

Angela DM Kashuba, BScPhm, PharmD, DABCP, FCP

Eshelman School of Pharmacy
100 Beard Hall
CB 7355, 301 Pharmacy Lane
The University of North Carolina
Chapel Hill, North Carolina
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EDUCATION

- July 1993 – June 1995* **Doctor of Pharmacy**
State University of New York at Buffalo
Department of Pharmacy Practice
Amherst, New York
- September 1986 – June 1990* **Bachelor of Science in Pharmacy**
University of Toronto
Faculty of Pharmacy
Toronto, Ontario, Canada

LICENSURE

- Licensed Pharmacist Ontario, Canada #108812
1990 to Present
- Diplomat American Board of Clinical Pharmacology
2001 to Present

POST-GRADUATE TRAINING

- October 2000 – October 2002* **UNC Faculty Scholar**
Building Interdisciplinary Research Careers in Women's Health
NIH K30 Mentored Research Grant
PI: Eugene Orringer, MD
Mentor: Myron Cohen, MD
- July 1995 – July 1997* **Clinical Pharmacology Research Fellow**
Attending, Clinical Pharmacology Consult Service
Bassett Healthcare
Clinical Pharmacology Research Center
Co-Directors: Joseph S. Bertino Jr., Pharm.D.
 Anne N. Nafziger, M.D., M.H.S.
- June 1990 – June 1991* **Pharmacy Practice Resident (CSHP Accredited)**
University of Toronto, Faculty of Pharmacy
Women's College Hospital
60 Grenville Street, Toronto, Ontario

PROFESSIONAL EXPERIENCE - PRESENT

- October 2019 – Present* **Dean**
UNC Eshelman School of Pharmacy
The University of North Carolina
Chapel Hill, North Carolina
- October 2019 – Present* **John A. and Margaret P. McNeill, Sr. Distinguished Professor**
Eshelman School of Pharmacy
The University of North Carolina
Chapel Hill, North Carolina
- June 2012 – Present* **Adjunct Professor**
Department of Medicine, School of Medicine
The University of North Carolina
Chapel Hill, North Carolina
- November 2011 – Present* **Professor of Pharmacy**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy,
The University of North Carolina
Chapel Hill, North Carolina
- July 2004 – Present* **Director**
Clinical Pharmacology and Analytical Chemistry Core
UNC Center for AIDS Research (NIAID P30)
The University of North Carolina
Chapel Hill, North Carolina

PROFESSIONAL EXPERIENCE - PAST

- September 2015 – 2020* **Associate Research Director, Resource Laboratory Network Director**
K12 Building Interdisciplinary Research Careers in Women's Health
The University of North Carolina
Chapel Hill, North Carolina
- April 2012 – October 2019* **John A. and Deborah S. McNeill Jr Distinguished Professor**
Eshelman School of Pharmacy
The University of North Carolina
Chapel Hill, North Carolina
- July 2015 – July 2019* **Chair**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy
The University of North Carolina
Chapel Hill, North Carolina
- July 2011 – July 2019* **Co-Director**
Clinical Pharmacology Fellowship Program (T32 NIGMS and NICHHD)

The University of North Carolina and Duke University
Chapel Hill and Durham, North Carolina

- July 2011 – December 2016* **Director**
Preclinical and Clinical Pharmacology Core
Martin Delaney Collaboratory to Eradicate HIV-1 Infection (U19
NIAID)
The University of North Carolina
Chapel Hill, North Carolina
- November 2011 – July 2015* **Vice Chair for Research and Graduate Education**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy
The University of North Carolina
Chapel Hill, North Carolina
- July 2003 – November 2011* **Associate Professor of Pharmacy**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy,
The University of North Carolina
Chapel Hill, North Carolina
- January 2006 – July 2008* **Director**
Verne S Caviness General Clinical Research Center Analytical
Laboratory
University of North Carolina at Chapel Hill
Chapel Hill, NC
- April 2004 – July 2006* **Director**
Cellular Metabolism and Transport Core
School of Pharmacy, UNC-CH
- July 2004 – July 2006* **Divisional Director of Graduate Studies**
Pharmacotherapy and Experimental Therapeutics
School of Pharmacy, UNC-CH
- January 2004 – December 2005* **Director**
University of North Carolina ACTG Pharmacology Support
Laboratory
- October 1999 – December 2005* **Pharmacologist**
UNC AIDS Clinical Trials Unit
The University of North Carolina
Chapel Hill, North Carolina
- July 1999 – July 2004* **Associate Director**
Pharmacology Core, UNC Center for AIDS Research
The University of North Carolina
Chapel Hill, North Carolina
- July 1997 – July 2003* **Assistant Professor of Pharmacy**
School of Pharmacy, Division of Pharmacotherapy
CB #7360, Beard Hall
The University of North Carolina

Chapel Hill, North Carolina
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February 1995 – July 1995

Poison Information Specialist

Western New York Poison Control Center
Children's Hospital of Buffalo
219 Bryant Street, Buffalo, New York, 14222

August 1991 – May 1993

Critical Care Pharmacist

**Critical Care Preceptor, Pharmacy Students/Residents
Co-Editor, Hospital Formulary Manual**

Department of Pharmacy
Mount Sinai Hospital
600 University Avenue, Toronto, Ontario

July 1990 – June 1991

Oncology Pharmacist

Department of Pharmacy
Mount Sinai Hospital
600 University Avenue, Toronto, Ontario

May 1989 – September 1989

Registered Pharmacy Student

Etobicoke General Hospital
Department of Pharmacy
101 Humber College Boulevard, Etobicoke, Ontario

May 1988 – September 1988

Medical Research Council Scholar

University of Toronto
Faculty of Pharmacy Research Laboratories
19 Russell Street, Toronto, Ontario

HONORS AND AWARDS

- 2021:** 1. *Charles Boucher Memorial Lecture*, Virology Education, Contribution of Pharmacology to an HIV Cure, Inaugural Lecture September 2021
- 2020:** 1. American Society for Clinical Pharmacology and Therapeutics, *Rawls–Palmer Progress in Medicine Award*, ASCPT 2020 Annual Meeting, ASCPT 2020 Annual Meeting.
- 2019:** 1. *Voices of Discovery Featured Speaker*, Elon University, September 17, 2019
- 2018:** 1. American Society for Clinical Pharmacology and Therapeutics, *Featured Speaker* Annual Meeting, Washington March 22, 2018
- 2017:** 1. American College of Clinical Pharmacology *Honorary Fellowship Award* (FCP), September 2017
2. American College of Clinical Pharmacy *Therapeutic Frontiers Lecture Award*, October 2017
3. Society of Infectious Diseases Pharmacists' *Pharmacotherapy Paper of the Year*, 2016-2017 (*The Journal of Infectious Diseases* 2016; 214:55–64)
4. *Three Minute Thesis Competition*, for Aaron Devanathan, Graduate Student, People's Choice Award

- 2016:** 1. *AFPE Pre-doctoral Fellowship* for Corbin Thompson, Graduate Student
2. *AFPE Pre-doctoral Fellowship* for Nithya Srinivas, Graduate Student
3. *AFPE Gateway Research Scholarship* for Ashlyn Norris, PY1 Pharmacy Student
4. *ASCPT 2017 Presidential Trainee Award* for Corbin Thompson, Graduate Student.
- 2015:** 1. *ASCPT 2016 Presidential Trainee Award*, for Nithya Srinivas, Graduate Student
2. *Young Investigator Scholarship* for Corbin Thompson, PharmD, PhD Candidate, Conference on Retroviruses and Opportunistic Infections, 2016
- 2014:** 1. *AFPE Pre-doctoral Fellowship* for Corbin Thompson, Graduate Student
- 2013:** 1. *UNC Chapel Hill Institute for the Arts and Humanities Academic Leadership Fellow* for 2013-2014
2. *Young Investigator Award* for Melanie Nicol, PharmD, PhD Candidate, Conference on Retroviruses and Opportunistic Infections, 2014
- 2012:** 1. *Conference-Sponsored Investigator Award* for graduate student Melanie Nicol, PharmD. GPEN 2012
- 2011:** 1. 1 of 11 women scientists featured on the “Women in Biomedical Careers” NIH Website (<http://womeninscience.nih.gov/>)
- 2010:** 1. *Young Investigator Award* for Fellow Kevin Brown, PharmD, Conference on Retroviruses and Opportunistic Infections
2. *UNC Summer Undergraduate Research Fellowship Award* to Allison Hastings, BS Candidate
- 2009:** 1. *Leon I. Goldberg Young Investigator Award*, American Society for Clinical Pharmacology and Therapeutics.
2. *F.O. Bowman Award*, for Allison L Pecha, PharmD Candidate, Best UNC Honors Program Paper
- 2008:** 1. *Rho Chi Honors Research Scholarship* for Kevin Brown, Academic Fellow
- 2007:** 1. *Pam Herriott Award* for Outstanding Service, UNC-CH Department of Infectious Diseases
- 2006:** 1. *ACCP Infectious Diseases Fellowship Award* for Julie Dumond, Academic Fellow
2. *ACCP ID PRN Minisabbatical* awarded to ADM Kashuba (Mentor, Alan Forrest)
3. *Young Investigator Award* for Fellow Manoli Vourvahis, Pharm.D., Conference on Retroviruses and Opportunistic Infections
- 2005:** 1. *Young Investigator Award* for Fellows Julie Dumond, PharmD, and Manoli Vourvahis, Pharm.D., Conference on Retroviruses and Opportunistic Infections
2. Paper of the Year, Society of Infectious Diseases Pharmacists, for **Kashuba ADM, Tierney C, Downey GF, Acosta EP, Vergis EN, Klingman K, Mellors JW, Eshleman SH, Scott TR, Collier AC. Combining fosamprenavir with lopinavir/ritonavir substantially reduces amprenavir and lopinavir exposure: ACTG protocol A5143 results. AIDS 2005; 19:145-152**
3. *F.O. Bowman Award*, Carolina Molina Lowe, PharmD Candidate, Best UNC Honors Program Paper

- 2004:** 1. *Annual Bayer Research Fellowship Award* for Rosa Yeh, Research Fellow
 2. *Society of Infectious Diseases Pharmacists Fellowship Award* for Rosa Yeh, Research Fellow
 3. *F.O. Bowman Award*, Vincent Gaver, PharmD Candidate, Best UNC Honors Program Paper
- 2003:** 1. *AFPE Pre-doctoral Fellowship* for Mary Peace McRae, Graduate Student
 2. *F.O. Bowman Award*, Stephanie Burge Hollowell, PharmD Candidate, Best UNC Honors Program Paper
- 2002:** 1. *Hollingsworth Scholar for 2002-2004, School of Pharmacy, UNC-CH*
 2. *International AIDS Society Young Investigator Award for Clinical Sciences and Care* for Sherene Min, Infectious Diseases Fellow (Differential penetration of protease inhibitors and non-nucleoside reverse transcriptase inhibitors into the female genital tract. World AIDS Conference Poster)
 3. *AFPE Pre-doctoral Fellowship* for Mary Peace McRae, Graduate Student
 4. *ACCP Infectious Diseases Fellowship Award* for Amanda Corbett, Academic Fellow
- 2001:** 1. *Young Investigator of the Year*, Society for Infectious Diseases Pharmacists
- 2000:** 1. *UNC Faculty Scholar*, NIH Mentored Research Grant "Building Interdisciplinary Research Careers in Women's Health"
 2. *UNC Nominee*, George H. Hitchings New Investigator Award in Health Research and Training
- 1997:** 1. E. Donnell Thomas Award for Research Excellence, Bassett Healthcare
- 1996:** 1. ASM Sustaining Member Student Travel Grant, ICAAC 1996
- 1995:** 1. Rho Chi Award for Academic Excellence
- 1994:** 1. Ciba-Geigy Award for Excellence in Pharmacotherapeutics
- 1990:** 1. First Class Honors, Bachelor of Science in Pharmacy
- 1988:** 1. Southerton Wadhams Scholarship for Academic Excellence
 2. Medical Research Council Scholarship
- 1987:** 1. Rokeah Centennial Scholarship for Academic Excellence

BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

PEER REVIEWED BOOK EDITOR (1):

1. A Practical Approach to Pharmacogenomics, McGraw Hill. Bertino JS Jr, **Kashuba ADM**, Fuhr U, Devane L, Ma J, eds. June 2012.

PEER REVIEWED BOOK CHAPTERS (18):

1. Andrews E and **Kashuba ADM**. Pharmacology of Antimicrobial Drug Resistance. *In* Antimicrobial Drug Resistance (2nd edition) Mechanisms of Drug Resistance, Volume 1. Mayer D (ed). Springer International Publishing AG, 2017.
2. Pai MP, Cottrell ML, **Kashuba ADM**, Bertino JS Jr. Pharmacokinetics and Pharmacodynamics of Antiinfective Agents. Chapter 19. Principals and Practice of Infectious Diseases. Mandell, Douglas, and Bennett (eds). Churchill Livingstone, 2013.
3. Heinene W, **Kashuba ADM**. HIV Prevention by Oral Pre-Exposure Prophylaxis. *In*, Human Immunodeficiency Virus, from Cold Spring Harbor Laboratory Press. Bushman F, Nabel G, Swanstrom R, editors. Copyright January 2012.
4. Adams J, Corbett AH, Dumond J, **Kashuba ADM**. Human Immunodeficiency Virus Infection. *In*, Pharmacotherapy Principals and Practices, McGraw-Hill. DiPiro and Rotschafer, eds. Copyright January 2012.
5. Adams J, Dumond J, **Kashuba ADM**. Human Immunodeficiency Virus Infection. *In Applied Therapeutics, The Clinical Use of Drugs*. Koda-Kimble and Young (eds), Lippincott, Williams, and Wilkins, copyright 2011.
6. Brown K, **Kashuba ADM**. Mechanisms of Drug Interactions, *in Drug Interactions in Infectious Diseases*, Third Edition. Piscitelli S and Rodvold K, (eds), Humana Press 2011.
7. Corbett AH, Yeh RF, Dumond J, **Kashuba ADM**. Human Immunodeficiency Virus Infection. *In*, Pharmacotherapy Principals and Practices, McGraw-Hill. DiPiro and Rotschafer, eds. Jan 2009.
8. Gay C, **Kashuba ADM**, Cohen MS. Using Antiretroviral Therapy for Prevention. *In*, HIV Prevention: A Comprehensive Approach. HF Pizer and KH Mayer, eds. Nov 2008.
9. Dumond J, **Kashuba ADM**. Human Immunodeficiency Virus Infection. *In Applied Therapeutics, The Clinical Use of Drugs*. Koda-Kimble and Young (eds), Lippincott, Williams, and Wilkins, 2008.
10. Corbett AH, Yeh RF, Dumond J, **Kashuba ADM**. Human Immunodeficiency Virus Infection. *In*, Pharmacotherapy Principals and Practices, McGraw-Hill. DiPiro and Rotschafer, eds. Jan 2007.
11. **Kashuba ADM**, Bertino JS Jr. Mechanisms of Drug Interactions, *in Drug Interactions in Infectious Diseases*, Second Edition. Piscitelli S and Rodvold K, (eds), Humana Press 2004.

**Winner, 2008 American Medical Writers Association Award
Medical Book Healthcare Professionals Category**

12. **Kashuba ADM**, Park JJ, Persky AM, Brouwer KR. Drug Metabolism, Transport and the Influence of Hepatic Disease, in *Applied Pharmacokinetics, Principals of Therapeutic Drug Monitoring*. Fourth Edition. Evans WE, Schentag JJ, Jusko WJ (eds), Applied Therapeutics, Inc. Vancouver, WA 2004.
13. Catanzaro L, **Kashuba A**, Corbett A, Shafer R, Hewitt RG, Acosta E, and Morse GD. HIV-1 Protease Inhibitors, in *Antimicrobial Therapy and Vaccines*, Vol. II. Yu VL, et al. (eds), New York: Apple Trees Production, 2004.
14. Amsden G, Ballow C, Bertino Jr J, **Kashuba ADM**. Pharmacokinetics and Pharmacodynamics of Antiinfective Agents. In *Principals and Practices of Infectious Diseases*. Mandell, Bennett, Dolin (eds). Churchill Livingstone, 2004.
15. **Kashuba ADM** and Robinson M. Opportunistic Infections in HIV Patients. In *Applied Therapeutics, The Clinical Use of Drugs*. Koda-Kimble and Young (eds), Lippincott, Williams, and Wilkins, 2004.
16. Cohen MS, Hosseinipour M, **Kashuba ADM**, Butera S. Use of Antiretroviral Drugs to Prevent Transmission of HIV. In *Current Clinical Topics in Infectious Disease*, Remington JS and Swartz M (eds), Blackwell Science, Incorporated 2001.
17. Ozdemir V, **Kashuba ADM**, Basile VS, Kennedy JL. Pharmacogenetics of psychotropic drug metabolism: Clinical Relevance, Gene-Environment interactions and Future Research Directions. in *Pharmacogenetics Of Psychotropic Drugs*, Lerer B (ed), Cambridge University Press 2001.
18. **Kashuba ADM**, Bertino JS Jr. Mechanisms of Drug Interactions, in *Drug Interactions in Infectious Diseases*, Piscitelli S and Rodvold K, (eds), Humana Press 2000.

