CURRICULUM VITAE

Paul M. Beringer, Pharm.D.

PERSONAL INFORMATION

Business Address:	University of Southern California, School of Pharmacy 1985 Zonal Avenue, Los Angeles, California 90033
Business Telephone:	(323) 442-1402
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EDUCATION

1983-86	University of California Irvine, School of Biological Sciences Irvine, California
1986-90	University of Southern California, School of Pharmacy, Los Angeles, California Pharm.D.

POSTGRADUATE EDUCATION

1990-91	Resident in Clinical Pharmacy, University of California San Francisco, School of Pharmacy, San Francisco, California
1991-92	Specialty Resident in Clinical Pharmacokinetics, University of California San Francisco, School of Pharmacy, San Francisco, California

LICENSURE

1990-Present California State Board of Pharmacy RPH 43971

BOARD CERTIFICATION

1995-2002	Board Certified Pharmacotherapy Specialist BCPS 295378
2002-2009	Recertified

PROFESSIONAL EXPERIENCE

2018 – Present	Professor of Clinical Pharmacy University of Southern California, School of Pharmacy, Los Angeles, California
2017 – Present	Chair, Titus Family Department of Clinical Pharmacy
2001 – Present	Associate Professor of Clinical Medicine, Department of Pulmonary and Critical Care Medicine, Keck School of Medicine, Los Angeles, California
2000 – Present	Associate Professor of Clinical Pharmacy, University of Southern California, School of Pharmacy, Los Angeles, California
1992 - 2000	Assistant Professor of Clinical Pharmacy, University of Southern California, School of Pharmacy, Los Angeles, California
1992 - 2000	Coordinator, Therapeutic Drug Monitoring Service, Department of Pharmaceutical Services, USC University Hospital, Los Angeles, California

TEACHING EXPERIENCE

Course Coordination 2011 – Present PHRD 559 Pharmacokinetics

PhD Students	
2020- Present	Eunjin Hong, Pharm.D.
2018-2021	Jenny Park
	CXPT Best TA Award 2019
	AFPE Predoctoral Training Award 2019 (renewed 2020)
2017 – Present	Mansour Dughbaj
	T90 Predoctoral Training Award 2020 (renewed 2021)
	AFPE Predoctoral Training Award 2020
2015 - 2019	Jordanna Jayne
	Krown Fellowship Award 2018
2011 - 2016	Timothy Bensman, Pharm.D.
	F31 Predoctoral Training Award 2014-2016
	T90 Predoctoral Training Award 2013
	AACP-Medco Scholarship Award 2011
	-

Masters Students:	
2021-2022	Sun Woo Kim, University of Southern California
2016-2017	Jenny Park, University of Southern California
2014-2015	Hao Guo, University of Southern California

2013	Niklas Werner, Göteborg University, Sweden
2012	Liza Minnhagen, Göteborg University, Sweden
2012	Inngeborg de Veth, Utrecht University, The Netherlands
2010	Susanne Carlsson, Göteborg University, Sweden
2008	Therese Ericcson, Göteborg University, Sweden
2007	Anna Heed, Göteborg University, Sweden
2004 - 2005	Xiyun Zhang, University of Southern California
2003 - 2004	Kitty My Tu Huynh, University of Oslo
2002 - 2003	Pål Falck Sprauten, University of Oslo
Visiting Scholars	
2013-2014	Elza Kimura-Grimshaw, Ph.D., Universidade Estadual de Maringá -
	Paraná – Brazil
2014-2015	Meiling Sun, Ph.D., College of Science, China Pharmaceutical University
Fellows: Antimicro	
2015 - 2016	Joshua Wang, Pharm.D.
2007 - 2010	Heather Owens, Pharm.D., M.S.
	AFPE Fellowship Training Award 2009-2010

- ACCP Infectious Diseases Fellowship Award 2008-2009
- 2005 2007 Levita Hidayat, Pharm.D.
- 2003 2005 Jane Kriengkauykiat, Pharm.D.
- 2002 2003 Emily Han, Pharm.D.
- 2001 2002 Thao Nguyen, Pharm.D.
- 2000 2001 Megan Montgomery, Pharm.D.
- 1999 2000 Amir Aminimanizani, Pharm.D.

Residents: Pharmacy Practice

1997 - 2018	Preceptor, Pharmacy Practice Residency, University of Southern
	California, School of Pharmacy

APPE:

2005	Clinical Pharmacokinetics Clerkship
2000 - 2017	Acute Care Medicine Clerkship
1994 - 2000	Clinical Pharmacokinetics Clerkship
1992 - 1994	Acute Care Medicine Clerkship

UNIVERSITY AND PUBLIC SERVICE

Health Science Campus

2015	Member, Clinical Research Advisory Group
2010	Member, HSC Master Planning Committee
2010	Member, AAHRP Institutional Review Board Re-accreditation
2009	Member, Theraeputic Intent Committee
2007	Member, AAHRP Institutional Review Board Accreditation

2004 - 2012	Member, Institutional Review Board
2004 - 2010	Member, General Clinical Research Center (GCRC) advisory board

