, G.D., Dittert, L.W., and Bourne, D.W.A.** 1977. Disposition of Sulfonamides in Food-Producing Animals V: Disposition of Sulfathiazole in Tissue, Urine, and Plasma of Sheep following Intravenous Administration. *J. Pharm. Sci.*, **66**(9), 1297-1300
- Bevill, R.F., Sharma, R.M., Meachum, S.H., Wozniak, S.C., Bourne, D.W.A., and Dittert, L.W.** 1977. Disposition of Sulfonamides in Food-Producing Animals: Concentrations of Sulfamethazine and Its Metabolites in Plasma, Urine, and Tissues of Lambs Following Intravenous Administration. *Amer. J. Vet. Res.*, **38**(7), 973-977
- Bourne, D.W.A., Bevill, R.F., Sharma, R.M., Gural, R.P., and Dittert, L.W.** 1977. Disposition of Sulfonamides in Food-Producing Animals: Pharmacokinetics of Sulfamethazine in Lambs. *Amer. J. Vet. Res.*, **38**(7), 967-972
- Bourne, D.W.A. and Gwilt, P.R.** 1977. Digital Computer Fitting of Multiple Dose Data. *Austral. J. Pharm. Sci.*, **6**(2), 53-54
- Bourne, D.W.A., Higuchi, T., and Repta, A.J.** 1977. Acetylcroninium Salts as Soluble Prodrugs of the Antineoplastic Agent Acronine. *J. Pharm. Sci.*, **66**(5), 628-631
- Foster, T.S. and Bourne, D.W.A.** 1977. Use of a Programmable Hand-held Calculator for Clinical Pharmacokinetics. *Amer. J. Hosp. Pharm.*, **34**, 70-75
- Koritz, G.D., Bourne, D.W.A., Dittert, L.W., and Bevill, R.F.** 1977. Disposition of Sulfonamides in Food-Producing Animals: Pharmacokinetics of Sulfathiazole in Sheep. *Amer. J. Vet. Res.*, **38**(7), 979-982
- McAllister, Jr., R.G., Bourne, D.W.A., and Dittert, L.W.** 1977. The pharmacology of verapamil I. Elimination kinetics in dogs and correlation of plasma levels with effect on the electrocardiogram. *J. Pharmacol. Exp. Ther.*, **202**, 38-44
- Mercer, H.D., Rollins, L.D., Carter, G.G., Gural, R.P., Bourne, D.W.A., and Dittert, L.W.** 1977. Factors Affecting Serum Oxytetracycline Levels in Beef Calves. *J. Pharm. Sci.*, **66**(8), 1198-1200
- Munson, J.W. and Bourne, D.W.A.** 1977. Pharmacy College Admission Test (PCAT) as a Predictor of Academic Success. II: A Progress Report. *Amer. J. Pharm. Ed.*, **41**, 272-274