REFEREED MANUSCRIPTS (279):

1. Lyerly AD, Beigi R, Bekker LG, Chi BH, Cohn SE, Diallo DD, Eron J, Faden R, Jaffe E, **Kashuba A**, Kasule M, Krubiner C, Little M, Mfustso-Bengo J, Mofenson L, Mwapasa V, Mworeko L, Myer L, Penazzato M, Rid A, Shapiro R, Singh JA, Sullivan K, Vicari M, Wambui J, White A, Wickremsinhe M, Wolf L. Ending the evidence gap for pregnancy, HIV and co-infections: ethics guidance from the PHASES project. *J Int AIDS Soc.* 2021 Dec;24(12):e25846. doi: 10.1002/jia2.25846. PMID: 34910846; PMCID: PMC8673925.
2. Flexner CW, **Kashuba A**. Editorial: New drugs for HIV: quo vadis? *Curr Opin HIV AIDS.* 2022 Jan 1;17(1):1-3. doi: 10.1097/COH.0000000000000710. PMID: 34871186.
3. Scholz EMB, Cao Y, **Kashuba ADM**. A cross-species comparison of antiretroviral penetration into lymph nodes using novel physiologically based pharmacokinetic models. *J Antimicrob Chemother.* 2021 Oct 11;76(11):2890-2893. doi: 10.1093/jac/dkab298. PMID: 34374767; PMCID: PMC8783597.
4. Maturavongsadit P, Shrivastava R, Sykes C, Cottrell ML, Montgomery SA, **Kashuba ADM**, Rahima Benhabbour S. Biodegradable polymeric solid implants for ultra-long-acting delivery of single or multiple antiretroviral drugs. *Int J Pharm.* 2021 Jul 1;605:120844. doi: 10.1016/j.ijpharm.2021.120844. Epub ahead of print. PMID: 34216767.
5. Khatri R, Fallon JK, Sykes C, Kulick N, Rementer RJB, Miner TA, Schauer AP, **Kashuba ADM**, Boggess KA, Brouwer KLR, Smith PC, Lee CR. Pregnancy-Related Hormones Increase UGT1A1-Mediated Labetalol Metabolism in Human Hepatocytes. *Front Pharmacol.* 2021 Apr 15;12:655320. doi: 10.3389/fphar.2021.655320. PMID: 33995076; PMCID: PMC8115026.
6. Scholz EMB, Mwangi JN, De la Cruz G, Nekorchuk M, Chan CN, Busman-Sahay K, Adamson L, Luciw P, Fedoriw Y, Estes JD, Rosen EP, **Kashuba ADM**. Quantitative Imaging Analysis of the Spatial Relationship between Antiretrovirals, Reverse Transcriptase Simian-Human Immunodeficiency Virus RNA, and Collagen in the Mesenteric Lymph Nodes of Nonhuman Primates. *Antimicrob Agents Chemother.* 2021 May 18;65(6):e00019-21. doi: 10.1128/AAC.00019-21. PMID: 33782003.
7. Tran L, Nikanjam M, Capparelli EV, Bertino JS Jr, Nafziger AN, **Kashuba ADM**, Turpault S, Ma JD. S-warfarin limited sampling strategy with a population pharmacokinetic approach to estimate exposure and cytochrome P450 (CYP) 2C9 activity in healthy adults. *Eur J Clin Pharmacol.* 2021 Mar 23. doi: 10.1007/s00228-021-03123-y. Epub ahead of print. PMID: 33754183.
8. Scholz EMB, **Kashuba ADM**. The Lymph Node Reservoir: Physiology, HIV Infection, and Antiretroviral Therapy. *Clin Pharmacol Ther.* 2021 Apr;109(4):918-927. doi: 10.1002/cpt.2186. Epub 2021 Feb 28. PMID: 33529355; PMCID: PMC8005487.
9. Devanathan AS, **Kashuba ADM**. Human Immunodeficiency Virus Persistence in the Spleen: Opportunities for Pharmacologic Intervention. *AIDS Res Hum Retroviruses.* 2021 Feb 22. doi: 10.1089/AID.2020.0266. Epub ahead of print. PMID: 33499746.
10. Khatri R, Kulick N, Rementer RJB, Fallon JK, Sykes C, Schauer AP, Malinen MM, Mosedale M, Watkins PB, **Kashuba ADM**, Boggess KA, Smith PC, Brouwer KLR, Lee CR. Pregnancy-Related Hormones Increase Nifedipine Metabolism in Human Hepatocytes by Inducing CYP3A4 Expression. *J Pharm Sci.* 2021 Jan;110(1):412-421. doi: 10.1016/j.xphs.2020.09.013. Epub 2020 Sep 12. PMID: 32931777; PMCID: PMC7750305.

11. Kleinman AJ, Xu C, Cottrell ML, Sivanandham R, Brocca-Cofano E, Dunsmore T, **Kashuba A**, Pandrea I, Apetrei C. Pharmacokinetics and Immunological Effects of Romidepsin in Rhesus Macaques. *Front Immunol*. 2020 Dec 11;11:579158. doi: 10.3389/fimmu.2020.579158. PMID: 33362765; PMCID: PMC7759686.
12. Hanafin PO, Jermain B, Hickey AJ, Kabanov AV, **Kashuba AD**, Sheahan TP, Rao GG. A Mechanism-based Pharmacokinetic Model of Remdesivir Leveraging Interspecies Scaling to Simulate COVID-19 Treatment in Humans. *CPT Pharmacometrics Syst Pharmacol*. 2020 Dec 9. doi: 10.1002/psp4.12584. Epub ahead of print. PMID: 33296558.
13. Stern ST, Stevens DM, Adiseshaiah P, Dasa SSK, Potter TM, Skoczen SL, Snapp KS, Cedrone E, Patel N, Busman-Sahay K, Rosen EP, Sykes C, Cottrell M, Dobrovolskaia MA, Estes JD, **Kashuba ADM**. Application of a scavenger receptor a1-targeted polymeric prodrug platform for lymphatic drug delivery in HIV. *Molecular Pharmaceutics*. 2020;17(10):3794-812. doi: 10.1021/acs.molpharmaceut.0c00562.
14. Imaz A, Tiraboschi JM, Niubó J, Martinez-Picado J, Cottrell ML, Domingo P, Chivite I, Negro E, Schauer A, Van Horne B, Morenilla S, Urrea V, Silva-Klug A, Scevola S, Garcia B, **Kashuba ADM**, Podzamczek D. Dynamics of the decay of HIV RNA and distribution of bictegavir in the genital tract and rectum in antiretroviral-naïve HIV-1-infected adults treated with bictegavir/emtricitabine/tenofovir alafenamide (Spanish HIV/AIDS Research Network, PreEC/RIS 58). *Clin Infect Dis*. 2020 Sep 18:ciaa1416. doi: 10.1093/cid/ciaa1416. Epub ahead of print. PMID: 32945851.
15. Stevens DM, Adiseshaiah P, Dasa SSK, Potter TM, Skoczen SL, Snapp KS, Cedrone E, Patel N, Busman-Sahay K, Rosen EP, Sykes C, Cottrell M, Dobrovolskaia MA, Estes JD, **Kashuba ADM**, Stern ST. Application of a Scavenger Receptor A1-Targeted Polymeric Prodrug Platform for Lymphatic Drug Delivery in HIV. *Mol Pharm*. 2020 Oct 5;17(10):3794-3812. doi: 10.1021/acs.molpharmaceut.0c00562. Epub 2020 Sep 9. PMID: 32841040.
16. Gay CL, Neo DT, Devanathan AS, Kuruc JD, McGee KS, Schmitz JL, Sebastian J, Shaheen NJ, Ferrari G, McKellar M, Fiscus SA, Hicks CB, Robertson K, **Kashuba ADM**, Eron JJ, Margolis DM. Efficacy, pharmacokinetics and neurocognitive performance of dual, NRTI-sparing antiretroviral therapy in acute HIV-infection. *AIDS*. 2020 Nov 1;34(13):1923-1931. doi: 10.1097/QAD.0000000000002652. PMID: 32773474; PMCID: PMC7541775.
17. Devanathan AS, Fallon JK, White NR, Schauer AP, Van Horne B, Blake K, Sykes C, Kovarova M, Adamson L, Remling-Mulder L, Luciw P, Garcia JV, Akkina R, Pirone JR, Smith PC, **Kashuba ADM**. Antiretroviral Penetration and Drug Transporter Concentrations in the Spleens of Three Preclinical Animal Models and Humans. *Antimicrob Agents Chemother*. 2020 Sep 21;64(10):e01384-20. doi: 10.1128/AAC.01384-20. PMID: 32661005; PMCID: PMC7508597.
18. Gilliland WM, White NR, Yam BH, Mwangi JN, Prince HMA, Weideman AM, **Kashuba ADM**, Rosen EP. Influence of hair treatments on detection of antiretrovirals by mass spectrometry imaging. *Analyst*. 2020 Jul 7;145(13):4540-4550. doi: 10.1039/d0an00478b. Epub 2020 May 18. PMID: 32420552.
19. Khandelwal P, Fukuda T, Teusink-Cross A, **Kashuba ADM**, Lane A, Mehta PA, Marsh RA, Jordan MB, Grimley MS, Myers KC, Nelson AS, El-Bietar J, Chandra S, Blessing JJ, Krupski MC, Davies SM. CCR5 inhibitor as novel acute graft versus host disease prophylaxis in children and young adults undergoing allogeneic stem cell transplant:

results of the phase II study. *Bone Marrow Transplant*. 2020 Aug;55(8):1552-1559. doi: 10.1038/s41409-020-0888-3. Epub 2020 Apr 9. PMID: 32273585.

20. Konicki R, Weiner D, Herbert Patterson J, Gonzalez D, **Kashuba A**, Cao YC, Gehi AK, Watkins P, Powell JR. Rivaroxaban Precision Dosing Strategy for Real-World Atrial Fibrillation Patients. *Clin Transl Sci*. 2020 Jul;13(4):777-784. doi: 10.1111/cts.12766. Epub 2020 May 7. PMID: 32267996; PMCID: PMC7359950.
21. Mavigner M, Habib J, Deleage C, Rosen E, Mattingly C, Bricker K, **Kashuba A**, Amblard F, Schinazi RF, Lawson B, Vanderford TH, Jean S, Cohen J, McGary C, Paiardini M, Wood MP, Sodora DL, Silvestri G, Estes J, Chahroudi A. Correction for Mavigner et al., "Simian Immunodeficiency Virus Persistence in Cellular and Anatomic Reservoirs in Antiretroviral Therapy-Suppressed Infant Rhesus Macaques". *J Virol*. 2020 Mar 31;94(8):e01742-19. doi: 10.1128/JVI.01742-19. Erratum for: *J Virol*. 2018 Aug 29;92(18): Erratum for: *J Virol*. 2019 Jan 17;93(3): PMID: 32234801; PMCID: PMC7108840.
22. Lee SA, Telwatte S, Hatano H, **Kashuba ADM**, Cottrell ML, Hoh R, Liegler TJ, Stephenson S, Somsouk M, Hunt PW, Deeks SG, YuKL S, Savic RM. Antiretroviral Therapy Concentrations Differ in Gut vs. Lymph Node Tissues and Are Associated With HIV Viral Transcription by a Novel RT-ddPCR Assay. *J Acquir Immune Defic Syndr*. 2020 Apr 15;83(5):530-537. doi: 10.1097/QAI.0000000000002287. PubMed PMID: 32168200.
23. Melody K, Roy CN, Kline C, Cottrell ML, Evans D, Shutt K, Pennings PS, Keele BF, Bility M, **Kashuba ADM**, Ambrose Z. Long-acting rilpivirine (RPV LA) pre-exposure prophylaxis does not inhibit vaginal transmission of RPV-resistant HIV-1 nor select for high frequency drug resistance in humanized mice. *J Virol*. 2020 Jan 22. pii: JVI.01912-19. doi: 10.1128/JVI.01912-19. [Epub ahead of print] PubMed PMID: 31969438.
24. Hill LM, Golin CE, Pack A, Carda-Auten J, Wallace DD, Cherkur S, Farel CE, Rosen EP, Gandhi M, Asher Prince HM, **Kashuba ADM**. Using Real-Time Adherence Feedback to Enhance Communication About Adherence to Antiretroviral Therapy: Patient and Clinician Perspectives. *J Assoc Nurses AIDS Care*. 2020 Jan-Feb;31(1):25-34. doi: 10.1097/JNC.000000000000089. PubMed PMID: 31033629; PubMed Central PMCID: PMC6815236.
25. Devanathan AS, Pirone JR, Akkina R, Remling-Mulder L, Luciw P, Adamson L, Garcia JV, Kovarova M, White NR, Schauer AP, Blake K, Sykes C, Burgunder EM, Srinivas N, Rosen EP, **Kashuba ADM**. Antiretroviral Penetration across Three Preclinical Animal Models and Humans in Eight Putative HIV Viral Reservoirs. *Antimicrob Agents Chemother*. 2019 Dec 20;64(1). pii: e01639-19. doi:10.1128/AAC.01639-19. Print 2019 Dec 20. PubMed PMID: 31611355.
26. Sainz T, Serrano-Villar S, Mann S, Ma ZM, Utay NS, Thompson CG, Chun TW, **Kashuba AD**, Siewe B, Albanese A, Troia-Cancio P, Sinclair E, Somasunderam A, Yotter T, Moreno S, Pollard RB, Landay A, Miller CJ, Asmuth DM. Delayed gastrointestinal-associated lymphoid tissue reconstitution in duodenum compared with rectum in HIV-infected patients initiating antiretroviral therapy. *AIDS*. 2019 Dec 1;33(15):2289-2298. doi: 10.1097/QAD.0000000000002361. PubMed PMID: 31764094; PubMed Central PMCID: PMC6905119.
27. Cottrell ML, Prince HMA, Schauer AP, Sykes C, Maffuid K, Poliseno A, Chun TW, Huiting E, Stanczyk FZ, Peery AF, Dellon ES, Adams JL, Gay C, **Kashuba ADM**. Decreased Tenofovir Diphosphate Concentrations in a Transgender Female Cohort: Implications for Human Immunodeficiency Virus Preexposure Prophylaxis. *Clin Infect*

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NON-REFEREED MANUSCRIPTS:

Dumond JB, Roland M, **Kashuba ADM**. Understanding Primary and Secondary HIV Prophylaxis – Part I: Non-occupational Post-Exposure Prophylaxis and Antiretroviral Pharmacokinetics in the Male and Female Genital Tract. *The PRN Notebook* 2006; 11(2):10-16.