USC School of Pharmacy

2019	Faculty Advisor, Rho Chi Theta chapter
2015-2016	Member, PHTS Graduate Curriculum Committee
2015-2016	Member, PHTS Graduate Admissions Committee
2015	Member, Research Advisory Committee
2015	Member, Executive Board
2015 - 2016	Member, Curriculum Committee
2011 - Present	Member, IMCC
2011	Member, Executive Committee of the Pharmacy Faculty Counsel
2006	Member, Pharmaceutical Sciences Faculty Search Committee - PK
2005	Member, Graduate Affairs Committee
2004-2005	Member, Deans Search Committee
2004-2005	Chair, Senior Translational Scientist Faculty Search Committee,
	Department of Pharmacy
2004	Chair, Faculty Search Committee, Department of Pharmacy
2004	Member, School of Pharmacy Strategic Planning - Research
2003	Chair, Acute Care Medicine Faculty Search Committee, Department of
	Pharmacy
2002	Member, Faculty Search Committee, Pharmaceutical Sciences
2001	Member, Faculty Search Committee, USCUH Pharmacy Director
2001	Chair, Task Force on Post-Pharm.D. USC Training Programs
2001	Chair, Promotion Subcommittee
2000	Chair, Task Force on USC Clinical Fellowship Guidelines
2000	Member, Search committee – USCUH Faculty Position
2000	Member, Ad-hoc Task force on Clinical Faculty Profiles
1999 – Present	Member, Residency Council
1999	Member, Ad-hoc Faculty Search Committee-USCUH.
1999 - Present	Member, Ad-hoc Faculty Retention Committee.
1998 - 2000	Member, Executive Committee of the Pharmacy Faculty Assembly
1998 - 1999	Publicity Subcommittee, USC/Japan Conference on "Frontiers of Drug
	Development"
1996 – 1997	Member, Ad-Hoc Search Committee-LAC/USC Faculty Position
1996 - Present	Faculty Development Ad-hoc Committee
1995 – 1996	Peer Review Committee
1995	Curriculum Revision Consultant, Pharmaceutics Course

Professional Societies

1997 - Present	American Association of Colleges of Pharmacy (AACP)
1996 - Present	Southern California College of Clinical Pharmacy (SCCCP)
	Chair, Continuing Education Committee (1996-97)
	President Elect (1998)

	President (1999)
	Immediate Past President (2000)
1995 - 2004	Southern California Society of Health-System Pharmacists (SCSHP)
	Co-chair, Education Committee (1996)
	Member, Nominations Committee (1996-8)
	Treasurer (1997)
	Member, House of Delegates (1997-99)
	Secretary (1998)
	President-elect (2000)
	Chair, Nominations Committee (2000)
	President (2001)
	Immediate Past President (2002)
1993 - Present	American College of Clinical Pharmacy (ACCP)
	Member, Publications Committee (1997-98)
	Member, Pharmacokinetic/Pharmacodynamic PRN (1997-2000)
	Member, Educational Affairs Committee (1998-2000)
	Member, Fellowship Review Committee (2001-2003)
	Member, Fellowship Awards Committee (2004-2005)
	Member, Research Affairs Committee (2006-2007)
	Member, Acute Care Task Force Committee (2010-2011)
	Secretary/Treasurer PK/PD/PG PRN (2014-2015)
1991 - 2004	California Society of Health-System Pharmacists (CSHP)
	Member, Continuing Education Committee, Focus '97 (1996-7)
	Member, Editorial Advisory Board (1997-99)
	Member, Editorial Advisory Board
	Internet subcomittee (1999 – 2000)
	Member, Practitioner Recognition Awards Committee (2001)
	Chair, Practitioner Recognition Awards Committee (2002)
	Member, Committee on Nominations (2003)
1990 - 2004	American Society of Health-System Pharmacists (ASHP)
	Member, Section of Clinical Specialists (1997-98)
	Member, Pharmacokinetics Network (1997-98)
	Network Facilitator on Pharmacokinetics (1998-99)

Government

2020- Present FDA, Pharmaceutical Science and Clinical Pharmacology Advisory Committee (PSCP).

HONORS AND AWARDS

2018	Honorary Member, Phi Lambda Sigma.
2009	ACCP Annual Meeting Best Student Poster Presentation Student: Tim Bensman, B.S., Pharm.D. candidate

2009	AFPE Post-PharmD Fellowship Training Award – Fellow: Heather Owens, Pharm.D., MS
2008	ACCP Infectious Disease Fellowship Training Award Fellow: Heather Owens, Pharm.D., MS
2006	Fellow, American College of Clinical Pharmacy
2004	Residency Preceptor of the Year
2003	Career Development Research Award, American College of Clinical Pharmacy. P-glycoprotein and renal clearance of antibiotics in CF
2000	Practitioner Fellow, American Society of Health-System Pharmacists (FASHP)
1998	Practitioner Fellow, California Society of Health-System Pharmacists (FCSHP)
1998	Mini-sabbatical, April – June 1998. Sponsor: USC School of Pharmacy Training Site: Laboratory of Applied Pharmacokinetics, USC School of Medicine. Director, Roger Jelliffe, M.D.
1990-Present	Rho Chi Pharmaceutical Honor Society

EDITORIAL REFEREE

2013 - Present	AJRCMM
2006 - Present	Journal of Cystic Fibrosis
2004 - Present	Journal of Antimicrobial Chemotherapy
2004 - Present	Clinical Pharmacology and Therapeutics
2001 - Present	Antimicrobial Agents and Chemotherapy
2001 - Present	The American Journal of the Medical Sciences
1998 - Present	Abstract Reviewer, American College of Clinical Pharmacy (ACCP)
1998 - Present	Pharmacotherapy
1997 - Present	Formulary
1996 - Present	Annals of Pharmacotherapy

EDITORIALSHIPS

Editor, Basic Clinical Pharmacokinetics 6th edition, 2018.