- Bourne, D.W.A.** 1978. Pharmacokinetic Modeling. *Proc. First Sympos. Vet. Pharmacol. Therap.*, 1-13, Baton Rouge, LA, Amer. College Vet. Pharmacol. Therap.
- Bourne, D.W.A.** 1978. Factors Influencing Drug Disposition in the Body - Biopharmaceutics. *Proc. First Sympos. Vet. Pharmacol. Therap.*, 14-28, Baton Rouge, LA, Amer. College Vet. Pharmacol. Therap.
- Bourne, D.W.A., Dittert, L.W., Koritz, G.D., and Bevill, R.F.** 1978. Disposition of Sulfonamides in Food-Producing Animals. VII. Disposition of Sulfathiazole in Tissue, Urine, and Plasma of Swine Following Intravenous Administration. *J. Pharmacokin. Biopharm.*, **6**(2), 123-134
- Chung, V.S., Bourne, D.W.A., and Dittert, L.W.** 1978. Drug Absorption VIII: Kinetics of GI Absorption of Methotrexate. *J. Pharm. Sci.*, **67**(4), 560-561
- Gautam, S.R., Chung, V.S., Bourne, D.W.A., and Munson, J.W.** 1978. HPLC Assay for Trimethoprim in Plasma and Urine. *Anal. Letters*, **B11**(11), 967-973
- Koritz, G.D., Bevill, R.F., Bourne, D.W.A., and Dittert, L.W.** 1978. Disposition of Sulfonamides in Food-Producing Animals: Pharmacokinetics of Sulfathiazole in Swine. *Amer. J. Vet. Res.*, **39**(3), 481-484
- Koritz, G.D., Bourne, D.W.A., Dittert, L.W., and Bevill, R.F.** 1978. Disposition of sulfonamides in food-producing animals: disposition of sulfathiazole in tissues, urine, and plasma of cattle following intravenous administration. *J. Vet. Pharmacol. Therap.*, **1**, 155-161
- Koritz, G.D., Bourne, D.W.A., Dittert, L.W., and Bevill, R.F.** 1978. Disposition of sulfonamides in food-producing animals: pharmacokinetics of sulfamerazine in cattle. *J. Vet. Pharmacol. Therap.*, **1**, 285-292
- Triplett, J.W., Bourne, D.W.A., and Smith R.B.** 1978. A Method for Continuous Monitoring of Radiopharmaceuticals in Blood for Pharmacokinetic Studies in Rats. *Int. J. Appl. Radiat. Isotop.*, **29**, 189-190
- Bourne, D.W.A., Triplett, J.W., Hayden, T.L., DeSimone, P.A., and Hoeschele J.D.** 1979. Pharmacokinetics of cis-Dichlorodiammine Platinum (II) in Rats Using an External Loop - Eigenfunction Expansion Technique. *J. Pharm. Sci.*, **68**(12), 1571-1572
- Chung, V.S., Bourne, D.W.A., and Dittert, L.W.** 1979. Competitive Inhibition between Folic Acid and Methotrexate for Transport Carrier in the Rat Small Intestine. *J. Pharm. Sci.*, **68**(12), 1552-1553
- Dittert, L.W., and Bourne, D.W.A.** 1979. *Pharmacokinetics*. In **Modern Pharmaceutics**. Banker, G.S. and Rhodes, C.T. eds, pp87-142, Marcel Dekker, New York
- Hayashi, M., Bourne, D.W.A., Bevill, R.F., and Koritz, G.D.** 1979. Disposition of Sulfonamides in Food-Producing Animals: Pharmacokinetics of Sulfamerazine in Ewe Lambs. *Amer. J. Vet. Res.*, **40**(11), 1578-1582
- McAllister, Jr., R.G., Bourne, D.W.A., Tan, T.G., Erickson, J.L., Wachtel, C.C., and Todd, E.P.** 1979. Effects of hypothermia on propranolol kinetics. *Clin. Pharmacol. Therap.*, **25**(1), 1-7
- McAllister, Jr., R.G., Tan, T.G., and Bourne, D.W.A.** 1979. GLC Assay of Verapamil in Plasma: Identification of Fluorescent Metabolites after Oral Drug Administration. *J. Pharm. Sci.*, **68**(5), 574-577

- Gautam, S.R., Nahum, A., Baechler, J. and Bourne, D.W.A.** 1980. Determination of papaverine in plasma and urine by high-performance liquid chromatography. *J. Chromatog.*, **182**, 482-486
- Todd, G.D., Bourne, D.W.A., and McAllister, Jr., R.G.** 1980. Measurement of Verapamil Concentrations in Plasma by Gas Chromatography and High Pressure Liquid Chromatography. *Therap. Drug Monitor.*, **2**, 411-416
- Bourne, D.W.A.** 1981. Residues of Drugs in Food Animals. *U.S. Pharmacist*, **6**, 58-62
- Bourne, D.W.A., Bialer, M., Dittert, L.W., Hayashi, M., Rudawsky, G., Koritz, G.D., and Bevill, R.F.** 1981. Disposition of Sulfadimethoxine in Cattle: Inclusion of Protein Binding Factors in a Pharmacokinetic Model. *J. Pharm. Sci.*, **70**(9), 1068-1072
- Bourne, D.W.A. and Triggs, E.J.** 1981. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist. I Introductory Pharmacokinetics. *Introspect* **1**(10) 1-4
- Bourne, D.W.A. and Triggs, E.J.** 1981. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist. II Pharmacokinetics of Drug Absorption. *Introspect* **1**(11) 1-4
- Bourne, D.W.A. and Triggs, E.J.** 1981. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist. III Factors Affecting Oral Absorption - Biological, Chemical, and Formulation Factors. *Introspect* **1**(12) 1-4
- Bourne, D.W.A. and Triggs, E.J.** 1981. Pharmacokinetics and Biopharmaceutics - Series for the Practising Pharmacist. IV Drug Excretion. *Introspect* **1**(13) 1-4
- Bourne, D.W.A. and Wright, A.H.** 1981. Modification of the Digital Computer Program NONLIN Which Allows It to Run on the PDP-11 Minicomputer. *Austral. J. Pharm. Sci.*, **10**(1), 23-24
- Dominic, J.A., Bourne, D.W.A., Tan, T.G., Kirsten, E.B., and McAllister, Jr., R.G.** 1981. The Pharmacology of Verapamil. III. Pharmacokinetics in Normal Subjects After Intravenous Drug Administration. *J. Cardiovasc. Pharmacol.*, **3**, 25-38
- Koritz, G.D., Bourne, D.W.A., Hunt, J.P., Prasad, V.I., Bevill, R.F., and Gautam, S.R.** 1981. Pharmacokinetics of theophylline in swine: a potential model for human drug bioavailability studies. *J. Vet. Pharmacol. Therap.*, **4**, 233-239
- Triplett, J.W., Bourne, D.W.A., Kim, E.E., Gautam, S.R., McWhorter, L.K., and Deland, F.H.** 1981. Alteration of Gallium Distribution in the Rat Using Periodically Related Elements - Enhanced early imaging. *Acta Radiolog. Oncol.*, **20**, 365-371
- Bevill, R.F., Koritz, G.D., Rudawsky, G., Dittert, L.W., Huang, C.H., Hayashi, M., and Bourne, D.W.A.** 1982. Disposition of Sulfadimethoxine in Swine: Inclusion of Protein Binding Factors in a Pharmacokinetic Model. *J. Pharmacokin. Biopharm.*, **10**(5), 539-550
- Bourne, D.W.A. and Triggs, E.J.** 1982. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist V. Multiple Dosing and Dosing Regimen Adjustments. *Introspect*, **1**(15) 1-4
- Bourne, D.W.A. and Triggs, E.J.** 1982. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist VI. Dosing Regimen Adjustment in Disease States. *Introspect*, **1**(16) 1-3
- Bourne, D.W.A. and Triggs, E.J.** 1982. Pharmacokinetics and Biopharmaceutics - A Series for the Practising Pharmacist VII. Drug Distribution. *Introspect*, **1**(17) 1-3