WEB PAGES/ELECTRONIC MEDIA (CME/CPE Credit):

Garrett K, Pope R, **Kashuba A**. Hangouts with HIVE: Pharmacokinetics of HIV Pre-exposure Prophylaxis. HIVE (Bay Area Perinatal AIDS Center). University of California at San Francisco, National Webcast, April 12, 2016

Kashuba ADM. Clinical Pearl: Managing Drug-Drug Interactions in Aging HIV-Infected Patients. Stay Tuned: Evolving Concepts in Antiretroviral Therapy Edition 6. Feb 2009. (<http://www.clinicaloptions.com/HIV/Treatment%20Updates/Stay%20Tuned/Volume%201%20Edition%206.aspx>)

Kashuba, ADM. DHHS Guidelines for the Use of Antiretroviral Agents in Patients with HIV Infection. in Boosting Adherence and Managing Antiretroviral Drug Adverse Events: The Role of the Community Pharmacist. University of Tennessee Advanced Studies in Pharmacy. June 2008. (CPE Credit Program)
([http://www.utasip.com/template.cfm?TEMPLATE=include_programinfo.cfm&ID=85&ZoneID=8&TYPE=text&pageName=Volume%205.%20\(4\)%20Content](http://www.utasip.com/template.cfm?TEMPLATE=include_programinfo.cfm&ID=85&ZoneID=8&TYPE=text&pageName=Volume%205.%20(4)%20Content))

Kashuba, ADM. Use of Pharmacokinetic Enhancement in Antiretroviral Treatment-Experienced HIV Patients. Enduring CME Program from ICAAC 2005, Management of Treatment-Experienced Patients (<http://www.medscape.com/viewprogram/5036>)

Yeh R, Tappouni H, **Kashuba ADM**. Drug information: Delavirdine, Amprenavir, Atazanavir, Indinavir, Nelfinavir, Ritonavir, Didanosine, Zalcitabine, Zidovudine 2004-2005
(<http://clinicaloptions.com/hiv/drugs/>)

Park J and **Kashuba ADM**. Drug information: Abacavir, Tenofovir, Lopinavir/ritonavir. 2004
(<http://clinicaloptions.com/hiv/drugs/drugs.asp>)

Cohen MS and **Kashuba ADM**. Antiretroviral Drugs and the Prevention of Sexual Transmission of HIV. Medscape CME 2003.
(<http://www.medscape.com/viewprogram/2671?mpid=19123>)

Park J and **Kashuba ADM**. Drug information: Stavudine, Nevirapine, Saquinavir. 2003
(<http://clinicaloptions.com/hiv/drugs/drugs.asp>)

Lim M and **Kashuba ADM**. Ask the Experts on...Heroin-Antiretroviral Drug interactions
(<http://www.medscape.com/medscape/HIV/AskExperts/2001/12/AIDS-ae152.html>)

Corbett A and **Kashuba ADM**. Ask the Experts on...Treatment of Nelfinavir-Associated Diarrhea? 2001. (<http://www.medscape.com/medscape/HIV/AskExperts/2001/12/AIDS-ae152.html>)

Kashuba ADM. Ask the Experts on . . .Protocol for Routine Therapeutic Drug Monitoring? 2001. (<http://www.medscape.com/medscape/HIV/AskExperts/2001/06/AIDS-ae129.html>)

Kashuba ADM. Ask the Experts on . . . Interactions Between Bupropion and Antiretrovirals?
2001. (<http://www.medscape.com/medscape/HIV/AskExperts/2001/06/AIDS-ae128.html>)

Kashuba ADM. Ask the Experts on . . . Food Effects on Protease Inhibitor Bioavailability?
2001. (<http://www.medscape.com/medscape/HIV/AskExperts/2001/10/AIDS-ae142.html>)

SELECTED INVITED ORAL PRESENTATIONS (118 of 199):

1. *Are YOU on the pill? Developing prevention strategies for HIV infection.*
Invited Lecture, Voices of Discovery Series
Elon University
Elon, NC
September 17, 2019
2. *Pharmacologic Measures of Adherence: Pitfalls and Promises*
Invited Lecture, Antiretrovirals for Prevention Conference
Emory Center for AIDS Research
Atlanta, GA
January 28-30, 2019
3. *Pharmacokinetics/Pharmacodynamics in Drug Development and Implications for Adolescents*
Invited Lecture, 2nd International Workshop on HIV Adolescence: Challenges and Solutions
Cape Town, South Africa
October 10, 2018
4. *The Impact of Clinical Pharmacology In HIV Cure Research*
Invited Lecture, American Society of Clinical Pharmacology and Therapeutics
Orlando, FL
March 22, 2018
5. *The Evolution of Precision Medicine in HIV Infection*
School of Pharmacy, Annual Pharmacy Practice Seminar
Madison, WI
February 9, 2018
6. *The Power of Clinical Pharmacology to Influence a Field*
American College of Clinical Pharmacology Honorary Fellowship Lecture
San Diego, CA
September 19, 2017
7. *The Evolution of Precision Medicine in HIV Infection*
American College of Clinical Pharmacy Therapeutic Frontiers Lecture
Phoenix, AZ
October 8, 2017
8. *Does Pharmacology Support Topical PrEP?*
International AIDS Society Conference
Paris, France
July 23-26, 2017
9. *Does Pharmacology Support On Demand PrEP?*

International AIDS Society Conference
Paris, France
July 23-26, 2017

10. *Do Tissue Concentrations Matter in HIV Prevention and Eradication?*
3rd Coast Center for AIDS Research Seminar Series
Chicago, IL
February 23, 2017
11. *The Pharmacology of PrEP*
HIV Endgame Annual Conference
Toronto, Ontario, Canada
October 24, 2016
12. *Location, Location, Location: Antiretroviral Pharmacology and Tissue Delivery of Antiretrovirals*
HIV Research for Prevention Annual Meeting
Chicago, IL
October 18, 2016
13. *Target Drug Concentrations in Tissue: What Do We Know?*
International Workshop on Clinical Pharmacology of HIV and Hepatitis Therapy
Baltimore, MD
June 8-10, 2016
14. *Should Tissues be Targeted for Developing HIV Prevention Strategies?*
HIV Scientific Input Engagement Program
Merck and Company
May 26, 2016
15. *Clinical Research: Developing a Successful and Funded Program*
Annual Infectious Diseases Pharmacotherapy Fellowship Forum.
Aspen, CO
May 19-22, 2016
16. *Hangouts with HIVE: Pharmacokinetics of HIV Pre-exposure Prophylaxis.*
HIVE (Bay Area Perinatal AIDS Center)
University of California at San Francisco
National Webcast
April 12, 2016
17. *Getting The Drug To Where It Needs To Be: Pharmacokinetic/Pharmacodynamic Evidence for Pre-Exposure Prophylaxis*
Office of AIDS Research Advisory Council
National Institutes of Health Office of AIDS Research
Rockville, MD
April 7, 2016
18. *Assessing Pre-Exposure Prophylaxis Evidence*
Consultation on Alternative Drug Options for Pre-Exposure Prophylaxis
World Health Organization/UNAIDS
Geneva, Switzerland
March 21-22, 2016

19. *Worlds Colliding: When Preparation Meets Opportunity*
Inaugural Address, 1st Research in Education and Practice Symposium
University of North Carolina Eshelman School of Pharmacy
Chapel Hill, NC
May 16, 2014
20. *Did We Put the Cart Before the Horse? Clinical Pharmacology Insights into HIV Prevention Trial Outcomes.*
27th International Conference on Antiviral research (ICAR)
Raleigh, NC
May 14, 2014
21. *Current and Future Approaches to Quantifying the Relationship Between Pharmacology and HIV Persistence*
6th International Workshop on HIV Persistence During Therapy
Miami, FL
December 5, 2013
22. *The Pharmacology of HIV Prevention: Where do we go next?*
CASE Seminar
Center for Drug Evaluation and Research, Food and Drug Administration:
Silver Spring, MD
November 20, 2013
23. *Antiretroviral Pharmacology in the Female Genital Tract*
Women's Interagency HIV Study Annual Meeting
Miami, FL
October 29, 2013
24. *The Pharmacology of HIV Prevention: Lessons Learned AND Reflections on training the next generation of translational scientists*
Department of Experimental and Clinical Pharmacology
College of Pharmacy, University of Minnesota
Minneapolis, MN
May 15, 2013
25. *Developing a Platform for Collaboration: The Influence of Clinical Pharmacology on HIV Prevention and Cure*
MD/PhD Program Seminar Series
UNC School of Medicine, Chapel Hill, NC
March 18, 2013
26. *Characterizing Mucosal Tissue Drug Penetration: Implications for HIV Prevention and Eradication*
GlaxoSmithKline HIV Discovery Performance Unit "HIV Day"
Research Triangle Park, NC
February 27, 2013
27. *Characterizing Drug Penetration into Tissues: Implications for HIV Eradication*
Martin Delaney Collaboratory for the Eradication of HIV Annual Meeting
NIAID, NIH
Washington, DC
November 30, 2012

28. *Development of a Mucosal Biopsy Challenge Model*
Biopsy Challenge as a Clinical Pharmacodynamic Biomarker for Clinical Efficacy of HIV Prevention: Practical Applications
NIH, NIAID, DAIDS, PSP, and The Bill and Melinda Gates Foundation
November 29, 2012
29. *Clinical Pharmacology of Antiretrovirals at Mucosal Surfaces*
NIH DAIDS Clinical Pharmacology Quality Assurance Program
Cross Network Scientific Laboratory Group
September 20, 2012
30. *Preclinical and Clinical Pharmacology of Antiretrovirals in HIV Prevention*
Aaron Diamond AIDS Research Center
New York, NY
September 19, 2012
31. *Drug Exposure and Correlates of Oral and Topical ARV Protection*
Microbicides and PrEP: Back to Basics Plenary
International AIDS Conference
Washington, DC
July 22-27, 2012
32. *Penetration of Antiretrovirals into Tissue Compartments*
HIV Eradication Think Tank
AIDS Clinical Trials Group Annual Meeting
Washington, DC
July 18, 2012
33. *Pharmacologic Insights into HIV Prevention*
HIV Global Therapeutic Expert Forum
Philadelphia, PA
May 1-2, 2012
34. *Pre-exposure Prophylaxis for HIV Prevention: Where Does the Field Currently Stand?*
13th International Workshop on the Pharmacology of HIV Therapy
Barcelona, Spain
April 16-18, 2012
35. *HIV Prevention with Antiretrovirals: how to predict success?*
Physician's Research Network
New York, NY
March 27, 2012
36. *Animal and Human Studies of PrEP and Vaginal Rings*
Discussant, CROI Themed Discussion #32
19th Conference on Retroviruses and Opportunistic Infections.
Seattle, WA
March 5-8 2012
37. *Sex Differences in HIV/AIDS: Biologic Perspectives*
Emerging Issues AIDS 20/20: amfAR Consultation Meeting: Sex Differences in HIV/AIDS
Bethesda, MD
January 11, 2012

38. *A World Without AIDS: How UNC is Changing A Field*
 UNC Eshelman School of Pharmacy Alumni Board
 Chapel Hill, NC
 January 7, 2012

39. *Protecting Women from HIV: How BIRCWH Transformed a Field*
 Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Scholars
 Meeting, Office of Research on Women's Health, National Institutes of Health, US
 Department of Health and Human Services,
 Bethesda, MD
 November 16, 2011

40. *UNC Center for AIDS Research Clinical Pharmacology and Analytical Chemistry (Major
 Program Initiatives Update)*
 UNC Eshelman School of Pharmacy Board of Visitors Meeting
 Chapel Hill, NC
 November 17-18, 2011

41. *The Pharmacology of Mucosal Compartments: Current and Planned PK/PD Studies*
 WHO NIH Working Group Meeting
 ART as HIV Prevention for MSM:What Additional Evidence is Required?
 Geneva, Switzerland
 October 26-27, 2011

42. *Pharmacokinetics and Pharmacodynamics of Antiretrovirals in HIV Prevention*
 NIH Think Tank on Clinical Pharmacology of HIV Prevention
 Washington, DC
 August 8, 2011

43. *PrEP: Does formulation impact drug concentrations in different compartments?
 Implications for preventing HIV infection*
 HIV Prevention Trials Network Annual Meeting Plenary
 Washington, DC
 June 8, 2011

44. *Genetic Barriers in Sanctuary Sites*
 HIV Genetic Barrier Expert Consultation
 Dallas, TX
 June 6, 2011

45. *CAPRISA 004, iPrEX, and FEM PrEP: What have they taught us about antiretrovirals?*
 HIV Care 2011: Trends in Clinical Care, Caring for Vulnerable Populations
 Chapel Hill, NC
 May 2, 2011

46. *Antiretroviral Pharmacokinetics and Pharmacodynamics in HIV Prevention*
 Europrise International Prevention Meeting: Understanding How Adherence and
 Biology Influence Effectiveness
 London, England
 May 3-4, 2011

47. *HIV and Sanctuary Sites*
 Collaborative Institute of Virology, Clinical Pharmacology Panel

Miami, FL
April 12, 2011

48. *Pharmacokinetics of Oral HIV Prevention Strategies*
Gilead Sciences HIV Medical Affairs Advisory Program on PrEP
Foster City, CA
March 24-25, 2011
49. *The Pharmacology of HIV Prevention: What Have We Learned in 2010?*
Grand Rounds
National Institutes of Allergy and Infectious Diseases
National Institute of Health Clinical Center
January 14, 2011
50. *Drug Exposure in Women: What's Important?*
1st International Workshop on HIV In Women: From Adolescence through
Menopause
Washington, DC
January 10-11, 2011
51. *Pharmacokinetic Evaluations in Humans*
Workshop on Optimization of Preclinical Methods for Improved Prioritization and
Advancement of Lead Microbicide Candidates
Division of AIDS, National Institute of Allergy and Infectious Diseases
National Institute of Health, Bethesda, MD
December 11-12, 2010
52. *CAPRISA 004 The First Successful HIV Microbicide: Why it Worked (and iPrEX too!)*
World AIDS Day Scientific Session
UNC Chapel Hill School of Medicine
December 1, 2010
53. *The Pharmacology of HIV Prevention: What Have We Learned from CAPRISA 004?*
Grand Rounds
Division of AIDS, National Institute of Allergy and Infectious Diseases
National Institute of Health, Bethesda, MD
November 12, 2010
54. *Role of Antiretroviral Medications in HIV Prevention*
Regional Child and Adolescent Health Meeting
Durham, NC
November 5, 2010
55. *Semen and Cervicovaginal Fluid Studies*
Penetration of Anti-Infective Agents
55th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy
Boston, MA
September 12-15, 2010
56. *ARV Prevention of HIV: Compartment-Specific Pharmacokinetics of Oral and Topical Antiretrovirals*
5th International Workshop on HIV Transmission – Principals of Intervention
Vienna, Austria
July 15-16, 2010

57. *A Tale of 2 Compartments: Pharmacology of Antiretrovirals in Cervical, Vaginal, and Rectal Tissue*
Microbicides 2010
Pittsburgh, PA
May 23-26, 2010

58. *Meet the Experts*
American Society for Clinical Pharmacology and Therapeutics
111th Annual Meeting
Atlanta, GA
March 17-20, 2010

59. *Compartmental Pharmacokinetics of Antiretrovirals for HIV Prevention*
Consultation on the Implications of PrEP Trial Results
NIH – NIAID, NIH Campus
Bethesda, MD
January 29, 2010

60. *Pharmacokinetic-Pharmacodynamic Relationships in Human and Animal PrEP Models*
Beyond 2010: “Gaps, Challenges, and Priorities for the Future of Preclinical PrEP
Meeting (NIH, NIAID, DAIDS)
Bethesda, MD
October 21-22, 2009

61. *Surrogate Markers for PrEP: Bridging Between Animal and Human Studies*
PrEP Science Discussion
AVAC: Global Advocacy for HIV Prevention
Arlington, VA
September 9, 2009

62. *Pharmacokinetics-Pharmacodynamics of Antiretroviral Agents*
Meet the Experts
49th Interscience Conference on Antimicrobial Agents and Chemotherapy
San Francisco, CA
September 13, 2009

63. *The Pharmacology of Aging*
UNC Annual Regional HIV Update
Friday Center, UNC-CH
Chapel Hill, NC
May 4, 2009

64. *Drug Interactions of HIV Therapy*
HIV Update 2009
Oslo, Norway
April 20, 2009

65. *HIV Prevention in Women: Will Drugs Work?*
World AIDS Day Conference
UNC Chapel Hill
Chapel Hill, NC
December 1, 2008

66. *Antiretroviral Pharmacology in the Genital Tract*
Expert Consultation on the Effect of Antiretroviral Therapy on the Risk of Sexual Transmission of HIV Infection and Superinfection
Centers for Disease Control and Prevention
Atlanta, GA
October 23, 2008
67. *The Pharmacology of HIV Prevention: What Drugs Will Work?*
Infectious Diseases Conference
Center for Infectious Diseases
UNC-CH
Chapel Hill, NC
September 12, 2008
68. *Clinical Pharmacology of Antiretroviral Therapy in Women: How Much Do We Know?*
Invited Presentation, International AIDS Society Industry Liaison Forum
15th Conference on Retroviruses and Opportunistic Infections
Boston, MA
February 2008
69. *Genital Compartmentalization of Orally and Topically Administered Antiretrovirals*
Invited Presentation, 15th Conference on Retroviruses and Opportunistic Infections (Abstr 95)
Boston, MA
February 2008
70. *Pharmacokinetics of Antiretroviral Drugs in the Female Genital Tract: Implications for HIV PrEP and PEP*
Invited Presentation
South Africa CAPRISA
Durban, South Africa
October 2007
71. *Optimal Design of Drug Interaction Studies*
Invited Roundtable Discussant, 8th Annual International Workshop on Clinical Pharmacology in HIV Therapy
Budapest, Hungary
April 2007
72. *Phenotyping for Drug Interactions: Cocktails Anyone?*
Invited Presentation, 14th Conference on Retroviruses and Opportunistic Infections (Abstr 50)
Los Angeles, CA
Feb 2007
73. *"Genital Tract Pharmacokinetics of Antiretroviral Drugs: Implications for HIV Pre- and Post-Exposure Prophylaxis".*
Grand Rounds
Albany Medical Center, Albany, NY
May 2006
74. *"The Drugs, The Doses, The Interactions"*
UNC Annual Regional HIV Update
Friday Center, UNC-CH