Section Editor, Pharmacokinetics/Pharmacodynamics in Remington's: The Science and Practice of Pharmacy, 21st edition. 2005

Section Editor, Textbook of Therapeutics, General Section. 8th Edition. 2005.

Editorial Advisory Board, Therapeutic Monitoring Section, Annals of Pharmacotherapy.

Section Editor, Therapeutic Drug Monitoring, Annals of Pharmacotherapy. 2010 - 2013

RESEARCH SUPPORT

Principal Investigator - Comparative pharmacokinetics of a tablet and extemporaneous liquid formulation of lamotrigine. Glaxo-Wellcome. May 1998 - \$3,500.

Principal Investigator - Population pharmacokinetics of intravenous ciprofloxacin in adult cystic fibrosis patients. Bayer Pharmaceuticals. November 1998 - \$10,000.

Co-Investigator - Epidemiological study of cystic fibrosis (ESCF). Genentech. June 2000 – 2002 - \$4,000/year

Principal Investigator - Pharmacokinetics of 'once-daily" tobramycin in adult cystic fibrosis patients. Abbott Diagnostics. December 1998 - \$1,500.

Principal Investigator – Pharmacodynamics of continuous infusion cefepime in adult cystic fibrosis patients. Dura Pharmaceuticals. March 2000 - \$28,000

Co-Investigator – Evaluation of the absorption characteristics of oral linezolid during continuous enteral feedings. Pharmacia-Upjohn. December 2000 - \$50,000.

Co-Principal Investigator – In vitro evaluation of the immunomodulatory effects of celecoxib, azithromycin, and tacrolimus. Pharmacia Unrestricted Grant. August 2001 - \$10,000.

Principal Investigator – Impact of a formulary switch from ampicillin-sulbactam to piperacillin-tazobactam on patient outcomes in an orthopedic infectious diseases ward. Wyeth-Ayerst Unrestricted Grant. October 2001 - \$10,000

Principal Investigator – Bioavailability and intracellular pharmacokinetics of azithromycin in patients with cystic fibrosis. Webb Cystic Fibrosis Research Award. March 2002 - \$30,000.

Principal Investigator – Bactericidal activity of ampicillin-sulbactam, gatifloxacin and their combination against multi-drug resistant isolates of *Acinetobacter baumannii*. Bristol Myers Squibb. March 2002 - \$29,375

Principal Investigator – Contribution of renal P-gp to the enhanced clearance of antibiotics in patients with CF. American College of Clinical Pharmacy Career Development Award. June 2003 – July 2005, \$55,000.

Principal Investigator – Pharmacogenomics of *MDR1* in patients with CF. Webb Foundation CF Research Award. January 2005- \$27,500.

Principal Investigator – Impact of abnormal body composition on predictability of GFR in HIV. GSK. December 2006 – \$132,000. (Funding period Jan 2007 – April 2008).

Principal Investigator – Effect of pioglitazone on sputum biomarkers of inflammation and airway remodeling. Webb Foundation CF Research Award. January 2007 - \$38,000

Principal Investigator – Effect of doxycycline on sputum biomarkers of inflammation and airway remodeling. Webb Foundation CF Research Award. January 2008 - \$53,000

Principal Investigator – Establishment of an in-vitro model of CF airway inflammation/remodeling. Webb Foundation CF Research Award. January 2009 - \$27,000

Principal Investigator – Predictors of anti-inflammatory response to azithromycin in patients with cystic fibrosis. Webb Foundation CF Research Award. January 2010 – December 2010. \$45,600.

Principal Investigator – Evaluation of CXCR2 inhibition on airway inflammation in a murine model of CF. Webb Foundation CF Research Award. November 2010. \$53,000.

Principal Investigator - Pharmacodynamics of RTD-1, a Novel Peptide Inhibitor of TACE in an Experimental Model of Neutrophillic Airway Inflammation. NIH/NCRR SC CTSI Grant Number UL1 RR03986. September 2011. \$30,000.

Principal Investigator – Prospective observational study of biomarkers of aminoglycoside-induced acute kidney injury in patients with cystic fibrosis. Foundation for NIH. July 2012. \$334,000

Principal Investigator – Preclinical Pharmacokinetics of RTD-1. Webb Foundation CF Research Award. January 2012. \$20,000

Principal Investigator – Anti-inflammatory activity of Ang(1-7) in a murine model of chronic Pseudomonas airway infection. Tarix Pharmaceuticals. \$88,000

Co-Investigator - Novel macrocyclic peptides for in vivo blockade of arthritogenic proteases. Arthritis Foundation. January 2013. \$180,000.