- Guerrini, V.H., Filippich, L., English, P.B. and Bourne, D.W.A.** 1983. Pharmacokinetics of cefotaxime in sheep. *Amer. J. Vet. Res.* , **44**(8), 1488-1491
- Hayden, T.L., Bourne, D.W.A., and Fu, Y.T.** 1983. Fourier - Transform Analysis of Radiopharmaceutical Data. *Math. Biosciences* , **63**, 71-85
- Ho, P.C., Triggs, E.J., Heazlewood, V., and Bourne, D.W.A.** 1983. Determination of Nitrazepam and Temazepam in Plasma by High - Performance Liquid Chromatography. *Therap. Drug Monitor.*, **5**, 303-307
- Tovey, C., Bourne, D.W.A., Schneider, J., Stephens, I.D., and Triggs, E.J.** 1983. Determination of alcuronium dichloride in plasma by high - performance liquid chromatography without solvent extraction. *J. Chromatog.*, **278**, 216-219
- Tovey, C., Stephens, I.D., Triggs, E.J. and Bourne, D.W.A.** 1983. Apple II Program to Simulate the Response - Time Profile of Non - Depolarising Muscle Relaxants. *Comp. in Biol. and Med.*, **13**(3), 171-174
- Duddy, J., Hayden, T.L., Bourne, D.W.A., Fiske, W.D., Benedek, I.H., Stanley, D., Gonzalez, A., and Heierman, W.** 1984. Physiological Model for Distribution of Sulfathiazole in Swine. *J. Pharm. Sci.*, **73**(11), 1525-1528
- Guerrini, V.H., Filippich, L.J., English, P.B., Cao, G.R., and Bourne, D.W.A.** 1984. Pharmacokinetics of cefotaxime and probenecid in sheep with normal and reduced renal function. *J. Vet. Pharmacol. Therap.*, **7**, 283-291
- Ho, P.C., Bourne, D.W.A., Triggs, E.J. and Heazlewood, V.** 1984. Pharmacokinetics of Canrenone and Metabolites After Base Hydrolysis Following Single and Multiple Dose Oral Administration of Spironolactone. *Eur. J. Clin. Pharmacol.*, **27**, 441-446
- Ho, P.C., Bourne, D.W.A., Triggs, E.J. and Smithurst, B.A.** 1984. Comparison of Plasma Levels of Canrenone and Metabolites After Base Hydrolysis in Young and Elderly Subjects Following Single and Multiple Doses of Spironolactone. *Eur. J. Clin. Pharmacol.*, **27**, 435-439
- Schneider, J.J., Triggs, E.J., Bourne, D.W.A., Stephens, I.D., and Haviland, A.M.** 1984. Determination of oxycodone in human plasma by high-performance liquid chromatography with electrochemical detection. *J. Chromatog.* , **308**, 359-362
- Stephens, I.D., Ho, P.C., Holloway, A.M., Bourne, D.W.A., and Triggs, E.J.** 1984. Pharmacokinetics of Alcuronium in Elderly Patients Undergoing Total Hip Replacement or Aortic Reconstructive Surgery. *Brit. J. Anaesth.*, **56**, 465-71
- Guerrini, V.H., Filippich, L.J., Cao, G.R., English, P.B., and Bourne, D.W.A.** 1985. Pharmacokinetics of Cefarionide, Ceftriaxone and Cefoperazone in Sheep. *J. Vet. Pharmacol. Therap.*, **8**, 120-127
- Guerrini, V.H., Filippich, L.J., English, P.B., Cao, G.R., and Bourne, D.W.A.** 1985. Effect of Probenecid on the Pharmacokinetics of Cefotaxime in Sheep. *J. Vet. Pharmacol. Therap.*, **8**, 38-46
- Guerrini, V.H., Filippich, L.J., English, P.B., Schneider, J.J., Cao, G.R., and Bourne, D.W.A.** 1985. Pharmacokinetics of Probenecid in Sheep. *J. Vet. Pharmacol. Therap.*, **8**, 128-135