Chapel Hill, NC
May 1, 2006

75. *"Genital Tract Pharmacokinetics of Antiretroviral Drugs: Implications for HIV Pre- and Post-Exposure Prophylaxis"*.
HIV Physician's Research Network (PRN)
New York, NY
March 2006
76. *"The Role of Antiretroviral Pharmacology in Preventing the Sexual Transmission of HIV"*
Infectious Diseases Conference
Center for Infectious Diseases
UNC-CH
Chapel Hill, NC
March 17, 2007
77. *"Antiretroviral Pharmacology for Pre-exposure Prophylaxis"*
International AIDS Society Industry Liaison Forum
Denver, CO
February 2006
78. *"Use of Pharmacokinetic Enhancement in Treatment Experienced Patients"*
Management of Treatment-Experienced HIV-Infected Patients
CME Satellite Symposium
Interscience Conference on Antimicrobial Agents and Chemotherapy
December 2005
79. *"Pharmacologic Complexities in the Treatment of HIV"*
Management of HIV Disease, International AIDS Society
Los Angeles, CA, and New York, NY
April and October 2005
80. *"Drug Interactions"*
Treatment and Management of HIV Infection in the United States
US HIV Conference
Atlanta, GA
September 2005
81. *"Navigating the Concentration Curves: Pharmacologic Considerations in the Treatment of HIV"*
Continuing Education Program for HIV Practitioners
Teleconference Program 2005
On-Site Program Boston MA
Atlanta GA, Dallas TX
2005
82. *"Pharmacokinetics of Systemically Administered Antiretroviral Drugs in Compartments Relevant to Sexual Transmission: Novel Pharmacokinetic Methods for Developing HIV Chemoprevention Strategies Symposium"*
American Society of Clinical Pharmacology and Therapeutics Annual Meeting
Orlando, FL
March 2005
83. *"Clinically Important Antiretroviral Drug Interactions"*
HIV CARE 2004
UNC – CH Infectious Diseases Symposium

May 2004

84. *"The Genital Tract as a Sanctuary Site for HIV"*
First International Workshop on HIV Persistence During Therapy
St. Martin, FWI
2003
85. *"Pharmacogenomics: The New Frontier of Pharmacy"*.
Pennsylvania Society of Health Systems Pharmacists Annual Assembly
Champion, PA
2003
86. *"AIDS Blunts Treatments and Laughs at Vaccines": The Future of HIV Prevention Research"*
Grand Rounds, Bassett Healthcare,
Cooperstown, NY
2003
87. *"How Should Phenotyping Biomarkers Be Validated?"*
INVITOX 2002 Annual Meeting
Formia, Italy
2002
88. *"Understanding and Predicting Antiviral Drug Interactions"*
Infectious Diseases Society of America, Annual Meeting
Chicago, IL
2002
89. *Can Antiretroviral Therapy Be Used to Prevent Sexual Transmission of HIV-1?"*
GlaxoSmithKline Seminar Series
RTP, NC
June 2002
90. *"Pharmacokinetics of Antiretroviral Therapy in Genital Secretions"*
HAART and Prevention of HIV Transmission
Atlanta, GA
June 2002
91. *"Virology and Pharmacology in the Male and Female Genital Tract"*
The Importance of Antiretroviral Drugs to Penetrate Viral Reservoirs, Forum for
Collaborative HIV Research, George Washington University
Washington, DC
April 2002.
92. *"Antiretroviral Pharmacology in the Genital Tract: Can We Affect HIV Transmission?"*
Women's Health Research Day
UNC Chapel Hill
March 2002
93. *"Beneficial Antimicrobial Drug Interactions: Taking Advantage of New Insights into Clinical Pharmacology. Metabolism interactions to improve systemic exposure"*
41st Interscience Conference on Antimicrobial Agents and Chemotherapy
Chicago, IL
December 2001
94. *"How Should Phenotyping Biomarkers Be Validated?"*

International Society for the Study of Xenobiotics, 6th International Meeting
Munich, Germany
October 2001

95. *"Romancing the Genome: Clinical Pharmacogenetics"*
Annual Meeting, New York State Chapter, American College of Clinical Pharmacy,
Syracuse, NY
June 2001
96. *"Romancing the Genome: How Genes Can Tailor Your Drugs"*
UNC Chapel Hill School of Medicine "Mini-Med School"
Chapel Hill, NC
March 2001
97. *"The Effect of Cytokines and Endotoxins on Drug Metabolism and the Relevance to HIV
Infected Patients"*
American Society for Clinical Pharmacology and Therapeutics Annual Meeting
Orlando, FL
March 2001
98. *"Pharmacotherapy of Influenza Virus"*
American College of Clinical Pharmacy Annual Meeting
Los Angeles, CA
November 2000
99. *"Understanding And Predicting Drug-Cytokine Interactions"*
"Drug-Drug Interactions" Conference, Barnett International
October 2000
100. *"Intra- and Interindividual Variability in Cytochrome P450 Activity: The Influence of
Cytokines On Antiretroviral Pharmacokinetics and Possible Failure In HIV-1 Infection"*
University of Toronto Department of Pharmacology Seminar Series
Toronto, Ontario, Canada
May 2000
101. *"Pharmacogenetics and HIV: Special Considerations in Women"*
Emerging Treatment Strategies for Patients with Human Immunodeficiency Virus
Infection, State University of New York at Buffalo HIV Symposium
Buffalo, NY
February 2000
102. *"CYP3A and P-glycoprotein: Implications for Absorption and Viral Reservoir Distribution
of Protease Inhibitors"*
UNC Center for AIDS Research Clinical Core Collaborative Research Seminar
Chapel Hill, NC
April 2000
103. *"Understanding and Predicting Drug Interactions of the Cytochrome P450 Enzyme
System"*
Anesthesiology Conference. School of Medicine. UNC-Chapel Hill
Chapel Hill, NC
November 1999

UNC Center for Infectious Diseases Conference. UNC-Chapel Hill
Chapel Hill, NC

November 1999

104. *"Pharmacogenetics of Antiretroviral Therapy"*
UNC School of Pharmacy Division of Drug Delivery and Disposition Seminar Series,
September 1999

New York State Society of Infectious Diseases Pharmacists Annual Meeting,
Syracuse, NY, September 1999.
105. *"Pharmacokinetics and Pharmacodynamics of Antiretroviral Agents"*
Infectious Diseases Conference, School of Medicine, UNC-Chapel Hill
Chapel Hill, NC
June 1999
106. *"Advances in the Treatment of HIV. Session Moderator"*
American Society of Health Systems Pharmacists, Annual Meeting
Reno, NV
1999
107. *"Inflammation, Cytokine Networks, and Drug Metabolism: Experimental and Clinical Findings."*
Breaking Issues Symposium Presentation, American Society of Health Systems
Pharmacists Annual Midyear Clinical Meeting
Las Vegas, NV
1998
108. *"HIV: Review of New Guidelines"*
Making a Difference: Trends in Infectious Diseases Pharmacotherapy,
Annual Conference.
Orlando, FL
May 1998
109. *"The New Macrolides: Are the Differences Real?"*
Scientific Exhibits. Sponsored by Pfizer.
American College of Physicians, Annual Meeting 1997 - 1999
American Society of Health Systems Pharmacists, Midyear Clinical Meeting 1998 -
Present
American Society of Health Systems Pharmacists, Annual Meeting 1998 - Present
110. *"Drug Interactions and the Cytochrome P450 Enzyme System"*
Departments of Pharmacy and Infectious Diseases, Audey Murphy VA Hospital
San Antonio, TX
1997
111. *"Genetics, Environment, Drug Efficacy, and Side Effects: You Can't Pick Your Parents."*
Medical Grand Rounds, Bassett Healthcare, Cooperstown, New York, 1996.

New York State Council of Health-System Pharmacists: Leatherstocking Chapter
Continuing Education Seminar, 1996
112. *"Development of a Population Pharmacokinetic Model and Optimal Sampling Strategies for Intravenous Ceftazidime in the Critically Ill"*

Platform Presentation, New York State Clinical Pharmacists Infectious Diseases Group Annual Meeting, Syracuse, NY, 1995.

Research Defense, Department of Pharmacy Practice, State University of New York at Buffalo, Amherst, NY, 1995.

113. *"Chronic Obstructive Pulmonary Disease"*
Fourth Year Pharmacy Student Lecture, Department of Pharmacy Practice
State University of New York at Buffalo
Amherst, NY
1995
114. *"The Use of Itraconazole in the Treatment of Aspergillosis"*
Doctor of Pharmacy Seminar, Department of Pharmacy Practice
State University of New York at Buffalo
Amherst, NY
1994
115. *"Overcoming Drug Resistance in Oncology"*
Doctor of Pharmacy Seminar, Department of Pharmacy Practice
State University of New York at Buffalo
Amherst, NY
1994
116. *"Inflammatory Bowel Disease: Advances in Therapy"*
Toronto Intra-City Hospital Rounds, Mount Sinai Hospital
Toronto, Ontario
1992
117. *"Ethics and Biotechnology"*
Fourth Year Pharmacy Student Lecture
University of Toronto, Faculty of Pharmacy
Toronto, Ontario
1992
118. *Comparison of Two Vancomycin Dosing Guidelines for Use in the Neonatal Intensive Care Unit: A Focus on Serum Concentrations and Cost Effectiveness,*
Ontario Pharmacy Residency Meeting, Mount Sinai Hospital
Toronto, Ontario
1991

REFEREED SCIENTIFIC ABSTRACTS (240):

1. Young I, Shrivastava R, Januszewicz R, Sykes C, Cottrell ML, Cabrales C, **Kashuba A**. Next generation islatravir/etonogestrel/ethinyl estradiol MPT intravaginal ring. 2022 Conference on Retroviruses and Opportunistic Infections (CROI), February 12-16, 2022, Virtual.
2. Young I, Pallerla AC, Maturavongsadit P, Prasher A, Montgomery S, Sykes C, Cottrell ML, **Kashuba A**. Long-acting injectable for prevention of HIV and unplanned pregnancy. 2022 Conference on Retroviruses and Opportunistic Infections (CROI), February 12-16, 2022, Virtual.
3. Desyaterik YN, White N, Poliseno A, **Kashuba ADM**, Rosen EP. Using Hair for Quantifying Daily Drug Adherence in Real-time: Increasing Throughput of an IR-MALDESI MSI HIV Medication Assay. 69th American Society for Mass Spectrometry (ASMS) Conference, October 31-November 4, 2021, Philadelphia, PA.
4. Zerbato JM, Singh KP, Zhao W, Deleage C, Rosen E, Cottrell ML, Rhodes A, Dantanarayana A, Tumpach C, Tennakoon S, Crane M, Price D, Braat S, Estes J, Mason H, Roche M, **Kashuba ADM**, Revill P, Avihingsanon A, Audsley J, Lewin SR. HIV DNA persists in the liver in both CD4+ cells and hepatocytes in HIV/HBV co-infection on antiretroviral therapy. ACH² 16th Annual Scientific Workshop, June 2-4, 2021, Bowral, New South Wales.
5. Scevola S, Imaz A, Cottrell ML, Niubo J, Tiraboschi JM, Morenilla S, Soriano I, **Kashuba AD**, Podzamczar D. Doravirine Concentrations and HIV-1 RNA Suppression in Female Genital Fluids (ID 1603). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
6. Scholz EM, Cao Y, **Kashuba AD**. PBPK Models of TFV Exposure in Lymph Nodes Reveal Permeability-limited Distribution (ID 1808). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
7. Mwangi J, White N, Knudtson K, Poliseno A, Sykes C, Hightow-Weidman L, **Kashuba AD**, Rosen E. "Hair Mass Spectrometry Imaging Captures Short- and Long-term PrEP Adherence Changes (ID 2113). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
8. Srinivasula S, Degrange P, Bonvillian A, Tobery A, Kaplan J, Deleage C, **Kashuba AD**, Cottrell ML, Di Mascio M. Pre-ART Viral Load is Predictive of Lymph Node ART Levels in SIV-Infected Macaques (ID 1912). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
9. Dumond JB, Cottrell ML, Symonds AE, Sykes C, White N, **Kashuba AD**. Predicted Success of PrEP Users' Preferred Nondaily Tenofovir/Emtricitabine Regimens (ID 2523). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
10. Rosen E, White N, Gilliland M, Gandhi M, Roy Gulick R, **Kashuba AD**. Hair Mass Spectrometry Imaging of Daily Maraviroc Adherence in HPTN 069/ACTG 5305 (ID 2195). 2021 Conference on Retroviruses and Opportunistic Infections (CROI), March 6-10, 2021, Virtual.
11. Schauer A, Sykes C, Cottrell ML, **Kashuba ADM**. Method Validation for the Simultaneous Quantification of Three Antiretroviral Drugs, Bictegravir, Doravirine, and

Raltegravir in Human Plasma Using LC-MS/MS. Poster #74a MSACL 2020 US; March 28 - April 3 2020. Palm Springs, CA.

12. Imaz A, Tiraboschi JM, Niubo J, Partinez-Picado J, Cottrell ML, Domingo P, Chivite I, Negro E, Morenilla S, Urrea V, Scevola S, Garcia B, **Kashuba ADM**, Podzamczar D. Bictegravir Distribution and Bictegravir/FTC/TAF Activity in the Genital Tract and Rectum. Conference on Retroviruses and Opportunistic Infections. Boston, Massachusetts, March 8–11, 2020.
13. Mwangi JN, Gilliland WM, Jr., White N, Prince HA, Hightow-Weidman LB, **Kashuba ADM**, Rosen EP. Development of an Analysis Pipeline for Measuring Adherence to HIV Pre-Exposure Prophylaxis in Hair using IR-MALDESI MSI. 35th ASMS Asilomar Conference: Mass Spectrometry Imaging. October 11-15, 2019. Pacific Grove, CA.
14. Anderson DJC, Prince HMA, Polisen A, Moody K, Saunders A, Sykes C, Schauer AP, Van Horne B, Mollan KR, Hudgens MG, **Kashuba ADM**. An Exploration of Adherence Measures to Detect Recent Changes in Truvada® Dosing Patterns. 20th International Workshop on Clinical Pharmacology of HIV, Hepatitis & Other Antiviral Drugs. Oral abstract presentation. May 14-16, 2019. Noordwijk, NL.
15. Devanathan AS, Fallon JK, White N, Schauer AP, Blake K, Sykes C, Adamson L, Lucivi P, Garcia JV, Akkina R, Pirone JR, Smith PC, **Kashuba ADM**. Antiretroviral penetration and drug transporter concentrations in the spleens of three preclinical animal models and humans. 20th International Workshop on Clinical Pharmacology of HIV, Hepatitis & Other Antiviral Drugs. May 14-16, 2019. Noordwijk, NL.
16. Schauer A, Sykes C, **Kashuba ADM**. When a Dried Sample Isn't Dry: How Different Sample Handling Procedures Between the Clinic and the Analytical Laboratory Can Impact Drug Quantification. 71st Annual Meeting, American Association for Clinical Chemistry. August 4-8, 2019, Anaheim, CA.
17. Handy K, Pirone J, Schauer A, Bryan H, Sykes C, Prince H, Polisen A, **Kashuba ADM**. Comparison of Human Whole Blood Dolutegravir Concentrations Collected on Dried Blood Spot Cards versus Mitra® Microsampling Devices. 71st Annual Meeting, American Association for Clinical Chemistry. August 4-8, 2019, Anaheim, CA.
18. Schauer A, Sykes C, Pirone J, White N, Bryan H, Prince H, Polisen A, **Kashuba ADM**. A Comparison of Tenofovir Diphosphate and Emtricitabine Triphosphate Concentrations Collected in Whole Blood by a Microsampler or Dried Blood Spot. ASMS Conference on Mass Spectrometry and Allied Topics, June 2 - 6, 2019, Atlanta, GA.
19. Garrard KP, Ekelöf M, Khodjanizyazova S, Bagley MC, Rosen EP, Gilliland WM, **Kashuba AD**, Muddiman DC. RastirX: A versatile platform for imaging arbitrary spatial patterns. Abstract ID number: 297204. ASMS Conference on Mass Spectrometry and Allied Topics, June 2 - 6, 2019, Atlanta, GA.
20. Mitchell, J. T., McLaurin, T., Frye, J., McKellar, M. S., Satapathy, G., Cottrell, M., **Kashuba, ADM**, LeGrand, S, McClernon, FJ, Parker, S, and Okeke, NL. Development of a mobile contingency management intervention for PrEP adherence among young black men who have sex with men. National HIV Prevention Conference, March 2019, Atlanta, GA.
21. Schauer A, Sykes C, Pirone JR, Blake K, Bryan H, **Kashuba ADM**. Comparison of Human Whole Blood Maraviroc Concentrations Collected on Dried Blood Spot Cards

versus Mitra® Microsampling Devices. Poster 35A. MSACL. Mass Spectrometry: Applications to the Clinical Lab 2019. Palm Springs, CA.