Principal Investigator – Contribution of TACE to Airway Inflammation in CF. Webb Foundation CF Research Award. January 2013. \$30,000

Co-Investigator (PI-Selsted) - Molecular Aspects of Leukocyte Antimicrobial Peptides. 2R01AI022931-26A1 (Selsted) 06/01/2013-05/31/2017 NIH NIAID

Co-Investigator - Novel Therapeutic Approach for Multi-drug Resistant Mycobacteria (PI-Selsted) 07/01/2013 – 06/30/2014 Whittier Foundation

Principal Investigator - Mechanism of Macrocyclic Peptide Regulation of Pseudomonasinduced Pulmonary Inflammation. 12-1-14 to 11-31-16 Cystic Fibrosis Research Inc (CFRI).

Principal Investigator Targeting CF Infection and Inflammation with Aerosolized Thetadefensin 4-1-14 to 3-31-16. Cystic Fibrosis Foundation

Principal Investigator - Steady-state pharmacokinetics of tedizolid in plasma and sputum of patients with cystic fibrosis. Funded, Cubist Pharmaceuticals. 2015

Principal Investigator - Steady-state pharmacokinetics of ceftazidime/avibactam in plasma and sputum of patients with cystic fibrosis. Funded, Forest Labs. 2015

Principal Investigator – Impact of pharmacist interventions on clinical outcomes in patients with cystic fibrosis. Funded, Gilead. 2016

Co- Principal Investigator. Design and evaluation of cyclotide-based antimicrobial microproteins as therapeutic leads. USC School of Pharmacy Interdisciplinary Research Award. 2018-2020.

Principal Investigator. Pharmacokinetics of omadacycline in CF. Paratek Pharmaceuticals. November 2020.

Principal Investigator. Impact of Rifabutin on the Pharmacokinetics of Elexacaftor-Tezacaftor-Ivacaftor. Cystic Fibrosis Foundation. September 2021.

Principal Investigator. *In vitro* and *in vivo* activity of imipenem-relabactam alone and in combination against CF isolates of *Mycobacterium abscessus*. Merck. November 2021.

BIBLIOGARPHY

Peer Reviewed Journals

Park A Young J., Tran DQ, Schaal JB, Wang M, Selsted ME, **Beringer PM**. Preclinical pharmacokinetics and safety of intravenous RTD-1. Antimicrob. Agents Chemother 2022;66(3)

Dughbaj MA, Jayne JG, Park AY, Bensman TJ, Algorri M, Ouellette AJ, Selsted ME, **Beringer PM**. Anti-Inflammatory Effects of RTD-1 in a Murine Model of Chronic *Pseudomonas aeruginosa* Lung Infection: Inhibition of NF- κ B, Inflammasome Gene Expression, and Pro-IL-1 β Biosynthesis. *Antibiotics* 2021, *10*(9), 1043; https://doi.org/10.3390/antibiotics10091043. <u>Chaudhuri D</u>, <u>Ganesan R</u>, Vogelaar A, Dughbaj MA, **Beringer PM**, Camarero JA. Chemical Synthesis of a Potent Antimicrobial Peptide Murepavadin Using a Tandem Native Chemical Ligation/Desulfurization Reaction. J Org Chem. 2021 Oct 12. PMID: 34641669.

Ganesan R, Dughbaj MA, Ramirez L, Beringer S, Aboye TL, Shekhtman A, **Beringer PM**, Camarero JA. Engineered Cyclotides with Potent Broad in Vitro and in Vivo Antimicrobial Activity. Chemistry. 2021 Jun 22. PMID: 34159664.

Wang W, He H, Marín-Ramos N, Zeng S, Swenson S, Cho H, Fu J, **Beringer PM**, Neman J, Chen L, Schönthal AH, Chen TC. Enhanced brain delivery and therapeutic activity of trastuzumab after blood-brain barrier opening by NEO100 in mouse models of brain-metastatic breast cancer. Neuro Oncol. 2021 Feb 28;noab041. doi: 10.1093/neuonc/noab041.

Basso V, Tran DQ, Schaal JB, Tran P, Eriguchi Y, Ngole D, Cabebe AE, Park AY, **Beringer PM**, Ouellette AJ, Selsted ME. Rhesus Theta Defensin 1 Promotes Long Term Survival in Systemic Candidiasis by Host Directed Mechanisms. Sci Rep 2019;9:16905.

Avedissian SN, Rhodes N, Ng T, Rao AP, **Beringer PM**. The Potential for QT Interval Prolongation with Chronic Azithromycin Therapy in Adult Cystic Fibrosis Patients. Pharmacotherapy 2019;39:718-23.

Park AY, Wang J, Jayne J, Fukushima L, Rao AP, D'Argenio DZ, and **Beringer PM**. Pharmacokinetics of Tedizolid in Plasma and Sputum of Adults with Cystic Fibrosis. Antimicrob. Agents Chemother. 2018;62:e00550-18

Jayne, JG, Bensman TJ, Schaal JB, Park AY, Kimura E, Tran D, Selsted ME, **Beringer PM**. Rhesus theta defensin-1 attenuates endotoxin-induced acute lung injury by inhibiting proinflammatory cytokines and neutrophil recruitment. Am J Resp Cell Mol Biol 2017.