- Ho, P.C., Triggs, E.J., Bourne, D.W.A., and Heazlewood, V.J.** 1985. The effect of age and sex on the disposition of acetylsalicylic acid and its metabolite. *Brit. J. Clin. Pharmacol.*, **19**(5), 675-684
- Kwon, K.I., Bourne, D.W.A., and Ho, P.C.** 1985. Effect of caffeine on the plasma protein binding and the disposition of ceftriaxone. *J. Pharmacy Pharmacol.*, **37**(11)836-839
- Triplett, J.W., Hayden, T.L., Mc Whorter, L.K., Gautam, S.R., Kim, E.E., and Bourne, D.W.A.** 1985. Determination of Gallium Concentration in "Blood Free" Tissues Using a Radiolabeled Blood Marker. *J. Pharm. Sci.*, **74**(9), 1007- 1009
- Bourne, D.W.A.** 1986. MULTI-FORTE, a microcomputer program for modelling and simulation of pharmacokinetic data. *Computer Methods and Programs in Biomedicine.*, **23**, 277-281
- Bourne, D.W.A., Triggs, E.J., and Eadie, M.J.** 1986. Pharmacokinetics for the Non-Mathematical. MTP Press, London
- Guerrini, V.H., English, P.B., Filippich, L.J., Schneider, J., and Bourne, D.W.A.** 1986. Pharmacokinetics of Cefotaxime in the Dog. *Vet. Record*, **119**, 81-83
- Guerrini, V.H., English, P.B., Filippich, L.J., Schneider, J., and Bourne, D.W.A.** 1986. Pharmacokinetic evaluation of a slow-release cefotaxime suspension in the dog and in sheep. *Amer. J. Vet. Res.*, **47**(9), 2057-2061
- Kwon, K.I. and Bourne, D.W.A.** 1986. Effect of Caffeine on Ceftriaxone Disposition and Plasma Protein Binding in the Rat. *J. Pharmacokin. Biopharm.*, **14**(4), 397-408
- Awaluddin, A.B., Jacobs, J.J., Bourne, D.W.A., Maddalena, D.J., Wilson, J.G., and Boyd, R.E.** 1987. Synthesis and characterization of potential tumor scintigraphic agents. *Appl.Rad.Isotop., Int.J.Rad.Appl.Instr. Part A*, **38**(8), 671-674
- Awaluddin, A., Jacobs, J.J., Bourne, D.W.A., Maddalena, D.J., Wilson, J.G. and Boyd, R.E.** 1987. Biological evaluation of ^{99m}Tc cis-Platinum Iminodiacetic Acid Complexes as Tumour Imaging Agents. *Proc. Vth. Int. Sympos. Radiopharmacology*, 29-31st October 1987, 1-21.
- Kwon, K.I. and Bourne, D.W.A.** 1987. Physiological pharmacokinetic model for distribution and elimination of tenoxicam. *Int.J.Pharm.*, **37**, 219-226
- Hakim, L., Bourne, D.W.A., and Triggs, E.J.** 1988. HPLC Assay of Cefotaxime, Desacetylcefotaxime and Ceftriaxone in Rat Plasma. *J. Chromatog.*, **424**, 111-117
- Bourne, D.W.A.** 1989. Boomer, a simulation and modeling program for pharmacokinetic and pharmacodynamic data analysis. *Comput. Meth. Prog. Biomed.*, **29**, 191-195
- Clarke, C.R., Short, C.R., Bourne, D.W.A. and Usenik, E.A.** 1989. Subcutaneously implanted tissue chambers — a pharmacokinetic study, *J. Vet. Pharmacol. Therap.*, **12** , 312-321
- Hakim, L., Bourne, D.W.A., and Triggs, E.J.** 1989. Disposition of Cefotaxime and Its Metabolite, Desacetylcefotaxime, in rat - Application of a Pharmacokinetic Protein Binding Model, *Xenobiotica*, **19**, 743-754
- Hakim, L., Bourne, D.W.A., and Triggs, E.J.** 1989 Disposition of ceftriaxone in rat: application of a pharmacokinetic-protein binding model and comparison with cefotaxime, *Xenobiotica*, **19**(8), 815-822.