22. Pirone JR, Akkina RK, Garcia-Martinez JV, Luciw P, Adamson L, Sykes C, White N, Schauer A, Blake KH, Burgunder EM, Devanathan AS, Srinivas N, Rosen E, **Kashuba ADM**. 2019 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7, 2019, Seattle, WA.
23. Rosen E, Deleage C, Fedoriw Y, Estes JD, **Kashuba ADM**. A Quantitative Approach to Evaluate ARV Proximity to Virus and Cells in Lymph Nodes. Poster ID 2395. 2019 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7, 2019, Seattle, WA.
24. Mitchel JT, McLaurin T, Frye J, McKellar MS, Satapathy G, Cottrell M, **Kashuba ADM**, LeGrand S, McClernon FJ, Parker S, Okeke NL. Development of a Mobile Contingency Management Intervention for PrEP Adherence among Young Black Men who have Sex with Men. Abstract ID 5854, Oral Presentation. 2019 National HIV Prevention Conference (NHPC). March 18-21, 2019 Atlanta, GA.
25. Gilliland WM, Jr., Asher Prince H, Poliseno A, Gandhi M, **Kashuba ADM**, Rosen EP. IR-MALDESI Mass Spectrometry Imaging of Maraviroc in Hair for Long-Term Adherence Monitoring. Imaging Mass Spectrometry Society II & OURCON VI Joint Meeting. November 11-14, 2018 Charleston, SC.
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28. Schauer A, Sykes C, Benhabbour R, Cottrell ML, **Kashuba ADM**. An LC-MS/MS Method for the Quantification of the Endogenous Steroid Progesterone in Mouse Plasma Using the Surrogate Analyte Approach. ASMS Conference on Mass Spectrometry and Allied Topics. June 3-7, 2018. San Diego, CA.
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30. Srinivas N, Cottrell M, White N, Sykes C, Prince H, Gonzalez D, **Kashuba AD**. Development and Application of a Population Pharmacokinetic Model of Maraviroc to Predict HIV Pre-Exposure Prophylaxis Efficacy in Mucosal Tissues. ASCPT 2018 Annual Meeting, March 21-24, 2018. Orlando, FL.
31. Srinivas N, Rosen E, Cruz GD, Sykes C, Schauer A, Adamson L, Luciw P, **Kashuba A**. Mapping the Distribution of Efavirenz with Brain Tissue Cells. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA

32. Melody K, Kline C, Cottrell M, Keele B, **Kashuba A**, Bility M. RPV LA Does not Inhibit Resistant HIV Transmission or Select Significant Resistance. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
33. Imaz A, Niubo J, Cottrell M, Perez E, **Kashuba A**, Tiraboschi J, Morenilla S, Garcia B, Podzamczar D. Seminal Tenofovir Concentrations, Viral Suppression and Semen Quality with TAF VS TDF. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
34. Price J, Vwalika B, Winston J, Kasaro M, Mwape H, Chi B, Stringer E, Freeman B, Gravett C, Rittenhouse K, Njobvu L, Nelson J, **Kashuba A**, Stringer J. Preconceptional ART and Spontaneous Preterm Birth in an Urban Zambian Cohort. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
35. Rosen E, Deleage C, White N, Sykes C, Adamson L, Fedoriw Y, Estes JD, Luciw P, **Kashuba ADM**. Mass Spec Imaging Reveals Associations Between ARVs, Virus and Cells in Lymph Nodes. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
36. Burgunder E, Fallon J, White N, Schauer A, Sykes C, Adamson L, Pirone J, Luciw P, Smith P, **Kashuba A**. Effect of Sex, SHIV, and Drug Transporters on Lymph Node Antiretroviral Penetration. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
37. Aguirre A, Mehta C, Hussen SA, Ofotokun I, Greenblatt R, Merenstein D, **Kashuba A**, Anastos K, Kempf MC, Golub ET, DeHovitz J, Cohen MH, Weiser S, Sheth AN. Persistent Low-Level Viremia is Associated with Low Protease Inhibitor Levels in Hair. 2018 Conference on Retroviruses and Opportunistic Infections (CROI), March 4-7 2018, Boston, MA
38. Bokhart MT, Garrard K, Rosen E, Thompson C, Sykes S, **Kashuba ADM**, Manni J, Muddiman DC. A Quantitative Mass Spectrometry Imaging Workflow using IR-MALDESI and MSiReader. Eastern Analytical Symposium. Princeton NJ November 13-15 2017.
39. Pack A, Golin C, Carda-Auten J, Cherkur S, Farel C, Rosen E, Gandhi M, Prince H, Barley K, **Kashuba A**. Patient acceptability of obtaining near real-time feedback on antiretroviral (ART) adherence using mass spectrometry imaging of hair samples: A formative sub-study for the ENLIGHTEN (Establishing Novel antiretroviral ImaginG for Hair to Elucidate Nonadherence) Project. Oral presentation. American Public Health Association Annual Meeting & Expo. Atlanta, GA. November 4-8, 2017.
40. Greene SA, Garrett K, Prince H, Chen J, Maas B, Maffuid K, Sykes C, Schauer A, Gay C, **Kashuba ADM**, Cohen M, Dumond J. Population Pharmacokinetics of Tenofovir (TFV) and Tenofovir Diphosphate (TFVdp) in the Blood, Semen, and Mononuclear Cells of HIV-Negative and Positive Men Receiving Tenofovir Disoproxil Fumarate (TDF) or Tenofovir Alafenamide (TAF). American Conference on Pharmacometrics, October 15-18, 2017. Ft. Lauderdale, FL.
41. Garrett K, Maas B, Cottrell M, Prince H, Sykes C, Schauer A, White N, Dumond J, **Kashuba ADM**. Tenofovir Alafenamide (TAF) for HIV Prevention in IV Drug Users. American Conference on Pharmacometrics, October 15-18, 2017. Ft. Lauderdale, FL.
42. Pack A, Golin C, Carda-Auten J, Cherkur S, Farel C, Rosen E, Gandhi M, Prince H, Barley K, **Kashuba ADM**. Patient perspectives: Preliminary results from the formative sub-study of the Establishing Novel Antiretroviral ImaginG for Hair to Elucidate

Nonadherence (ENLIGHTEN) Project. 12th International Conference on HIV Treatment and Prevention Adherence. June 4-6, 2017. Miami Beach, FL.

43. Cherkur S, Golin C, Carda-Auten J, Pack A, Farel C, Rosen E, Gandhi M, Prince H, Barley K, **Kashuba ADM**. Provider perceptions of using mass spectrometry imaging of hair to manage antiretroviral adherence: a formative sub-study for the Establishing Novel Antiretroviral Imaging for Hair to Elucidate Nonadherence (ENLIGHTEN) Project. 12th International Conference on HIV Treatment and Prevention Adherence. June 4-6, 2017. Miami Beach, FL.
44. Srinivas N, Fallon J, Sykes C, White N, Schauer A, Matthews M, Adamson L, Luciw P, Smith P, **Kashuba ADM**. SHIV infection and drug transporters influence brain tissue concentrations of efavirenz. *Platform Presentation* 9th International AIDS Society Conference on HIV Science. July 23-26, 2017, Paris, France.
Winner: IAS/ANRS Lange-van Tongeren Young Investigator Prize
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49. Sykes C, Schauer, A, Prince, H, Cottrell, M, **Kashuba, AD**. Validation of an LC-MS/MS Assay to Monitor Adherence of Subjects on Antiretroviral Therapy Using Dried Blood Spots. 65th American Society for Mass Spectrometry Conference, June 4-8, 2017, Indianapolis, Indiana.
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235. **Kashuba A.D.M.**, Bertino J.S. Jr., Nafziger A.N. *Rapid Achievement of Aminoglycoside Pharmacokinetic and Pharmacodynamic Goals to Attain Therapeutic Response in Gram-Negative Pneumonia: Use of Large Loading Doses with Individualized Pharmacokinetic Monitoring*, Poster Presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, San Diego, Ca, 1997.
236. **Kashuba A.D.M.**, Shirey C.S., Bertino J.S. Jr., Kearns G.L., Nafziger A.N. *Effect of Menstrual Cycle Phase on CYP2D6 Activity in Extensive Metabolizers as Measured by Dextromethorphan Phenotyping*, Poster Presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, San Diego, Ca, 1997.
237. **Kashuba A.D.M.**, Nafziger A.N., Drusano, G.L., Bertino J.S. Jr., *Early Optimization of Aminoglycoside Pharmacokinetic Goals Reduces Time to Therapeutic Response in Gram-Negative Pneumonia*, Platform Presentation, Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, Louisiana, 1996.
238. **Kashuba A.D.M.**, Nafziger A.N., Bertino J.S. Jr., *Predictors of Therapeutic Response to Aminoglycosides in Gram-Negative Pneumonia and Bacteremia*, Poster Presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Orlando, Fla, 1996.
239. **Kashuba A.D.M.**, Ballow C., Forrest A., *Development of a Population Pharmacokinetic Model and Optimal Sampling Strategies for Intravenous Ceftazidime in the Critically Ill*, Poster Presentation, American College of Clinical Pharmacists Annual Meeting, Washington, DC, 1995.
240. **Kashuba A.D.M.**, Law R., Ohlsson A., *Comparison of Two Vancomycin Dosing Guidelines for Use in the Neonatal Intensive Care Unit: A Focus on Serum Concentrations and Cost Effectiveness*. Women's College Hospital Ninth Annual Research Meeting, Toronto, Ontario, 1992

TEACHING ACTIVITIES

COURSE COORDINATOR:

1. Course Number: DPET 806 (PY2/3 Elective)
Course Title: THE PACKAGE INSERT: Drug Development for Clinicians
Dates: 2011 - 2013
2. Course Number: Pharmacy 361
Course Title: Graduate Student/Fellow Seminar Series/Journal Club
Dates: 2000 - 2006
3. Course Number: Pharmacy 193 (post doctoral research fellows)
Course Title: Clinical Research Methods
Dates: 1998-2000
4. Course Number: PHCY 450 (3rd year, spring semester capstone course)
Course Title: Pharmacotherapy VIII: Problems
Dates: 1998-2000 (course developer)

LECTURER:

Semester/Year	Course Number, title, type	Enrollment	Teaching Responsibility
Fall 2020	DPOP872; Proposal Writing, 3 credit, Elective, PhD	8	Lecturer; 1 contact hour
Spring 2019	PHCY 718 The Patient Care Experience 2.0, 2 credit, Required PharmD	150	Weekly small group facilitator, 8 contact hours
Fall 2018	DPOP872; Proposal Writing, 3 credit, Elective, PhD	10	Lecturer; 1 contact hour
Spring 2018	PY2 OSCE	150	Facilitator/Proctor, 4 contact hours
Spring 2018	PHCY 718 The Patient Care Experience, 2 credit, Required PharmD	150	Weekly small group facilitator, 16 contact hours
Spring 2017	PHCY510 Foundations in Clinical Pharmacology, 3 credit, Required PharmD	150	Final exam case author 1 contact hour
Spring 2017	EPID 896, Clinical Research and Professional Development Seminar; Research Fundamentals	42	Group lecturer 10 contact hours
Spring 2017	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2016	PHCY510 Foundations in Clinical Pharmacology, Required PharmD	150	Final exam case author 1 contact hour
Spring 2016	EPID 896, Clinical Research and Professional Development Seminar; Research Fundamentals	42	Group lecturer 10 contact hours
Spring 2016	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Fall 2015	EPID 896, Clinical Research and Professional Development Seminar; Research Fundamentals	42	Group lecturer 10 contact hours

Spring 2015	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Fall 2014	EPID 896, Clinical Research and Professional Development Seminar; Research Fundamentals	35	Group lecturer 10 contact hours
Spring 2014	PHCY 805 (section 001) Independent Research Study	1	Course coordinator 2.0 credit hours
Spring 2014	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2013	EPID 690, Design of Clinical Research Studies, 3 credit, Required MPH	25	Lecturer 2 lecture hours
Spring 2013	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2013	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2012	EPID 690, Design of Clinical Research Studies, 3 credit, Required MPH	20	Lecturer 2 lecture hours
Spring 2012	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2012	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2011	EPID 690, Design of Clinical Research Studies, 3 credit, Required MPH	25	Lecturer 2 lecture hours
Spring 2011	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2011	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2010	EPID 690, Design of Clinical Research Studies, 3 credit, Required MPH	25	Lecturer 2 lecture hours
Spring 2010	DPET 810, AIDS: Principals, Practices, and Politics, 2 credit, elective PharmD	20	Lecturer 1 lecture hour
Spring 2010	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	150	Group facilitator 40 contact hours
Spring 2010	MS1, Medical Small Group Sessions in Pharmacology, 4 credit, Required MD	140	Group facilitator 3 contact hours
Spring 2010	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2009	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2009	MS1, Medical Small Group Sessions in Pharmacology, 4 credit, Required MD	140	Group facilitator 3 contact hours
Spring 2009	EPID 690, Design of Clinical Research Studies, 3 credit, Required MPH	25	Lecturer 2 lecture hours
Spring 2009	DPET 810, AIDS: Principals, Practices, and Politics, 2 credit, elective PharmD	20	Lecturer 1 lecture hour
Spring 2009	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	140	Group facilitator and case author 40 contact hours
Spring 2008	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 2 contact hours
Spring 2008	DPET 810, AIDS: Principals, Practices, and Politics, 2 credit, elective PharmD	20	Lecturer 1 lecture hour

Spring 2008	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	140	Group facilitator 40 contact hours
Spring 2007	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	140	Lecturer 4 contact hours
Spring 2007	DPET 810, AIDS: Principals, Practices, and Politics, 2 credit, elective PharmD	20	Lecturer 1 lecture hour
Spring 2007	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	140	Group facilitator and case author 40 contact hours
Spring 2007	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Fall 2006	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Fall 2006	DPET 840, Advanced Pharmacotherapy, 3 credit, Required PhD	10	Lecturer 15 contact hours
Spring 2006	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Spring 2006	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	120	Group facilitator 40 contact hours
Spring 2006	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	150	Lecturer 4 contact hours
Fall 2005	DPET 840, Advanced Pharmacotherapy, 3 credit, Required PhD	7	Lecturer 15 contact hours
Fall 2005	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Spring 2005	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Spring 2005	PHCY 450, Problems in Pharmacotherapy, 3 credit, Required PharmD	120	Group facilitator 40 contact hours
Spring 2005	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	120	Lecturer 4 contact hours
Fall 2004	DPET 840, Advanced Pharmacotherapy, 3 credit, Required PhD	6	Lecturer 15 contact hours
Fall 2004	PHCY 449, Pharmacotherapy VII: Infectious Diseases, 3 credit, Required PharmD	120	Lecturer 4 contact hours
Fall 2004	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Spring 2004	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	120	Lecturer 4 contact hours
Spring 2004	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Fall 2003	PHCY 449, Pharmacotherapy VII: Infectious Diseases, 3 credit, Required PharmD	120	Lecturer 6 contact hours
Fall 2003	DPET 840, Advanced Pharmacotherapy, 3 credit, Required PhD	8	Lecturer 15 contact hours
Fall 2003	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Spring 2003	PHCY 414, Clinical Pharmacokinetics, 3 credit, Required PharmD	120	Lecturer 2 contact hours
Spring 2003	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Fall 2002	PHCY 449, Pharmacotherapy VII: Infectious	120	Lecturer

	Diseases, 3 credit, Required PharmD		4 contact hours
Fall 2002	PHCY 193 Clinical Research Methods, 3 credit, Required Drug Development Fellows	12	Lecturer 3
Fall 2002	DPET 840, Advanced Pharmacotherapy, 3 credit, Required PhD	7	Lecturer 15 contact hours
Fall 2002	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Spring 2002	DPET 832, Introduction to Applied Pharmacogenomics, 3 credit, Elective PharmD	10	Lecturer 1 contact hour
Spring 2002	PHCY 139, Computer Applications in Clinical Drug Development and Pharmacokinetics, 3 credit, Required Drug Development Fellows	12	Lecturer 3 contact hours
Fall 2001	PHCY 193 Clinical Research Methods, 3 credit, Required Drug Development Fellows	12	Lecturer 3
Fall 2001	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Fall 2001	PHCY 449, Pharmacotherapy VII: Infectious Diseases, 3 credit, Required PharmD	120	Lecturer 4 contact hours
Fall 2001	PHCY 193 Clinical Research Methods, 3 credit, Required Drug Development Fellows	12	Lecturer 3
Spring 2001	PHCY 139, Computer Applications in Clinical Drug Development and Pharmacokinetics, 3 credit, Required Drug Development Fellows	12	Lecturer 3 contact hours
Fall 2000	PHCY 193 Clinical Research Methods, 3 credit, Required Drug Development Fellows	12	Lecturer 3
Fall 2000	PHCY 193 Clinical Research Methods, 3 credit, Required Drug Development Fellows	12	Lecturer 3
Fall 2000	MOPH 810, Drug Metabolism, 3 credit, Required PhD	15	Lecturer 2 contact hours
Fall 2000	PHCY 449, Pharmacotherapy VII: Infectious Diseases, 3 credit, Required PharmD	120	Lecturer 4 contact hours
Spring 2000	PHCY 139, Computer Applications in Clinical Drug Development and Pharmacokinetics, 3 credit, Required Drug Development Fellows	12	Lecturer 3 contact hours

