David W. A. Bourne
7th January 2023

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Aurora, CO 80016
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PRESENT POSITION:  Professor Emeritus, Pharmaceutical Sciences, University of Oklahoma

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 - January 2023
Member of the Center for Translational Pharmacokinetics and Pharmacogenomics, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado, 2010 - January 2023
Member of the Colorado Clinical & Translational Sciences Institute, University of Colorado, 2013 - January 2023
Professor, College of Pharmacy, University of Oklahoma, Oklahoma City, OK 1996 - May 2013
Adjunct 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 Federal Public Defender, OK 2004
Teaching Experience:

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

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 (over 3000 members). Maintains pharmacokinetic/pharmacodynamic resources at http://www.pharmpk.com/

Domains: boomer.org, pharmacy.org, pharmpk.com

Online course material at http://www.boomer.org/c/p4/ “Basic Pharmacokinetics” and http://www.boomer.org/c/m/ “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, 18
Awards and Scholarship - Member 2016, 17, 18
Strategic Initiative subCommittee - Member 2016, 17, 18
Ad hoc Curriculum Accreditation - Member 2013, 14
Ad hoc IT Search Committee - Member 2014, 15, 17

Anschutz Campus Committees

IT Governance Research and Creative Endeavors Committee - Member 2017, 18
IT Governance Infrastructure Committee - Member 2017, 18
University Web Professionals Committee - Member 2018
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

Tripplett, 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

Tripplett, 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

Tripplett, 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

Tripplett, 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 ß-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. 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 ß-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 1993

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

Putcha, L. and Bourne, D.W.A. Pharmacokinetic Models for Assessing the Effect of Weightlessness on Drug Pharmacodynamics, NASA RTOPG, $55,480 December 1993

Bourne, D.W.A. Simulation of Pharmacokinetic Models using HyperCard®, OU HSC Summer Academy, $500 February 1994

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

Bourne, D.W.A. Emulsion Drug Formulations for Improved Oral Administration, OCAST, $52,542 June 1995

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

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 1996

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

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

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

1997

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 Nitrone 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 Jun 2019

2016

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado Department of Public Health and Environment, 1 Oct 2015 - 30 Jun 2019

2017

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado Department of Public Health and Environment, 1 Oct 2015 - 30 Jun 2019

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

2018

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado Department of Public Health and Environment, 1 Oct 2015 - 30 Jun 2019

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

2019

Bourne, D.W.A. Co-investigator, P.I. Wang, G.S., Cannabidiol (CBD) and Pediatric Epilepsy, Colorado Department of Public Health and Environment, 1 Oct 2015 - 30 Jun 2019

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

Bourne, D.W.A. Co-investigator, P.I. Kompella, Uday B. Nonivasive Monitoring of Suprachoroidal Delivery, NIH R21 1 Feb 2019 - 31 Jan 2021
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., Acardia 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, APPhA, 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, Cincinatti, 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, Jaggers 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

Wymore, Erica, Palmer, Claire, Wang, George, Metz, Torri, Bourne, David, Henthorne, Thomas, Sempio, Cristina, Klavitter, Jost, Bunik, Maya, 2018 Excretion and Persistence of Marijuana in Human Breast Milk, Pediatric Academic Societies 2018 Toronto Meeting

Erica Wymore, Claire Palmer, George Sam Wang, Torri Metz, David Bourne, Cristina Sempio, Jost Klavitter, Maya Bunik, 2018 Excretion and Persistence of Marijuana in Human Breast Milk, ICRS 2018 Leiden

Madhoosudan A. Patil, Brock Matter, Yogendra H. Raol, David Bourne, Ryan A. Kelley, and Uday B. Kompella, Pharmacokinetics of flupirtine, a non-opioid analgesic drug, in neonatal rats: Distribution, metabolism, and PBPK modeling, Gordon Research Conference, Drug Metabolism

Bourne D.W.A., 2018 What Can You Do With a Phone That is SMART, SSPPS Research Meeting, Breckenridge CO

Fogueri U, Cheungapasitport W, Bourne D, Fervenza FC, Joy MS. 2018 Altered pharmacokinetics of rituximab in membranous nephropathy Annual Winter Symposium, University of CO, Jan

Wymore, E, Bourne D.W.A. et al. 2018 Duration of Marijuana Excretion in Human Breast Milk The 23rd Annual International Meeting of the Academy of Breastfeeding Medicine, 14-17 Nov 2018

Michael Lampe, Ben Harnke, Ellie Svoboda, Jessica Hitt-Laustsen, Natalia Vergara, David Bourne 2020 Where in the World is Your OER Content?: Using Analytics for your Portfolio COLTT 2020, (5 August)

Michael Lampe, Ellie Svoboda, Ben Harnke, Jessica Hitt-Laustsen, Natalia Vergara, David Bourne 2020 Where in the World is your OER Content?: Using Analytics for your Portfolio OpenEd20, (10 November)

David Bourne, Ben Harnke, Natalia Vergara, Ellie Svoboda, Jessica Hitt-Laustsen and Michael Lampe, Maureen Stabio, Radu Moldovan, Gregory Glazner and Matthew Rustici 2021 OER: to the textbook and beyond! COLTT 2021, 5 August 2021

Erica M Wymore MD MPH, Claire Levek MS, George S. Wang MD, Torri D Metz MD MS, David W.A. Bourne PhD, Maya Bunik MD MPH 2021 Frequency of Maternal Marijuana Use and Association with Cannabinoids in Breastmilk and Urine Toxicology Testing International Society for Research in Human Milk and Lactation (ISRHML), Stockholm

Grant Comstock, Kevin Kilgallon, George Sam Wang, David Bourne, Eliza Blanchette, Erin Stenson 2021 Management and Associated Toxicokinetics of Massive Valproic Acid Ingestion with High Flow Continuous Venovenous Hemodiafiltration North American Congress of Clinical Toxicity (NACCT), 16-18 Oct 2021
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. Acetylacroninium 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

Chungi, 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., Chungi, 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

Chungi, 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 Pharmacuetics*, 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. Pharmacok. 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

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