- Kolibash, A.J., Lewis, R.P., Bourne, D.W.A., Kramer, W.G., and Reuning, R.H.** 1989 Extension of the Serum Digoxin Concentration — Response Relationship to Patient Management. *J. Clin. Pharmacology*, **29**, 300-306
- Bourne, D.W.A. and Dittert, L.W.** 1990 *Pharmacokinetics*. In **Modern Pharmaceutics**. Banker, G.S. and Rhodes, C.T. eds, 2nd ed., Marcel Dekker, New York, NY
- Chen G., Griffin, M., Poyer J.L., McCay P.B., and Bourne, D.W.A.** 1990 HPLC Procedure for the Pharmacokinetic Study of the Spin-Trapping Agent, *α*-Phenyl-*N*-Tert-Butyl Nitron (PBN), *Free Rad. Biol. Med.*, **8**, 93-98
- Kwon, K-I and Bourne, D.W.A.** 1990 Physiological Pharmacokinetic Model of Ceftriaxone Disposition in the Rat and the Effect of Caffeine on the Model, *Arch. Pharm. Res.*, **13**(3), 227-232
- Jacobs, J.J., Maddalena, D.J., Wilson, J.G., Awaluddin, A., King-Christopher, J. and Bourne, D.W.A.** 1990 Biological Evaluation of ^{99m}Tc Labeled *cis*- Platinum Containing Benzyloiminodiacetic Acids as Potential Tumor Imaging Agents, *Int. J. Radiat. Appl. Instrum. Part B, Nucl. Med. Biol.*, **17**(4) 397-400
- Bourne, D.W.A.** 1991 Boomer, listed in 'A Reference Guide to Macintosh in Higher Education', Apple Computer, Inc. , p104
- Hampton, E.M., Hrdlicka, K. and Bourne, D.W.A.** 1991 Comparison of MS-DOS and Macintosh pharmacokinetic analysis programs using a two-compartment, two-infusion dosing scheme, *Clin.Pharm.*, **10**, 206-209
- Sundararajan, V., Cooper, D.K.C., Muchmore, J., Manion, C.V., Liguori, C., Zuhdi, N., Novitzky, D., Chen, P-N., Bourne, D.W.A., and Corder, C.N.** 1991 Interaction of Cyclosporine and Probucol in Heart Transplanted Patients, *Transplant. Proc.*, **23**, 2028-2032
- Bourne, D.W.A., Jacobs, J.J., Awaluddin, A., Maddalena, D.J., Wilson, J.G., and Boyd, R.E.** 1992. Physiological Modeling of Potential Tumor Imaging Radiopharmaceutical Disposition in Tumored Mice, *J. Pharm.Sci.*, **81**, 408-412
- Clarke, C.R., Bourne, D.W.A., Lauer, A.K., and Barron, S.J.** 1993 Distribution of intramuscularly administered erythromycin into subcutaneous tissue chambers before and after inoculation with *Pasteurella haemolytica*, *Res. Vet. Sci.*, **54**, 366-371
- Bourne, D.W.A.** 1994 *Mathematical Modeling of Pharmaceutical Data* in **Encyclopedia of Pharmaceutical Technology**, Volume 9, Swarbrick, J. and Boylan, J.C. eds, Marcel Dekker, New York, NY
- Smith, C.L., Hampton, E.M., Pederson, J.A., Pennington, L.R., and Bourne, D.W.A.** 1994 Clinical and Medicoeconomic Impact of the Cyclosporine-Diltiazem Interaction in Renal Transplant Recipients, *Pharmacotherapy*, **14**(4), 471-481
- Srinivasan, R.S., Bourne, D.W.A., and Putcha, L.** 1994 Application of Physiologically Based Pharmacokinetic Models for Assessing Drug Disposition in Space, *J. Clin. Pharmacol.*, **34**, 692-698