Schaal JB, Tran D, Subramanian A, Patel R, Laragione T, Roberts KD, Trinh K, Tongaonkar P, Tran P, Minond D. Fields GB, **Beringer PM**, Ouellette AJ, Gulko PS, Selsted ME. Suppression and Resolution of Autoimmune Arthritis by Immunomodulatory θ-Defensins. PLOS ONE 2017.

Bensman TJ, Wang J, Jayne J, Fukushima L, Rao AP, D'Argenio DZ, and **Beringer PM**. Pharmacokinetic-Pharmacodynamic Target Attainment Analyses to Determine Optimal Dosing of Ceftazidime-Avibactam for the Treatment of Acute Pulmonary Exacerbations in Cystic Fibrosis. Antimicrob. Agents Chemother. 2017; doi:10.1128/AAC.00988-17

Bensman TJ, Jayne J, Sun M, Kimura E, Meinert J, Wang JC, Schaal JB, Tran D, Rao AP, Akbari O, Selsted ME, **Beringer PM**. Efficacy of Rhesus Theta (θ)-Defensin-1 in Experimental Models of *Pseudomonas aeruginosa* Lung Infection and Inflammation. Antimicrobial Agents Chemother 2017;8:61:e00154-17.

Beringer PM, Bensman TJ, Ho H, Agnello M, Denovel N, Nguyen A, Wong-Beringer A, She R, Tran DQ, Moskowitz SM, Selsted ME. Rhesus theta-defensin-1 (RTD-1) exhibits *in vitro* and *in vivo* activity against cystic fibrosis strains of *Pseudomonas aeruginosa*. J Antimicrob Chemother 2016;71:181-188. PMID: 26433781

Ha H, Debnath B, Odde S, Bensman T, Ho H, **Beringer PM**, and Neamati N. Discovery of Novel CXCR2 Inhibitors Using Ligand-Based Pharmacophore Models. J Chem Information Modeling. 2015; 55(8):1720-38. PMID: 26153616

Neamati N, Ha H, Bensman T, Ho H, **Beringer PM**. A novel phenylcyclohex-1enecarbothioamide-based compound inhibits CXCL-8-mediated chemotaxis through selective regulation of CXCR2-mediated signaling. Br J Pharmacol. 2014;171:1551-65.

Lambros MP, **Beringer PM**, Wong-Beringer A. Nebulizer choice affects the airway targeting of amphotericin B lipid complex aerosols. J Pharm Technol 2013;29:199-204.

Bensman T, Nguyen A, Rao AP, **Beringer PM**. Doxycycline exhibits anti-inflammatory activity in CF bronchial epithelial cells. Pulm Pharmacol Ther. 2012 Oct;25(5):377-82. PMID: 22771903

Haas C, Eckel S, Arif S, **Beringer PM**, et al. Acute Care Clinical Pharmacy Practice Models: Unit- vs. Service-Based Models. Pharmacotherapy. 2012 Feb;32(2):e35-44. PMID: 22392430.

Beringer PM, Owens H, Nguyen A, Benitez D, Rao A, D'Argenio DZ. Pharmacokinetics of doxycycline in adults with cystic fibrosis. Antimicrob Agents Chemother. 2012 Jan;56(1):70-4. PMID: 22024822

Minejima E, Choi J, **Beringer P**, Lou M, Tse E, Wong-Beringer A. Applying new diagnostic criteria for acute kidney injury to facilitate early identification of nephrotoxicity in vancomycin-treated patients. Antimicrob Agents Chemother. 2011 Jul;55(7):3278-83.

Wong-Beringer, A., Joo J, Tse E, **Beringer P**.Vancomycin-associated nephrotoxicity: a critical appraisal of risk with high-dose therapy. Int J Antimicrob Agents 2011;37:95-101

Dowling TC, Murphy JE, Kalus JS, Nkansah NT, Chappell JC, Wiederhold NP, **Beringer P**, Crews KR, Grabinski JL, Evens RP, Leff R. Recommended education for pharmacists as competitive clinical scientists. Pharmacotherapy 2009;29:236-244. PMID: 19170592

Beringer PM, Hidayat L, Heed A, Zheng L, Owens H, Benitez D, Rao AP. GFR estimates using cystatin C are superior to serum creatinine in adult patients with cystic fibrosis. J Cyst Fibros. 2009 Jan;8(1):19-25. PMID: 18799365

Beringer PM, Kriengkauykiat J, Zhang X, Hidayat L, Liu S, Louie S, Synold T, Burckart GJ, Rao PA, Shapiro B, Gill M. Lack of effect of P-glycoprotein inhibition on

renal clearance of dicloxacillin in patients with cystic fibrosis. Pharmacotherapy. 2008 Jul;28(7):883-94. PMID: 18576903

Liu S, **Beringer PM**, Hidayat L, Rao AP, Louie S, Burckart GJ, Shapiro B. Probenecid, but not cystic fibrosis, alters the total and renal clearance of fexofenadine. J Clin Pharmacol. 2008 Aug;48(8):957-65. PMID: 18511651

Han E, **Beringer PM**, Sprauten PF, Louie S, Rao P, Shapiro B, and Gill MA. Pilot study of continuous infusion cefepime in adult patients with cystic fibrosis. J Antimicrob Chemother 2006;57:1017-1019.