Courses Taught 1997-1999:

PHCY 450 (3rd year, spring semester capstone course)
Pharmacotherapy VIII: Problems in Pharmacotherapy

PHCY 414 (2nd year, spring semester)
Clinical Pharmacokinetics

MOPH 810 (graduate students, fall semester)
Drug Metabolism
Lecturer

PHCY 449 (3rd year, fall semester)
Pharmacotherapy VII: Infectious Diseases

Pharmacy 139 (post-doctoral research fellows)
Computer Applications in Clinical Drug Development and Pharmacokinetics

Pharmacy 193 (post-doctoral research fellows)
Clinical Research Methods

MENTORING:

Graduate Students

2018 – Present	Major Advisor Talisa Kinsale, MS Eshelman Fellowship Awardee Division of Pharmacotherapy and Experimental Therapeutics
2017 – 2022	Major Advisor Aaron Devanathan, PharmD Eshelman Fellowship Awardee Identifying Factors Influencing Antiretroviral Pharmacology and HIV Eradication in the Spleen Division of Pharmacotherapy and Experimental Therapeutics
2016 – 2020	Major Advisor Erin Scholz (Burgunder), BS Eshelman Fellowship Awardee Identifying Factors Influencing Antiretroviral Pharmacology and HIV Eradication in Macaque and Human Lymph Nodes Division of Pharmacotherapy and Experimental Therapeutics 2021 – Present: Specialist Project Management & Clinical Pharmacology, Nuventra Pharma Sciences
2016 – 2017	Summer Rotation Advisor Shane Falcinelli, BS UNC MD/PhD Student
2014 – 2018	Major Advisor Nithya Srinivas, BS UNC PhD Student, UNC Royster's Fellow Distribution of Antiretrovirals Within the Brain Tissue and Relationship with Neurocognitive Impairment Due to HIV Division of Pharmacotherapy and Experimental Therapeutics 2018 – Present: Research Investigator, Incyte Corporation
2012 – 2017	Major Advisor Corbin Thompson, PharmD UNC PhD Student Mechanisms of Mucosal Tissue Drug Distribution Division of Pharmacotherapy and Experimental Therapeutics 2017 – Present: DMPK Scientist, Theravance Biopharma US
2014 – 2016	Committee Member Oranat Palm Chuchuen Duke University PhD Student Development of Raman Spectroscopy-Based Methods for Analysis of Microbicide Transport in Gels and Tissues Department of Biomedical Engineering
2014	External Examiner Brendan Osborne

Clinical and Immunological Correlates of Semen HIV-1 RNA Shedding
University of Toronto, School of Graduate Studies, Doctor of Philosophy

2009 – 2014

Major Advisor
Melanie Nicol, PharmD
UNC PhD Student
Molecular Pharmacology Applications to HIV Prevention Strategies
Division of Pharmacotherapy and Experimental Therapeutics
2014 – Present: Assistant Professor, Department of Experimental and Clinical Pharmacology, University of Minnesota College of Pharmacy

2008 – 2012

UNC Major Advisor
Micky Cohen-Wolkowicz, MD
UNC PhD Student
Pharmacokinetic-Pharmacodynamic Relationships of Antimicrobials in Neonates
Division of Pharmacotherapy and Experimental Therapeutics
2012 – 2014: Assistant Professor, Department of Pediatrics, School of Medicine, Duke University
2014 – 2017: Associate Professor, Department of Pediatrics, School of Medicine, Duke University
2017 – Present Professor of Pediatrics, Director, Duke Clinical Research Institute

2008 – 2009

Major Advisor
Sunita Paul, MS
UNC PhD Student
Molecular Pharmacology Applications to HIV Prevention Strategies
Division of Pharmacotherapy and Experimental Therapeutics
2009 – Present: Senior Site Manager for Global Clinical Operations, Janssen Virology, Research Pharmaceutical Services

2001 – 2005

Major Advisor
Mary Peace McRae, Pharm.D, Ph.D.
PhD in Pharmaceutical Sciences from UNC-CH
Understanding the Hepatotoxicity of Antiretroviral Drugs in the Treatment of HIV/AIDS
Division of Pharmacotherapy and Experimental Therapeutics
2006 – 2011: Assistant Professor, Department of Pharmacology, Kansas City University of Medicine and Biosciences
2011 – 2012: Associate Professor, Department of Pharmacology, Kansas City University of Medicine and Biosciences
2012 – Present: Assistant Professor, Department of Pharmacotherapy and Outcomes Sciences, Virginia Commonwealth University

2002 – 2007 Major Advisor
 Naser L. Rezk, MS, Ph.D.
 PhD in Bioorganic Chemistry from Tanta University, Egypt
 Simultaneous quantification of antiretroviral medications in human breast milk
 2007 – 2009: Research Assistant Professor, School of Pharmacy, UNC Center for AIDS Research, UNC-CH, Chapel Hill, NC

UNC School of Pharmacy Postdoctoral Research Fellows

those in **BOLD are 2-3 year academic clinical pharmacology research fellows, program accredited by ACCP*

1997 - 1999 Jodi W. Weidler, Pharm.D., GlaxoWellcome Research Fellow
 1998 - 2000 S. Karl Gotzkowsky, Pharm.D., GlaxoWellcome Research Fellow
 1999 - 2001 Julie Kim, Pharm.D., GlaxoWellcome Research Fellow
 Mary Jayne Kennedy, Pharm.D., Pediatric Research Fellow
 Naumann Chaudry, Pharm.D., PPD Research Fellow
 2000 - 2002 Sunila Reddy, Pharm.D., GlaxoWellcome Research Fellow
 2001 - 2003 **Amanda Corbett, Pharm.D., HIV Pharmacology Research Fellow**
 Michael Lim, Pharm.D., GlaxoSmithKline Research Fellow
 2002 – 2004 Jennifer Park, Pharm.D., GlaxoSmithKline Research Fellow
 Leslie Davidson, Pharm.D., Pozen Research Fellow
 2003 – 2005 **Rosa Yeh, Pharm.D., HIV Pharmacology Research Fellow**
 Ya-Chi Chen, Pharm.D., GlaxoSmithKline Research Fellow
 Hiba Tappouni, Pharm.D., GlaxoSmithKline Research Fellow
 2005 – 2007 **Julie Dumond, Pharm.D., HIV Pharmacology Research Fellow**
 Manoli Vourvahis, Pharm.D., GlaxoSmithKline Research Fellow
 2006 – 2008 Kan Lu, MS, Pharm.D., GlaxoSmithKline Research Fellow
 2007 – 2008 **Sunny Paul, MS, HIV Pharmacology Training Program**
 2007 – 2010 **Kevin Brown, Pharm.D., HIV Pharmacology Research Fellow**
 2008 – 2010 Amanda Jones, Pharm.D., United Therapeutics Research Fellow
 2009 – 2011 Racheal Kendrick, Pharm.D., Quintiles Pharmacokinetics Fellow
 2010 – 2011 Anne Mattson, Pharm.D., GlaxoSmithKline Research Fellow
 2010 – 2012 **Jessica Adams, Pharm.D., HIV Pharmacology Research Fellow**
 2011 – 2013 Ben Greener, Pharm.D., PPD Drug Development Fellow
 2012 - 2014 Tanja Hadzic, PhD, Quintiles Research Fellow
 2012 – 2015 **Mackenzie Cottrell, Pharm.D., M.S., HIV Pharmacology Research Fellow, T32 Clinical Pharmacology Fellow**
 2013 – 2015 Christine Trezza, Pharm.D., GlaxoSmithKline Research Fellow
 2014 – 2016 Elizabeth Andrews, PharmD. PPD Drug Development Fellow
 2015 – 2017 Michael Weber, PharmD, United Therapeutics Drug Development Fellow
 2015 – 2017 **Katy Garrett, Pharm.D., HIV Pharmacology Research Fellow**
 2016 – 2018 Robert Pope, PharmD, PPD Drug Development Fellow
 2017 – 2019 Kristin Moody, PharmD, GSK Medical Affairs Fellow
 2017 – 2019 **Mac Gilliland, PhD, Mass Spectroscopy Imaging Fellow**
 2018 – 2020 Daijha Anderson, PharmD, GSK Medical Affairs Fellow
 2019 – 2021 **John Prybylski, PharmD, PhD, HIV Pharmacology Research Fellow**
 2019 – 2021 **Joseph Mwangi, PhD, Mass Spectroscopy Imaging Fellow**

International Postdoctoral Fellows

2017 – 2020 Adeniyi Olagunju, PhD

Wellcome Trust Fellow & Lecturer I
Faculty of Pharmacy
Obafemi Awolowo University
Ile-Ife, Nigeria

International Visiting Scientists

05/2004 – 05/2005 Byung Hwa Jung, PhD,
Bioanalysis and Biotransformation Research Center
Korea Institute of Science and Technology
Seoul, South Korea

12/2005 – 12/2007 Sun Ok Choi, PhD
Senior Scientific Officer
Division of Biopharmaceutics
National Institute of Toxicological Research
Korea Food and Drug Administration
Seoul, South Korea

July 2006 Mohamed F. Abdel Megeed El-Shereif
Professor of Organic Chemistry
Chemistry Department
Faculty of Science
University of Tanta
Tanta, Egypt

5/2008 – 12/2008 Li Hou, PhD
Postdoctoral Research Fellow
National University of Singapore

UNC Carolina Covenant Scholars

2009-2011 Allison Hastings (UNC biology major)
UNC Summer Undergraduate Fellowship Awardee
Graduated with Highest Honors in Biology
MD from UVA

2016 Lance Snodderly (UNC biology major)
Laboratory Intern

UNC Roadmap Training Program

2006 Donglei Yu, PhD Candidate, School of Pharmacy

UNC School of Pharmacy Campbell Faculty Mentoring Program

2018 – Present Aaron Anselmo, PhD
Assistant Professor
Division of Pharmacoengineering and Molecular Pharmaceutics

2017 – 2020 Sachiko Ozawa, PhD, MHS
Associate Professor,
Division of Practice Advancement and Clinical Education

2012 – 2017 Christine Uzonna Oramasionwu, Pharm.D., Ph.D., BCPS
Assistant Professor,
Division of Pharmaceutical Outcomes and Policy

UNC School of Pharmacy Students

1999 – 2000	Tamara Watson, Pharm.D. Candidate, Research Honor Student Penetration of Liposome-Encapsulated AZT Diphosphate in Macrophages
2000 – 2002	Melissa Diebold, Pharm.D. Candidate, Research Honor Student Efficacy, Safety, and Pharmacokinetics of An Amprenavir 600mg/Saquinavir 800mg/Ritonavir 100mg BID – Based Antiretroviral Salvage Regimen
2001 – 2003	Ashley Herring, Pharm.D. Candidate, Research Honor Student Correlation of PXR and RXR Receptor Expression with IL-1 and IL-6 Suppression of CYP3A Activity in Human Hepatocytes
2002 – 2004	Stephanie Burge Hollowell, Pharm.D. Candidate, Research Honor Student Effect of Omeprazole on the Pharmacokinetics of Indinavir
2003 – 2004	Vincent Gaver, Pharm.D. Candidate, Research Honor Student Evaluating the Effects of Lopinavir/Ritonavir (Kaletra®) on Cytochrome P450 Activity Using A Biomarker Cocktail in Healthy Human Volunteers
2003 – 2005	Carolina Molina Lowe, Pharm.D. Candidate, Infectious Diseases Scholarly Program Student. Effects of BSEP Activity on The Development of Hepatotoxicity of Antiretroviral Agents
2004 – 2005	Wole Johnson, BS Candidate, Durham Technical Institute, North Carolina Transfer Assistance in the Biomedical Sciences Scholar
2005 – 2006	Christina Sarrubbi, Pharm.D. Candidate, Research Honor Student Comparison of 3 Hour Omeprazole and 5-hydroxyomeprazole Concentration Ratios to 24 Hour AUC Ratios as a Measure of Hepatic CYP2C19 Activity
2005 – 2007	Irene La, Pharm.D. Candidate, Research Honor Student Evaluating the Effects of Tipranavir (with Ritonavir) Capsule and Liquid Formulation on Cytochrome P450 and P-glycoprotein Activity Using a Biomarker Cocktail in Healthy Human Volunteers.
2006 – 2007	Amanda Jones, Pharm.D. Candidate, Research Elective Student Erythromycin Breath Test: A basis for sex differences, and lack of effect of CYP3A5 expression and <i>MDR1</i> genotypes
2006 – 2007	Kevin Brown, Pharm.D. Cadidate, Clinical Specialists Program

The Relationship Between Drug Metabolizing Enzyme and Drug Transporter Genotypes and Nevirapine Exposure in HIV-Infected Malawian Adults and Children

2007 – 2009	Allison Pecha, Pharm.D. Candidate, Research Honor Student A Phase I, Open Label, Study in Healthy Female Subjects to Investigate the Extent of Maraviroc Exposure in Blood, Cervicovaginal Fluid, Vaginal Tissue and to Investigate CCR5 Receptor Saturation in Cervicovaginal Mononuclear Cells and Peripheral Blood Mononuclear Cells, Following Single and Multiple Dosing of Maraviroc.
2009 – 2011	Brianna Franklin, Pharm.D. Candidate, Research Honor Student Maraviroc as an Agent for HIV Prevention (MAP). A Phase IV Open-Label Study to Characterize the Relationship Between Single-Dose Maraviroc Concentrations in Cervical and Vaginal Tissues of Women and Their Ability to Inhibit HIV Infection in an Ex-Vivo Explant Culture Model.
2010 – 2013	Maya Wai, PharmD Candidate, Research Honor Student A Phase I, Open Label, Study in Healthy Female Subjects to Describe GSK1349572 Exposure in Blood, Cervicovaginal Fluid, and Cervical and Vaginal Tissue Following Single and Multiple Dosing of GSK1349572
2014, Spring Semester	Angela Kashyap, PharmD Candidate, Research Elective Mucosal Pharmacokinetics of Tenofovir Alafenamide Fumarate (GS-7340)
2014 – 2016	Amanda Malone, PharmD Candidate, Research Honor Student Mucosal Pharmacokinetics of Tenofovir Alafenamide Fumarate (GS-7340)
2014 – 2017	Ashley Moody, PharmD Candidate, Research Honor Student Antiretroviral Exposure within the Central Nervous System of Preclinical Models of HIV Infection
2015 (summer)	John Jones, PharmD Candidate, SBTDC/ESOP Intern, EDGE Office
2015 – 2019	Ashlyn Norris, PharmD Candidate AFPE Gateway Recipient Antiretroviral Drug Distribution in Nonhuman Primate Testes
2018 – 2019	Ashley Saunders, PharmD Candidate The Use of Mass Spectroscopy Imaging to Measure Drug Adherence in Hair

UNC Eshelman Innovation Institute Young Innovator Program Students

Summer 2018	Suleman Qamar, Panther Creek High School Bryan Yam, Chapel Hill High School
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UNC Hospitals Residents

2000 – 2001	Amanda Corbett, Pharm.D., Infectious Diseases Specialty Resident
2001 – 2002	Brian Donovan, Pharm.D., Infectious Diseases Specialty Resident

UNC School of Medicine Students

2006 – 2007 Rebecca Werner, BS

UNC School of Medicine Fellows

2000 – 2003 Sherene Min, M.D., Infectious Diseases Fellow

2002 – 2003 Esam Hamed, M.D., Anesthesiology Fellow

UNC Building Interdisciplinary Research Careers in Women's Health (BIRCWH K12) Scholars

2003 – 2005 Kristine Patterson, M.D., Assistant Professor, Division of Infectious Diseases, Department of Medicine

UNC Center for AIDS Research Investigators

1999 – 2000 Jose F. Rodrigues, Ph.D., University of Puerto Rico

2000 – 2002 John Rublein, Pharm.D., UNC Chapel Hill

2002 – 2006 Susan Cu-Uvin, MD, Brown University

2004 – 2005 Amanda Corbett, Pharm.D., UNC Chapel Hill

Rebecca Dillingham, M.D., University of Virginia

2008 – 2013 Gretchen Stuart, M.D., UNC Chapel Hill

UNC Interdisciplinary Clinical Research Career Development (KL2) Program

2010 – 2017 Gary Asher, MD, Assistant Professor, UNC Dept of Family Medicine

UNC Research Apprenticeship Program Students

2006 Mahmoud Salameh
Junior, Farmville High School, NC

UNC Postbaccalaureate Research Education Program (PREP)