- Walker, J.L., Clarke, C.R., Hague, C.M., Bourne, D.W.A., and Lessley, B.A.** 1994 Effects of Localized *Pastereurella haemolytica* Infection on Erythromycin-Binding Properties of Bovine Alpha-1-Acid Glycoprotein, Albumin, Serum, and Tissue Chamber Fluids, *Antimicrobial Agents and Chemotherapy*, **38**(10), 2392-2397
- Whipple L.K., Lewis, K.S., Weitman, S.D., Ausman, R.K., Bourne, D.W.A., Andrews, W., Adams, M.B., Sasse, E.A., Quebbeman, E.J.** 1994 Pharmacokinetic Evaluation of a New Oral Cyclosporine Formulation, *Pharmacotherapy*, **14**(1), 105-110
- Bourne, D.W.A.** 1995 **Mathematical Modeling of Pharmacokinetic Data**, Technomic Publishing Co., Lancaster, PA
- Bourne, D.W.A. and Dittert, L.W.** 1995 *Pharmacokinetics*. In **Modern Pharmaceutics**. Banker, G.S. and Rhodes, C.T. eds, 3rd ed., Marcel Dekker, New York, NY
- Chen, C.L., Sangiah, S., Bourne, D.W.A., Roder J.D., Chen, H., Alavi, F.K., Clarke, C.R., Garrison, G.L., Berlin, K.D., Couch, K.M., Zisman, S.A., Scherlag, B.J., Lazzara R. and Van Der Helm, D.** 1995 Metabolism and metabolite pharmacokinetics of BRB-I-28, a class Ib antiarrhythmic agent, *Eur. J. Drug Metab. and Pharmacokin.*, **20**(2), 151-161
- Bourne, D.W.A., Hogkinson, P., McLean, S.** 1995 A Trek Through CyberSpace, *Amer. J. Pharm. Ed.*, **59**, 402-408
- Bourne, D.W.A.** 1996 Internet Pharmacy Resources, Basic Bibliographies, *Hospital Pharmacy*, **31**, 594, 599
- Bourne, D.W.A.** 1996 Web Resources: The American Association of Pharmaceutical Scientists (AAPS), *Pharmaceutical Technology*, **20**(6), 115-116
- Doris, P.A., Hayward-Lester, A., Bourne, D.W.A. and Stocco, D.M.** 1996 Ouabain Production by Cultured Adrenal Cells, *Endocrinology*, **137**, 533-539
- Guerrinin, V.H., Filippich, L.J., Bourne, D.W.** 1996 Adjustment of exposure standards for extended workshifts, *Online J. Veterinary Research*, **1** (11), 1-21 December [<http://www.uq.edu.au/~csvguerr/man196.html>]
- Polikandritou Lambros, M., Abbas, S.A., and Bourne, D.W.A.** 1996 New high-performance liquid chromatographic method for amphotericin B analysis using an internal standard, *J. Chromatog. B: Biomed. Applic.*, **685**, 135-140
- Putcha, L., Tietze, K.J., Bourne, D.W.A., Parise, C.M., Hunter, R.P., Cintron, N.M.** 1996 Bioavailability of Intranasal Scopolamine in Normal Subjects, *J. Pharm. Sci.*, **85**(8), 899-902
- Bourne, D.W.A.** 1997 Using the Internet as a Pharmacokinetic Resource, *Clinical Pharmacokinetics*, **33**, 153-160
- Kwon, K.I. and Bourne, D.W.A.** 1997 Gastrointestinal Absorption of Phenytoin from an Oil-in-water Microemulsion, *Arch. Pharm. Res.*, **20**(5), 480-485
- Polikandritou Lambros, M., Bourne, D.W.A., Abbas, S.A., Johnson, D.L.** 1997 Disposition of Aerosolized Liposomal Amphotericin B, *J. Pharm. Sci.*, **86**, 1066-1069
- Ramanathan, R., Geary, R.S., Bourne, D.W.A., and Putcha, L.** 1998 Bioavailability of intranasal promethazine dosage forms in dogs, *Pharmacological Research*, **38**(1), 35-39