Beringer PM, Huynh K, Krienkauykiat J, Bi L, Hoem N, Han E, Louie S, Rao A, Shapiro BJ, Gill M. Bioavailability and intracellular pharmacokinetics of azithromycin in patients with cystic fibrosis. Antimicrob Agents Chemother 2005;49:5013-5017.

Beringer PM, Nguyen M, Hoem N, Louie S, Gill M, Gurevitch M, Wong-Beringer A. Population pharmacokinetic analysis to evaluate the impact of continuous enteral feedings on the bioavailability of linezolid in hospitalized patients. Antimicrob Agents Chemother 2005;49:3676-3681.

Wong-Beringer A, Lambros M, **Beringer PM**, Johnson DL. Suitability of inhaled caspofungin for prevention of pulmonary aspergillosis: physicochemical profiling and nebulizer choice. Chest 2005;128:3711-3716.

Garcia AA, Pujari M, Jeffers S, Iqbal S, Lenz HJ, **Beringer P**, Louie SG. Phase I clinical and pharmacokinetic trial of docetaxel and irinotecan administered on a weekly schedule. Cancer Chemother Pharmacol 2005;56:75-82.

Beringer PM, Slaughter RL. Transporters and their impact on drug disposition. Ann Pharmacother 2005;39:1097-1108.

Beringer PM, Han E, Louie SG, Gill MA, Shapiro BJ. Pharmacokinetics of ibuprofen in children with cystic fibrosis. *Clin Pharmacokinet* 2004;43:145-56.

Swadron SP, Rudis MI, Azimian K, **Beringer P**, Fort D, Orlinsky M. A Comparison of Phenytoin-loading Techniques in the Emergency Department. Acad Emerg Med 2004; 11(3): 244-252

Dattilo CV, **Beringer PM**, Gill MA. The management and treatment of osteomyelitis. California Pharmacist 2003:55-65.

Sprauten P, **Beringer PM**, Louie SG, Gill MA. Stability and antibacterial activity of cefepime during continuous infusion administration. *Antimicrob Agents Chemother* 2003;47:1991-94.

Aminimanizani A, **Beringer PM**, Tsang L, Shapiro B, Jelliffe R. Pharmacokinetics of once-daily tobramycin administration in adult patients with cystic fibrosis. *J Antimicrob Chemother* 2002;50:553-9.

Grant T, **Beringer PM**, Nguyen T, Gill MA. Cystic fibrosis: pathophysiology and pharmacological management. US Pharmacist 2002(July) HS44-62.

Beringer PM, Aminimanizani A, Scott C, Synold T. Development of population pharmacokinetic models and optimal sampling times for ibuprofen in children with cystic fibrosis. *Ther Drug Monitor* 2002;24:315-21.

Montgomery MJ, **Beringer PM**, Aminimanizani A, Louie SG, Shapiro B, Jelliffe R, Gill MA. Population Pharmacokinetics and use of Monte Carlo simulation to determine the optimal dose of ciprofloxacin in adult patients with cystic fibrosis. *Antimicrob Agents Chemother* 2001;45:3468-73.

Aminimanizani A, **Beringer PM**, Jelliffe R. Comparative pharmacokinetics and pharmacodynamics of the newer fluoroquinolone agents. *Clin Pharmacokinet* 2001;40:169-87.

Montgomery MJ, **Beringer PM**, Louie SG, Gill MA. Estimation of creatinine clearance in patients with metastatic ovarian cancer receiving peritoneal chemotherapy. *Ther Drug Monitor* 2000;22:695-700.

Beringer PM, Vinks A, Jelliffe R, Shapiro B. Pharmacokinetics of tobramycin in adults with cystic fibrosis: Implications for once-daily administration. *Antimicrob Agents Chemother* 2000;44:809-813.

Beringer PM, Wong-Beringer A, Rho JP. Predictive performance of a vancomycinaminoglycoside population model. *Ann Pharmacother* 1998;32:176-81.

Beringer PM, Vinks A, Jelliffe R. Pharmacokinetics of once-daily amikacin dosing in patients with cystic fibrosis. [letter] *J Antimicrob Chemother* 1998;41:142-44.

Beringer PM, Wong-Beringer A, Rho JP. Economic aspects of antibacterial adverse effects. *PharmacoEconomics* 1998;13:35-49.

Wong-Beringer A, **Beringer PM**, Lovett MA. Successful treatment of meningitis due to multi-drug resistant *Pseudomonas aeruginosa* with high-dose ciprofloxacin therapy. *Clin Infect Dis* 1997;25:936-7.

Beringer PM, Rho JP. Comparing the newest fluoroquinolones: Levofloxacin and sparfloxacin *Formulary* 1997;32:926-43.

Beringer PM, Rho JP. Is routine measurement of free phenytoin concentrations rational? [letter] *Therapeutic Drug Monitoring*. 1995;17:381-2.