2017 – 2018 Bryan Guzman, BS
University of Puerto Rico
R25 GM089569 (unfunded – lab supported)

2018 – 2019 Micah Willis, BS
North Carolina Central University
R25 GM089569 (funded)

Undergraduate Students

2006 – 2007 Ji Song Kim (UNC biochemistry major)
Saed Adwalla (UNC chemistry major)

2007 Janice McMillan (Oberlin chemistry major)
Robert Hartley (Oberlin chemistry major)

2008 Sam Alfiler (Oberlin chemistry major)

International Students

2003 Mwayi Kazembe, Malawi, Africa,
UNC Research Apprenticeship Program

2005 Susan Pendame, Malawi, Africa
UNC Research Apprenticeship Program

INVESTIGATOR-INITIATED REFEREED GRANTS and CONTRACTS (136):

NEW AWARDS FOR KASHUBA LABORATORY 2021

1. Johnson, L, Principal Investigator. Kashuba, A, Consortium PI. Long-Acting Prevention Implantable System (LAPIS). NIH/Research Triangle Institute. 1R01SI152713-01, \$197,191. 4/01/2021- 3/31/2023

NEW AWARDS FOR KASHUBA LABORATORY 2020

1. Cottrell, Mackenzie, Principal Investigator. Kashuba, Angela, Investigator. Breast Milk Pharmacokinetics of Vemlidy® (Tenofovir Alafenamide: TAF) After its use in the Prevention of Mother-to-Child Transmission in the Setting of Hepatitis B Virus (HBV) infection. 8/01/2020-7/31/2021. Southwest Sydney Local Health District. \$71,868.
2. Cottrell, Mackenzie, Principal Investigator. Development of bioanalytical methods for EFdA. 3/5/2020–10/30/2020. Bill and Melinda Gates Foundation. \$52,520.
3. Johnson, L, Principal Investigator. Cottrell M, Co-Investigators. Delivery of Antiretrovirals via Implantable System for Young children (DAISY). Research Triangle Institute. Subaward Number 1-340-0217444-65953L/NIAID Grant 1R61AT149499-01/PO 65235, \$86,238. NIAID 03/15/2020 – 07/23/2020
4. Benhabbour, R, Principal Investigator. Cottrell M, Co-Investigator. Next Generation Multipurpose Intravaginal Ring Technology Using Innovative CLIP 3D Printing. 5R01AI150358. 5% effort. \$14,212; 12/1/2020 – 11/30/2021

NEW AWARDS FOR KASHUBA LABORATORY 2019

5. Cottrell, Mackenzie, Principal Investigator. Feminizing Sex Hormones Impact on PrEP Pharmacology in Transgender Women. 2019-2021. NIH NIAID. \$287,052.
6. **Kashuba ADM, Principal Investigator.** Single Dose Pharmacokinetics of Doravirine in HIV-infected Pregnant Women. Merck 2019-2021. \$300,000.
7. Johnson, L, Principal Investigator. Cottrell M, Co-Investigators. Systemic Prevention of HIV in Women – SCHIELD Preclinical. Research Triangle Institute. Subaward Number 4-340-0216030-65235L/PO 65235, USAID 07/24/2019 – 07/23/2020
8. Heredia, A, Principal Investigator. Cottrell M, Co-Investigators. Impact of concomitant chemotherapy on HIV resistance to cART and reservoir size. NIH NCI R01CA233441. \$65,071. 5/13/2019-12/31/2023.
9. Hightow-Weidman, L, Principal Investigator. Cottrell M, Co-Investigators. The UNC/Emory Center for Innovative Technology (iTech) across the prevention and care continuum. NIH NCHD U19HD089881. \$20,617. 6/1/19-5/31/20.
10. Gummuluru, Principal Investigator. Cottrell M, Co-Investigators. GM3 Nanoparticles for Sustained Delivery of Anti-Retrovirals to Lymphatic Tissues. NIH 5R01AI132111-03. \$66,298. 11/1/2019 – 10/31/2022.
11. Garcia-Martinez, Principal Investigator. Cottrell M, Investigators. Ultra-long acting in-situ forming implant (ISFI) for antiretroviral drug delivery, incl. EFdA. Bill and Melinda Gates Foundation, OPP1203712. \$42,266. 6/6/2019-9/9/2022

NEW AWARDS FOR KASHUBA LABORATORY 2018

12. Gilliland, Mac, Principal Investigator. **Kashuba A** and Rosen E, **Co-investigators**. Merican Society for Mass Spectrometry Postdoctoral Career Development Award. \$10,000. 6/1/2018-5/30/2019
13. Benhabbour, R, Principal Investigator. **Kashuba, Angela, Co-Investigator**. Innovative 3D Printed Intravaginal Rings: Reengineering Multipurpose Intravaginal Rings for Prevention of HIV, STIs and Unintended Pregnancy. R61 AI136002. 10% effort. \$300,000; 08/08/2018 – 07/31/2020
14. Adimora, A, Principal Investigator. **Kashuba, Angela, Co-Investigator**. UNC MACS/WIHS Combined Cohort Study Clinical Research Site. NIH/NHLBI. 5% effort. \$3,500,946; 1/01/2019 – 12/31/2025
15. Heredia, A. Principal Investigator. **Kashuba, Angela, Co-Investigator**. Impact of Concomitant Chemotherapy on HIV Resistance to cART and Reservoir Size. R01 CA233441 Subaward. 3% effort; \$49,951; 9/01/2018 – 8/31/2023
16. Batchelor, K. Principal Investigator. **Kashuba, Angela, Co-Investigator**. Novel Biguanides to Treat Type 2 Diabetes. R44 DK096803. \$150,000. 4/02/2018 – 3/31/2020

NEW AWARDS FOR KASHUBA LABORATORY 2017

17. Buse, J, Principal Investigator. **Kashuba, Angela, Co-Investigator**. North Carolina Translational & Clinical Sciences Institute (NC TraCS). UL1 TR002489 (NCATS). 5% Effort. 5/1/2017 – 4/30/22.
18. Donacel, G, Principal Investigator. Cottrell M, Co-Investigator. Exploratory Pharmacokinetic and Pharmacodynamic Study of Oral F/TAF for the Prevention of HIV Acquisition. CONRAD. 2017-2019. USAID. \$1,226,101.
19. Tang, J, Principal Investigator. Cottrell M, Co-Investigator. A prospective cohort of HIV-infected Malawian women on Efavirenz initiating the Levonorgestrel Implant or the Depot Medroxyprogesterone Acetate Injectable. NIH NICHD R01-HD088279. \$5,374. 7/1/2017-6/31/2020

NEW AWARDS 2016

20. Sharon Lewin, Principal Investigator, **Kashuba ADM Co-Investigator**. Long term persistence of HIV in the liver and the clinical impact on HIV-HBV co-infection. National Health and Medical Research Council. \$70,173.00. 10/1/2017 – 9/30/2020.
21. Margolis D, Principal Investigator. **Kashuba ADM Co-investigator**. QURA - Project 1 - Round 2 - Discovery, Development and Testing of Latency Reversing Agents. Qura Therapeutics LLC. \$192,173.94. 1/1/2017 – 12/31/2017.
22. Hightow L, Principal Investigator, **Kashuba ADM Co-Investigator**. The UNC/Emory Center for Innovative Technology (iTech) across the prevention and care continuum. U19 (Adolescent Trials Network) (NIAID). \$19,000,000. 7/1/2016 – 6/30/2021.
23. **Kashuba ADM, Principal Investigator**. Brigham and Women's Hospital subcontract for the AIDS Clinical Trial Group (ACTG) UM1 AI068636 (NIAID). \$16,000. 2016-2017.

24. Margolis, D Principal Investigator, **Kashuba ADM, Co-I.** Collaboratory of AIDS Researchers for Eradication (CARE). UM1 AI126619 (NIAID). 7/14/2016 – 7/13/2021. **\$17,271,300** (direct).
25. **Kashuba, ADM Principal Investigator**, Rosen E, Co-PI. Novel Mass Spectrometry Imaging Methods to Quantify Antiretroviral Adherence. \$5,395,638 (direct) R01AI122319. January 2016 – December 2020
26. Swanstrom R, Principal Investigator, **Kashuba ADM, Co-Investigator.** *UNC Center for AIDS Research (CFAR), Director, Pharmacology Core.* P30-HD37260, 6/2016 - 6/2020. \$5,500,000.00 (Core receives \$320,000 per year direct costs)

NEW AWARDS 2015

27. Boggess, C, Principal Investigator (UNC), **Kashuba ADM**, Co-PI. UNC Building Interdisciplinary Research Careers in Women's Health. \$1,524,694 (direct) K12 HD001441. September 2015 – July 2020.
28. Apetrei, C, Principal Investigator (University of Pittsburgh), **Kashuba ADM, Co-Investigator.** Animal Model of Testing SIV Latency Reversal Strategies. \$390,499 (direct) R01 AI119346. Aug 2015 – Jan 2020.
29. Wira C, Principal Investigator (Dartmouth College), **Kashuba ADM, Co-Investigator.** Chemical Contraceptive Control of Microbicides in the Female Reproductive Tract. \$256,468 (direct) R01 AI117739. Feb 2015 – Jan 2019.
30. **Kashuba ADM, Principal Investigator.** Dose Proportionality of TFV-DP in Mucosal Tissue, and Endogenous Nucleotide Quantification, After a Single Dose of GS-7430 in Women. \$866,691 (direct). Gilead. March 2015 – September 2016.
31. Ambrose, Z, Principal Investigator (University of Pittsburgh), **Kashuba ADM, Co-Investigator.** Visualization of in vivo HIV-1 vaginal transmission in the presence and absence of PrEP. \$100,000 (direct). R01 AI116276. 2015-2016.

NEW AWARDS 2014

32. **Kashuba ADM, Principal Investigator.** A Phase IV, Open-Label Study to Compare Virologic and Immunologic Responses to Raltegravir and Dolutegravir in the Gastrointestinal Tract of HIV-Positive Men and Women. \$316,377 (direct). Merck. October 2014 – September 2015.
33. **Kashuba ADM, Principal Investigator.** Multi-Species Mechanisms of Drug Bio-distribution in HIV Tissue Reservoirs. R01 AI111891 \$4,400,000 (direct). March 15, 2014 – February 28 2019.
34. **Kashuba ADM.** Lab service for In Vivo Drug Interaction Pharmacokinetic Study of Tenofovir 1% Gel and Three Commonly Used Vaginal Products, Protocol A11-118. CONRAD. 06/01/2014 – 05/31/2015. \$73,151 (direct).
35. **Kashuba, ADM, Co-Investigator.** Lab service for assessing the effect of contraception and the menstrual cycle on pharmacokinetics, pharmacodynamics and vaginal safety in tenofovir vaginal gel users. USAID. 1/1/2014 – 08/30/2014. \$160,538 (direct).
36. **Kashuba ADM, Principal Investigator.** Lab service for A Phase I Clinical Trial Assessing the Safety, Pharmacokinetics, Pharmacodynamics, and Disintegration Time

of Vaginal Tablets Containing Tenofovir and/or Emtricitabine, Protocol A11-117.
1/1/2014 – 8/31/2014. \$321,084.00 (direct)

37. **Kashuba ADM**, Co-Investigator. (PI: Z Ambrose, University of Pittsburgh) Visualization of in vivo HIV- vaginal transmission in the presence and absence of PrEP. R01 AI116276, 12/1/2014 – 11/30/2019. \$2,500,000
38. **Kashuba ADM**, Co-Investigator. (PI: H Reese, Wits reproductive Health and HIV institution) FACTS001 SLA – A phase III multi-center, randomized controlled trial to assess the safety and effectiveness of the vaginal microbicide 1% tenofovir gel in the prevention of HIV-1 infection in young women. 7/1/14 – 6/30/16. \$71,497 (direct).
39. **Kashuba ADM**, Co-Investigator. (PI: J Passmore, Doris Duke Medical Research Institute) Inflammation and HIV risk; understanding partial tenofovir efficacy in CAPRISA004. R01 AI111936. 7/10/14-5/31/16. \$50,000 (direct).
40. **Kashuba ADM**, Co-Investigator. (PI: B Jackson, JHU). Johns Hopkins Purchase Agreement for IMPAACT Study. UM1 AI068632. 1/1/14-11/30/14. \$35,550 (direct).

NEW AWARDS 2013

41. Doncel, G. Principal Investigator (EVMS), **Kashuba ADM, Co-Investigator**. Influence of female reproductive cycle and menopause on cervicovaginal tissue susceptibility to HIV-1 infection and tenofovir gel activity. R01 HD072705. Supplement \$43,977.00 (direct).
42. Garcia-Martinez JV, Principal Investigator, **Kashuba ADM and Mumper R, Co-Investigators**. Next Generation Pre-exposure Prophylaxis. R01 AI096138 (NIAID). Supplement 7/01/2013 – 6/30/2015. \$121,912 (direct).
43. **Kashuba ADM**. UNC Center for AIDS Research Supplement to Purchase Imaging Mass Spectrometer. Supplement to 5P30 AI0504108/1/2013-7/31/2014 \$450,000.00 (direct)
44. Kapito-Tembo, A, Principal Investigator (UNC Project Malawi). **Kashuba ADM, Co-Investigator**. Pharmacovigilance of infants exposed to antiretroviral drugs given to HIV-infected mothers during breastfeeding in Malawi. International AIDS Society Collaborative Initiative for Pediatric HIV Education and Research. 8/2013 – 7/2015. \$150,000.00 (total)
45. Bose, C, Principal Investigator (UNC-CH). **Kashuba ADM, Consultant**. A Strategy to Reduce Stunting of Growth in Early Infancy: A Global Network Study. U10 HD076465 (NICHD). 5/3/2013 - 4/30/2018. \$3,204,360.00 (total)
46. Herrera, C, Principal Investigator (Univ of London Imperial College). **Kashuba ADM, Co-Investigator**. Mucosal tissue explants as surrogates for in vivo efficacy of microbicides. R21 AI094515 (NIAID) 2/2013 – 6-2014. \$ 166,539 (direct).

NEW AWARDS 2012

47. Adimora, A, Principal Investigator (UNC-CH). **Kashuba ADM, Co-Investigator**. University of North Carolina Women's Interagency HIV Study UNC WIHS. NIAID U01 AI103390. 1/1/2013 – 12/31/2017. \$11,877,470 (direct).