- Siva R.P.Kambhampati, Sreenivasa R.Vanapalli, Nimmagudda R, Berens K, Lakshmi Putcha, John Y.Cheung, and David W.A.Bourne.** 2000 A comparison of neural network and PK/PD prediction of core body temperature from saliva melatonin concentration., *Intelligent Engineering Systems Through Artificial Neural Networks*, **10**, 795-800
- Vanapalli, S.R., Kambhampati, S.P., Putcha, L., and Bourne, D.W.A.** 2001 A Liquid Chromatographic Method for the Simultaneous Determination of Promethazine and Three of Its Metabolites in Plasma Using Electrochemical and UV Detectors, *J. Chromatographic Sciences*, **39(2)**, 70-72
- Bourne, D.W.A.** 2002 Chapter 12. Classical Modeling, Section IV Research Applications in **Pharmacokinetics in Drug Discovery and Development** Schoenwald, R.D. ed., CRC Press, Boca Raton, FL
- Bourne, D.W.A.** 2002 *Mathematical Modeling of Pharmaceutical Data* in **Encyclopedia of Pharmaceutical Technology**, Volume x, Swarbrick, J. and Boylan, J.C. eds, Marcel Dekker, New York, NY on line at <http://www.dekker.com/>
- Bourne, D.W.A..** 2002 Chapter 3. *Pharmacokinetics*. In **Modern Pharmaceutics**. Banker, G.S. and Rhodes, C.T. eds, 4th ed., Marcel Dekker, New York, NY
- Dimas, V.V., Taylor, M.D., Cunyngnam, C.B., Overholt, E.D., Bourne, D.W.A., Stanely, J.R., Sheikh, A., Wolf, R., Valentine, B. and Ward, K.E.** 2005 Transplacental Pharmacokinetics of Flecainide in the Gravid Baboon and Fetus, *Pediatr. Cardiol.*, **26(6)**, 815-820
- Bourne, D.W.A. and A.M. Davison.** 2006 Self-paced Instruction of Pharmaceutical Mathematics using a Web Based Database of Questions, *Amer J Pharm Educ.*, **70(5)**, #116
- Maxwell, L.K., Bentz, B.G., Bourne, D.W.A. and Erkert, R.S.** 2008 Pharmacokinetics of valacyclovir in the adult horse, *J. Veterinary Pharmacol Therap*, **31**, 312-320
- Bourne, D.W.A.** 2009 Chapter 3, *Pharmacokinetics* in **Modern Pharmaceutics, Volume 1 Basic Principles and Systems**, Florence, A.T and Siepmann, J. eds, 5th ed., Informa Healthcare, New York, NY
- Agashe, H., Lagisetty, P., Sahoo, K., Bourne, D., Grady, B. and Awasthi, V.** 2011 Liposome-encapsulated EF24-HP β CD inclusion complex: a preformulation study and biodistribution in a rat model. *J Nanopart Res.*, **13**, 2609-23
- Wang, Y., Gao, X., Kuriyavar, S., Bourne, D., Grady, B., Chen, K., Dormer, K. and Kopke, R.D.** 2011 Incorporation, release and effectiveness of dexamethasone in poly(lactic-co-glycolic acid) nanoparticles for inner ear drug delivery, *J. Nanotech. Engineer. Med.*, **2**, 011013 (7 pages)
- Kadam, R.S., Bourne, D.W.A. and Kompella, U.B.** 2012 Nano-advantage in Enhanced Drug Delivery with Biodegradable Nanoparticles: Contribution of Reduced Clearance. *Drug Metabolism and Disposition*, **40(7)**, 1380-1388
- Du, X., Chen, K., Kuriyavar, S., Kopke, R.D., Grady, B.P., Bourne, D.W.A., Li, W. and Dormer, K.J.** 2013 Magnetic Targeted Delivery of Dexamethasone Acetate across the Round Window Membrane in Guinea Pigs, *Otol Neurotol*, **34**, 41-47

- Kadam, R., Bourne, D., Kompella, U. and Aquilante, C.** 2013 Effect of Cytochrome P450 2C8*3 on the Population Pharmacokinetics in Healthy Caucasian Volunteers, *Biol. Pharm. Bull.*, **36**(2) 245-251
- Aquilante, C., Kosmiski, L., Bourne, D.W.A., Bushman, L., Daily, E., Hammond, K., Hopley, C., Kadam, R., Kanack, A., Kompella, U., Le, M., Predhomme, J., Rower, J. and Sidhom, M.,** 2013 Impact of the CYP2C8*3 polymorphism on the drug-drug interaction between gemfibrozil and pioglitazone, *British Journal of Clinical Pharmacology*, **75**, 217-226
- Towner, R.A., Gillespie, D.L., Schwager, A., Saunders, D.G., Smith, N., Njoku, C.E., Krysiak, R.S., Larabee, C., Iqbal, H., Floyd, R.A., Bourne, D.W.A., Abdullah, O., Hsu, E.W. and Jensen, R.L.** 2013 Regression of Glioma Tumor Growth in F98 and U87 Rat Glioma Models by the Nitrone, OKN-007. *Neuro-Oncology*, **15**(3), 330-340
- Achanta, S., Sewell, A., Ritchey, J.W., Broaddus, K., Bourne, D.W.A., Clarke, C.R., Maxwell, L.K.** 2016 Anatomical and physiological basis for the allometric scaling of cisplatin clearance in dogs. *J. Vet. Pharmacol. Therap.*, **39**(3), 224-36 doi: [10.1111/jvp.12266](https://doi.org/10.1111/jvp.12266)
- Mellion, S., Bourne, D.W.A., Brou, L., Brent, A., Adelgais, K., Galinkin, J., Wathen, J.,** 2017 Evaluating clinical effectiveness and pharmacokinetic profile of atomized intranasal midazolam in children undergoing laceration repair. *Journal of Emergency Medicine*, **53**(3),