Non Peer Reviewed Journals

Nguyen T, Louie SG, **Beringer PM**, Gill MA. Potential role of macrolide antibiotics in the management of cystic fibrosis lung disease. *Curr Opinion Pulm Med* 2002;8:521-8.

Beringer PM. The clinical use of colistin in patients with cystic fibrosis. *Curr Opinion Pulm Med* 2001;7:434-40.

Beringer PM. Unusual microbiological flora in cystic fibrosis lungs: identification and therapy. *Curr Opinion Pulm Med* 2000;6:545-550.

Beringer PM. New Approaches to optimizing antimicrobial therapy in patients with cystic fibrosis. *Curr Opinion Pulm Med* 1999;5:371-77.

Beringer PM. Clinical Pharmacokinetics in the New Millenium. *Network News Bytes*, American Society of Health-System Pharmacists 1999;5:7.

Beringer PM. Management of pulmonary infections in cystic fibrosis *Pharmaguide to Clinical Medicine* 1998;11:1-6.

Beringer PM., Rho JP. Antibiotic dosing in patients receiving peritoneal dialysis. *Antibiotics for the Clinician* 1997;1:12-15.

BOOK CHAPTERS:

Beringer PM, Condren M. Cystic Fibrosis. In: Koda-Kimble M, Young L, eds. *Applied Therapeutics: The Clinical Use of Drugs*. Lippincott Williams & Wilkins. 12th edition 2021.

Han E, **Beringer PM.** Aminoglycosides In: Winter M, ed. Basic Pharmacokinetics. Lippincott Williams & Wilkins. 6th edition 2018.

Bensman T, Beringer PM. Vancomycin In: Winter M, ed. Basic Pharmacokinetics. Lippincott Williams & Wilkins. 6th edition 2018.

Beringer PM, Condren M. Cystic Fibrosis. In: Koda-Kimble M, Young L, eds. *Applied Therapeutics: The Clinical Use of Drugs*. Lippincott Williams & Wilkins. 11th edition 2016.

Beringer PM. Cystic Fibrosis in RxPrep 2015, 2016. **Beringer PM.** Pharmacokinetics in RxPrep 2015, 2016. **Beringer PM** Winter, ME. Clinical Pharmacokinetics In: Remingtons: The Science and Practice of Pharmacy. Lippincott Williams & Wilkins. 22nd edition 2012.

Beringer PM, Condren M. Cystic Fibrosis. In: Koda-Kimble M, Young L, eds. *Applied Therapeutics: The Clinical Use of Drugs*. Lippincott Williams & Wilkins. 10th edition 2012.

Middleton R, **Beringer PM**. Anaphylaxis and Systemic Drug Allergies. In: Koda-Kimble M, Young L, eds. *Applied Therapeutics: The Clinical Use of Drugs*. Lippincott Williams & Wilkins. 10th edition 2012.

Beringer PM. Aminoglycosides In: Winter M, ed. Basic Pharmacokinetics. Lippincott Williams & Wilkins. 5th edition 2009.

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Tim Bensman, Adupa P. Rao, **Paul Beringer**. Immunomodulatory effects of doxycycline in cystic fibrosis airway epithelial cells. American College of Clinical Pharmacy Annual Meeting, Anaheim, October 2009. Best student poster award.

Heather Owens, Adupa P. Rao, **Paul Beringer**. Effect of doxycyline on sputum biomarkers of inflammation in patients with cystic fibrosis. American College of Clinical Pharmacy Annual Meeting, Anaheim, October 2009.

Nicholas Mordwinkin, Purush Rao, Jeonghoon Anh, **Paul Beringer.** Effect of key pharmacological therapies on pulmonary function in adult patients with cystic fibrosis. American Society of Health System Pharmacists Annual Meeting, Anaheim, December 2006.

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Aminimanizani A, **Beringer PM**. Pharmacokinetics of once-daily tobramycin in an adult cystic fibrosis population. ASHP Midyear Clinical Meeting. Orlando, Florida. December 1999 and *Fourteenth Annual North American Cystic Fibrosis Conference*. Baltimore, Maryland. November, 2000.

Aminimanizani A, Scott C, Synold T, **Beringer PM**. Development of a population pharmacokinetic model and optimal sampling times for ibuprofen in patients with cystic fibrosis. *ACCP Spring Forum*. Monterey, CA. April 2000.

Runner-up, best student/resident/fellow competition-ACCP

Beringer PM, Vinks, S, Jelliffe RW, Shapiro BJ. Evaluation of the genotypic variation in aminoglycoside pharmacokinetics in an adult cystic fibrosis population. *Thirteenth Annual North American Cystic Fibrosis Conference*. Seattle, Washington. October, 1999 [abstract 342].

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Beringer PM, Wong-Beringer A, Rho JP. Predictive performance of a vancomycinaminoglycoside population model. *1996 Annual Meeting American College of Clinical Pharmacy.* Nashville, Tennessee. August 4-7, 1996.

Beringer PM, Ulrich R, Rho JP. Evaluation of Therapeutic Drug Concentration Scheduling and Reporting. *30th Annual ASHP Midyear Clinical Meeting*. Las Vegas, Nevada. December 1995.

Beringer PM, Winter ME. An integrated package of pharmacokinetic programs for a hand-held pocket calculator. *27th Annual ASHP Midyear Clinical Meeting*. Orlando, Florida. December 1992.

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Beringer PM, Winter ME. Influence of intensive care stay on creatinine excretion. *11th Annual Western States Conference for Pharmacy Residents and Preceptors*. Pacific Grove, California. 1991.

INVITED LECTURES/SEMINARS

AUC vs trough level monitoring for vancomycin therapy. North American Cystic Fibrosis Conference. Orlando, FL. November 2016.

Novel biomarkers for early detection of aminoglycoside-induced acute kidney injury in CF. North American CF Conference. November 2013. Salt Lake City, UT. Management of antibiotic drug allergies in patients with CF. Pulmonary and Critical Care Medicine. USC, October 2013.

Choosing the right antibiotics for treatment of acute pulmonary exacerbations. Advanced practice nursing forum. North American Cystic Fibrosis Conference. November 2012. Orlando, CA.

Evidence Based Mediation Management of Patients with Allergic Asthma. 1 hour ACPE. HealthNet, Woodland Hills. 2-25-09 Medical Los Angeles, 3-11-09 Disease Management Strategies to Improve Respiratory Outcomes in Patients with Cystic Fibrosis.

MedImpact, San Diego. 1/13/2005 SFSHP, Encino. 6/8/2005 CEPA, Los Angeles. 7/20/2005 CEPA, Newport Beach. 8/31/2005 CSHP Annual, Anaheim. 10/21/2005 PCN, Sacramento. 11/1/2005. Current drug therapy issues in patients with cystic fibrosis. Wellpoint. 1 CEU ACPE. 6/2004 Rx Solutions. 1 CEU ACPE 9/2004

Tips for securing grant funding. ACCP Annual Meeting. 10/26/2004

Role of azithromycin in patients with CF. Laboratory of Applied pharmacokinetics workshop. 1 hour. 7/2004

Pharmacokinetics of linezolid during continuous enteral feeding in hospitalized patients. Laboratory of Applied pharmacokinetics workshop. 1 hour. 7/2004

PK/PD optimization of antibiotic therapy in patients with cystic fibrosis. School of Pharmacy, University of Oslo, Norway. October 2002.

Immune modulating effects of macrolides: Potential role in cystic fibrosis. Infectious disease grand rounds. LAC+USC Medical Center, September 2002.

Role of aerosolized antibiotics in the treatment of pulmonary infections. Medical center grand rounds:

USC Department of Pulmonary and Critical Care Medicine, February 2002 Womens and Childrens Hospital LAC+USC, April 2001 Pediatric Medicine, Kaiser Panorama City, May 2001 UCSD Department of Pharmacy, December 2001 UCLA Department of Pulmonary and Critical Care Medicine, December 2001 Childrens Hospital, Los Angeles. December 2000

Once-daily aminoglooside dosing in patients with cystic fibrosis. North American Cystic Fibrosis Conference. November 2001.

Optimizing aerosolized antimicrobial therapy in patients with cystic fibrosis: Role of the Pharmacist. ASHP Midyear Clinical Meeting. December 2000.

Pharmacokinetics of ciprofloxacin in adult cystic fibrosis patients. Laboratory for Applied Pharmacokinetics workshop. USC Health Sciences Campus, Los Angeles, CA November 2000. Pharmacokinetic considerations in the elderly. Geriatric certification preparatory course. UCLA School of Medicine. September 2000. [2 ACPE credits].

Therapeutic drug monitoring in the new millenium. Memorial Medical Center, Modesto, CA. April 2000.

Development of a population pharmacokinetic model and optimal sampling times for ibuprofen in children with cystic fibrosis. Laboratory for Applied Pharmacokinetics Workshop, USC Health Sciences Campus, Los Angeles, CA. March 2000

Management of antibacterial resistance in cystic fibrosis. Patient Care Day. USC Cystic Fibrosis Center. Los Angeles, California, March 1999.

Pharmacokinetics of HBIG in Liver Transplant Recipients with Chronic Hepatitis B. Liver Service Grand Rounds. USCUH. March 1998

Pharmacological Management of Cystic Fibrosis Lung Disease. Respiratory Therapy Continuing Education Seminar. USCUH. December 1997, February 1998.

Dosage Adjustment in Patients with Changing Renal Function: Chasing a Moving Target? Clinical Pearls Presentation. ASHP Midyear Clinical Meeting. Atlanta, Georgia. December 1997.

Population PK/PD Modeling and New Methods for Model-Based, Goal-Oriented, Individualized Drug Therapy. Pre-ACCP Workshop. Phoenix, Arizona. November 1997.

Optimizing Antimicrobial Therapy: The Role of Pharmacokinetics/Pharmacodynamics. Postgraduate Education Program. University of Southern California School of Pharmacy. Las Vegas, Nevada. [1 ACPE credit] March 1996

Diabetes And Patient Education. Complications Of Diabetes Mellitus. California Pharmacists Association. Burlingame, California. [1 ACPE credit] March 1993. Quinolones In The Treatment Of Chronic Osteomyelitis. Pharmacy grand rounds. University of California San Francisco. San Francisco, California. March 1991