PUBLICATIONS (eBooks)

- Bourne, D.W.A.** 2012 **Boomer Manual: Basic**, Apple iTunes Bookstore, <http://itunes.apple.com/us/book/boomer-manual/id529520745?mt=11> May
- Bourne, D.W.A.** 2012 **Pharmacy Math: A Preview**, Apple iTunes Bookstore, <http://itunes.apple.com/us/book/pharmacy-math-a-preview/id528689992?mt=11> May
- Bourne, D.W.A.** 2012 **Pharmacy Math - Part 1**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-1/id555121072?mt=11> v1.0 Nov
- Bourne, D.W.A.** 2012 **Pharmacy Math - Part 2**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-2/id575999069?mt=11> v 1.0 Nov
- Bourne, D.W.A.** 2012 **Basic Pharmacokinetics**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/basic-pharmacokinetics/id505553540?mt=11> v 1.0 Nov
- Bourne, D.W.A.** 2012 **Basic Pharmacokinetics: Truncated**, Apple iTunes Bookstore, <http://itunes.apple.com/us/book/basic-pharmacokinetics-truncated/id514626933?mt=11> v 1.0 Dec
- Bourne, D.W.A.** 2013 **Basic Pharmacokinetics**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/basic-pharmacokinetics/id505553540?mt=11> v 1.4 Apr
- Bourne, D.W.A.** 2013 **Pharmacy Math - Part 1**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-1/id555121072?mt=11> v1.4 Dec
- Bourne, D.W.A.** 2014 **Pharmacy Math - Part 1**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-1/id555121072?mt=11> v1.9 Sep
- Bourne, D.W.A.** 2015 **Pharmacy Math - Part 2**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-2/id575999069?mt=11> v 1.3 Oct
- Bourne, D.W.A.** 2016 **Basic Pharmacokinetics**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/basic-pharmacokinetics/id505553540?mt=11> v 1.4.2 Jul
- Bourne, D.W.A.** 2016 **Pharmacy Math - Part 1**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/pharmacy-math-part-1/id555121072?mt=11> v1.10 Aug
- Bourne, D.W.A.** 2017 **Basic Pharmacokinetics**, Apple iTunes Bookstore, <https://itunes.apple.com/us/book/basic-pharmacokinetics/id505553540?mt=11> v 1.4.3 Jan

PUBLICATIONS (Apps)

- Bourne, D.W.A.** 2015 **PharmacyTutorials**, Apple AppleTV App Store, v 1.0.1 Nov
- Bourne, D.W.A.** 2016 **Current Locations**, Apple iOS App Store, <https://itunes.apple.com/us/app/current-locations/id1071269253?mt=8> v 1.0.1 Jan
- Bourne, D.W.A.** 2016 **tValues**, Apple iOS App Store, <https://itunes.apple.com/us/app/tvalue/id1082227470?mt=8> v 1.0.2 May

Bourne, D.W.A. 2016 **Catch the Sig**, Apple iOS App Store, <https://itunes.apple.com/us/app/catch-the-sig/id1092876650?mt=8> v 1.0.4 May

Bourne, D.W.A./University of Colorado Denver 2016 **Name the Drug**, Apple iOS App Store, <https://itunes.apple.com/us/app/name-the-drug/id1138921486?mt=8> v 1.1.1 Sep

Bourne, D.W.A./University of Colorado Denver 2016 **Rx Review**, Apple iOS App Store, <https://itunes.apple.com/us/app/rx-review/id1154216088?mt=8> v 1.0.1 Sep

Bourne, D.W.A./University of Colorado Denver 2017 **Drug Structures**, Apple iOS App Stores, <https://itunes.apple.com/us/app/drug-structures/id1207401347?mt=8> v1.0 Feb