48. Hernandez, M, Principal Investigator (UNC-CH). **Kashuba ADM, Co-Mentor**. K23 ES021745 Down-regulation of Oxidant-Induced Airway Inflammation Through Modulation of NRF2. 8/2012 – 7/2017. \$1,033,004
49. **Kashuba ADM, Principal Investigator**. Preventing HIV Infection in Women: Targeting Antiretrovirals to Mucosal Tissues. U01 AI095031 (NIAID) Administrative Supplement 8/2012 – 7/2013. \$254,000 (direct).
50. Akkina, R, Principal Investigator (Colorado State University). **Kashuba ADM, Co-Investigator**. R01 AI100845 Modeling Next Generation HIV PrEP in Humanized Mice 6/1/2012 – 5/31/2015 \$2,066,745 (direct).
51. **Kashuba ADM, Principal Investigator**. ULPC-MS/MS to Support Preclinical and Clinical Pharmacology Studies in HIV Treatment and Prevention". Institutional Development Grant Program. North Carolina Biotechnology Center. \$200,000.00 (direct).
52. Katz, D, Principal Investigator (Duke University), **Kashuba ADM, Co-Investigator**. R01 HD072702 Novel Determination of Microbicide Pharmacokinetics In Women's Reproductive Health.7/1/2012 – 6/30/17 \$2,313,000 (direct).
53. **Margolis, D**. Principal Investigator (UNC). Kashuba ADM, Co-Investigator. A Phase I/II Investigation of the Effect of Vorinostat (VOR) in HIV Infection. U01 AI095052. 4/1/2012 – 3/31/2016 \$576,704 (direct).
54. Schwartz, J, Principal Investigator (EVMS), **Kashuba, ADM, Co-Investigator**. Assessing the effect of contraception and the menstrual cycle on pharmacokinetics, pharmacodynamics and vaginal safety in tenofovir vaginal gel users. USAID. 1/1/2012 – 08/30/2014. \$160,538 (direct).
55. Doncel, G Principal Investigator (EVMS), **Kashuba, ADM, Co-Investigator**. Enhancing protective activity of topical tenofovir against HIV-1 infection . NIAID U19 . 12/1/2012 – 11/30/2017 \$409,644.00 (direct, subcontract)
56. Doncel, G. Principal Investigator (EVMS), **Kashuba ADM, Co-Investigator**. Differential HIV Infection and Tenofovir Activity in Pre and Postmenopausal women. R01 HD072705. \$409,644.00 (direct, subcontract).
57. Stuart, G. Principal Investigator (UNC-CH). **Kashuba ADM, Co-Investigator**. Pharmacokinetics, pharmacodynamics, and genital tract viral shedding in HIV+ women using combined oral contraceptives and raltegravir. Merck COC-ARV 012012. Merck, Sharp, and Dohme. 5/30/2012 – 5/29/2015. \$387,748.91 (direct).
58. **Kashuba ADM, Principal Investigator** Lab service for A Phase I Clinical Trial Assessing the Safety, Pharmacokinetics, Pharmacodynamics, and Disintegration Time of Vaginal Tablets Containing Tenofovir and/or Emtricitabine, Protocol A11-117. 9/1/2012 – 8/31/2014. \$321,084.00 (direct)

NEW AWARDS 2011

59. **Kashuba ADM, Principal Investigator**. Truvada For Prevention of HIV In Women (FemPrEP). 0437.0158/805273. FHI360. 7/2011 – 06/2013. \$417,020 (direct)

60. **Kashuba ADMK, Principal Investigator.** HIV Vaccine Trials Network Laboratory Program. Fred Hutchinson Cancer Research Center. 8/18/2011 – 8/17/2013. \$295,200.
61. **Kashuba ADM, Principal Investigator.** Preventing HIV Infection in Women: Targeting Antiretrovirals to Mucosal Tissues. U01 AI095031 (NIAID) 8/2011 – 7/2014. 1,479,082 (direct).
62. **Kashuba ADM, Principal Investigator.** UPLC-MS/MS to Support Preclinical and Clinical Antiretroviral Pharmacology Studies. S10 RR026581 (NCRR) 8/2011 \$402,500 (direct).
63. Ju, S, Principal Investigator (EVMS), **Kashuba, ADM, Co-Investigator.** PPC-11-119: Pharmacokinetic and Pharmacodynamic Study of Tenofovir 1% Gel Using the BAT 24 Regimen Versus Daily and Pericoital Dosing. Eastern Virginia Medical School. 8/3/2011 – 8/2 2013 \$305,893 (direct).
64. Schwartz, J, Principal Investigator (CONRAD), **Kashuba ADM, Co-Investigator.** Influence of female reproductive cycle and menopause on cervicovaginal tissue susceptibility to HIV-1 infection and tenofovir gel activity. CONRAD. 8/4/2011 – 8/3/2013.\$166,193 (direct)
65. Swanstrom R, Principal Investigator, **Kashuba ADM Co-Investigator.** HIV Tropism, Persistence, Inflammation, and Neurocognition in Therapy Initiation. P01 MH094177. \$5,000,000 NIMH 8/22/2011 – 5/31/2016
66. **Kashuba ADM, Principal Investigator.** CO-US-106-0104 Phase IIb Trial to assess the safety and effectiveness of the vaginal microbicide 1% tenofovir gel for the prevention of HIV infection in women in South Africa. Gilead Sciences. 8/12/2011 – 8/11/2012. \$168,000
67. Margolis D, Principal Investigator, **Kashuba ADM Co-Investigator and Clinical Pharmacology Core Director.** Martin Delaney Collaboratory to Eradicate HIV-1 Infection. U19 AI096113 (NIAID). 7/01/2011 – 6/30/2016. **\$24,590,259** (direct) (Core receives \$300,000 per year direct costs).
68. Garcia-Martinez JV, Principal Investigator, **Kashuba ADM and Mumper R, Co-Investigators.** Next Generation Pre-exposure Prophylaxis. R01 AI096138 (NIAID). 7/01/2011 – 6/30/2015. \$1,999,036 (direct).
69. **Kashuba ADM, Principal Investigator,** Patterson KB, Co-Investigator. A Phase I, Open Label, Study in Healthy Male Subjects to Describe GSK1349572 Exposure in Blood, Semen, and Rectal Tissue Following Single and Multiple Dosing of GSK1349572. Investigator-initiated research grant. GlaxoSmithKline. 010/2011 – 09-2013. \$368,000
70. **Kashuba ADM, Principal Investigator,** Patterson KB, Co-Investigator. A Phase I, Open Label, Study in Healthy Female Subjects to Describe GSK1349572 Exposure in Blood, Cervicovaginal Fluid, and Cervical and Vaginal Tissue Following Single and Multiple Dosing of GSK1349572. Investigator-initiated research grant. GlaxoSmithKline. 05/2011 – 04-2013. \$300,000
71. Swanstrom R, Principal Investigator, **Kashuba ADM, Co-Investigator.** *UNC Center for AIDS Research (CFAR), Director, Pharmacology Core.* P30-HD37260, 6/2011 - 6/2016.\$5,500,000.00 (Core receives \$320,000 per year direct costs)

72. **Kashuba, ADM, Principal Investigator.** Duke Acyclovir Subcontract for Contract No HHSN275201000003I under Task Order No HHSN27500005 funded by NIH NICHD. \$48,634.
73. Dumond, JD, Principal Investigator; **Kashuba ADM Mentor and Co-Investigator** Optimizing Antiretroviral Use In Aging: Pharmacokinetics, Response, And Toxicity. K23AI093156 (NIAID). March 2011- February 2016 \$540,595 (direct).
74. Brouwer KL, Watkins PB, Benjamin DK, Principal Investigators. **Kashuba ADM Co-Investigator (Co-Director, Clinical Pharmacology Fellowship)** UNC-Duke Collaborative Clinical Pharmacology Postdoctoral Training Program. T32 GM086330 (NIGMS). July 2011 – June 2016. \$2,043,611

NEW AWARDS 2010

75. **Kashuba ADM.** Principal Investigator. Antiretroviral Drug Exposure in Phase III Clinical Studies of a Novel Compound to Reduce HIV-Associated Diarrhea. Salix Master Services Agreement. 10/2010 - 9/2011. \$125,740.00
76. **Kashuba ADM.** Principal Investigator, Subcontract from NICHD (D Benjamin, PI). Intestinal Meropenem Metabolism and Disposition in Young Infants (<91 DAYS). 6/2010 - 9/2010. \$314,890.00
77. Patterson KB, **Kashuba ADM Co-Investigators.** HPTN 066: Dose-Proportionality And Intra-Individual Variability Of Intracellular Tenofovir Diphosphate And Emtricitabine Triphosphate In Healthy Volunteers (DAIDS ID: 10851). A Study of the HIV Prevention Trials Network. January 2010 – August 2011. \$425,000.
78. Cohen-Wolkowicz M, Principal Investigator. **Kashuba ADM Co-Mentor.** Pharmacokinetics and Pharmacodynamics of Antibiotics in Premature Infants. K23HD064814. 8/15/2010 – 7/31/2015. \$577,370 (direct)
79. Kashuba ADM. Co-Investigator. (PI: M Cohen UNC). HIV in semen – effects of STDs and antiviral therapy. R37 DK049381. 5/1/10 – 4/30/15. \$2,125,000.
80. **Kashuba ADM.** Principal Investigator. The Mucosal Tissue Model for HIV Infection and Antiretroviral Protection. CFAR Supplement. NIAID 09/2010 – 09/2011. \$200,000.
81. **Kashuba ADM,** Patterson KB Co-Principal Investigators. A Phase IV, Open-Label Study to Characterize the First-Dose and Multiple-Dose Pharmacokinetics of Raltegravir in the Gastrointestinal Tract of Healthy Male Volunteers. Investigator-initiated research grant. Merck Inc. 09/2010 – 09-2012. \$410,000
82. **Kashuba ADM,** Patterson KB Co-Principal Investigators. Raltegravir pharmacokinetics in the 2nd and 3rd trimesters of pregnancy. Investigator-initiated research grant. Merck Inc. 09/2010 – 09-2011. \$140,000
83. Dumond, JB, Principal Investigator, **Kashuba ADM Co-Investigator.** Atripla Pharmacokinetics in the Aging HIV-Infected Population. UNC TraCS Grant 3/2010-2/2011. \$50,000.00.

NEW AWARDS 2009

84. **Kashuba ADM.** Principal Investigator, Subcontract from NICHD (D Benjamin, PI). Development of a Pharmacokinetic Algorithm to Improve Outcomes in Neonates. 9/2009 – 6/2010. \$110,000.00

85. **Kashuba ADM, Principal Investigator.** Preventing HIV Infection in Women: Targeting Antiretrovirals to Mucosal Tissues. R34 AI087065 (NIAID). December 2009- November 2010. \$111,000.00
86. Dumond, JB, Principal Investigator, **Kashuba ADM Co-Investigator.** Atripla Pharmacokinetics in the Aging HIV-Infected Population. Society of Infectious Diseases Pharmacists. 9/2009-0/2010. \$10,000.00.
87. Cohen, MS, Principal Investigator, **Kashuba ADM Co-Investigator.** HIV in Semen: Effects of Antiviral Agents. NIDDK R37 DK049381 Supplement. 9/2009 – 9/2010. \$100,000.00.

NEW AWARDS 2008

88. Floris-Moore M Principal Investigator, **Kashuba ADM Co-Investigator.** Antiretroviral Activity and Tolerability of TMC-125 in Treatment-Naive Adults with HIV-1 Infection. Tibotec Pharmaceuticals (Investigator-initiated research). 11/05/2008 - 12/31/2009. \$786,648.96
89. **Kashuba ADM,** Patterson KB, Co-Principal Investigators. First-Dose and Steady-State Pharmacokinetics of Raltegravir in the Genital Tract of HIV-Infected and HIV Uninfected Women. Merck (Investigator-initiated research). 4/2008 – 4/2009. \$196,420.00.
90. **Kashuba ADM,** Patterson KB Co-Principal Investigators. A phase IV open-label study to characterize extracellular and intracellular tenofovir/emtricitabine residues in multiple biological matrices after a single dose: implications for pre-exposure HIV prophylaxis dosing of Truvada®. Gilead (Investigator-initiated research). 3/2008 – 3/2009. \$259,913.00
91. **Kashuba ADM,** Patterson KB Co-Principal Investigators. A phase IV, open label study in healthy male subjects to investigate the extent of darunavir/ritonavir exposure in blood, seminal fluid, and rectal mucosal tissue, following single and multiple dosing of darunavir/ritonavir and TMC 125 in treatment and prevention settings. Tibotec (Investigator-initiated research). 3/2008 – 3/2009. \$300,000.00
92. **Kashuba ADM,** Patterson KB Co-Principal Investigators. A phase IV, open label study in healthy male subjects to investigate the extent of maraviroc exposure in blood, saliva, seminal fluid, and rectal mucosal tissue following single and multiple dosing. Pfizer Inc (Investigator-Initiated Research). 3/2008 – 3/2009. \$293,789.00
93. Patterson KB, Principal Investigator, **Kashuba ADM** and Eron JJ **Co-Mentors.** Sex, Aging, and Antiretroviral Pharmacology. NIAID K23 AI077355. 2/2008 – 1/2013. \$800,000.00
94. Shulman, N, Principal Investigator, **Kashuba ADM Co-Investigator.** Feasibility of CCR5 Inhibitors in Preventing Maternal to Infant SIV Transmission. NIAID. R03 AI074465. 1/2008 – 12/2009. \$100,000.

NEW AWARDS 2007

95. **Kashuba ADM,** Patterson KB, Co-Principal Investigators. Comparison of Darunavir/Ritonavir and Etravirine Exposure in the Genital Tract of Pre- and Post-menopausal Women, to Exposure in Blood Plasma. Tibotec Virco, Inc. (Investigator-Initiated) 1/2007 – 1/2009. \$95,000.00
96. **Kashuba ADM,** Patterson KB, Co-Principal Investigators. The Effect of Pregnancy on the Pharmacokinetics of the Kaletra Tablet: A Longitudinal Investigation in the Second

and Third Trimesters Including Empiric Dosage Adjustment. Abbott, Inc. (Investigator-Initiated Research) 1/2007 – 1/2010. \$187,000.00

97. **Kashuba ADM, Principal Investigator.** A Phase I, Open Label, Study in Healthy Female Subjects to Investigate the Extent of Maraviroc Exposure in Blood, Cervicovaginal Fluid, Vaginal Tissue and to Investigate CCR5 Receptor Saturation in Cervicovaginal Mononuclear Cells and Peripheral Blood Mononuclear Cells, Following Single and Multiple Dosing of Maraviroc. Pfizer Inc. (Investigator-Initiated Research) 1/2007 – 1/2009. \$349,000.00.

NEW AWARDS 2006

98. **Kashuba ADM, Principal Investigator.** A Phase I Pharmacokinetic Evaluation of Single and Multiple Doses of Tenofovir 1% Gel in Blood Plasma, Cervicovaginal Secretions, and Vaginal Tissue in Healthy Volunteers. CONRAD. 12/2006 – 1/2009. \$140,000.00
99. **Kashuba ADM, Principal Investigator** (Alan Forrest, mentor). American College of Clinical Pharmacy Infectious Disease Practice Research Network Minisabbatical. 2006-2007. \$3,500.00
100. **Kashuba ADM, Principal Investigator.** The Effect Of Tipranavir/Ritonavir On Steady-State Concentrations Of Omeprazole And Its Metabolites. Boehringer Ingelheim Pharmaceuticals, Inc. 12/2006 – 2/2007. \$51,100.00
101. Fried, M, Principal Investigator, **Kashuba ADM Co-Investigator.** Effect of Silymarin on Fibrosis in Patients with Hepatic Disease (NCAM 1U01-AT003560) 2006 – 2010. \$2,500,00.00
102. **Kashuba ADM, Principal Investigator.** Ortho-McNeil Infectious Diseases Academic Fellowship. American College of Clinical Pharmacy. 2006 – 2007 \$42,000.00.
103. Swanstrom R, Principal Investigator, **Kashuba ADM, Co-Investigator.** *UNC Center for AIDS Research (CFAR), Director, Pharmacology Core.* P30-HD37260, 6/2006 - 6/2011. \$5,500,000.00 (Core received \$298,000 per year direct costs)
104. **Kashuba ADM, Principal Investigator,** Evaluating the Effects of Tipranavir (with Ritonavir) Capsule and Liquid Formulation on Cytochrome P450 and P-glycoprotein Activity Using a Biomarker Cocktail in Healthy Human Volunteers. Boehringer Ingelheim Pharmaceuticals, Inc. (Investigator-Initiated Research) 2/2006 – 2/2007. \$1,668,280.00

NEW AWARDS 2005

105. **Kashuba ADM, Principal Investigator,** Shimadzu LC/MS Grant for Academic Institutions. 07/2005. \$65,000.00

NEW AWARDS 2004

106. **Kashuba ADM, Principal Investigator,** Society for Infectious Diseases Pharmacists Research Fellowship (for Rosa Yeh, Pharm.D. HIV Pharmacology Fellow) 09/2004 – 09/2005. \$25,000.00
107. **Kashuba ADM. Principal investigator.** University of North Carolina ACTU Pharmacology Support Laboratory. Adult AIDS Clinical Trials Group. DAIDS (NIH). 1/2004-12/2005. \$560,000.00

NEW AWARDS 2003

108. **Kashuba ADM, Principal investigator.** Rate and extent of tenofovir (TDF:Viread) exposure in the female and male genital tract; implications for sexual post-exposure prophylaxis of HIV-1. Gilead (Investigator-Initiated Research), 2003-2004. \$175,420.00.
109. **Kashuba ADM, Principal Investigator.** Evaluating the Effects of Lopinavir/Ritonavir (Kaletra) on Cytochrome P450 Activity Using A Biomarker Cocktail in Healthy Human Volunteers. Abbott (Investigator-Initiated Research), 2003-2004. \$60,495.00
110. **Kashuba ADM, Principal Investigator.** Antiretroviral Pharmacology In The Genital Tract, \$767,262.00. K23 AI54980 4/1/03 – 3/31/08.

NEW AWARDS 2002

111. **Kashuba, ADM, Principal Investigator.** Antiretroviral Pharmacology in the Genital Tract: Can We Affect HIV Transmission? Center for AIDS Research Supplemental Funding. 2002 – 2003 \$49,757.00.
112. Cu-Uvin S, Principal Investigator, **Kashuba ADM, Co-Investigator.** Antiviral Therapy and HIV in the Genital Tract of Women. NIAID (AI40350) 2003 – 2008 \$2,491,114.00
113. **Kashuba, ADM, Principal Investigator.** The Pharmacokinetic Interaction of a Triple Protease Inhibitor Regimen Containing Fosamprenavir, Lopinavir and Ritonavir in Healthy Volunteers. GlaxoSmithKline (Investigator Initiated Research), 2002-2003. \$59,000.00
114. **Kashuba ADM, Principal Investigator.** Quantifying the 2-Way Drug Interaction Between Lopinavir/Ritonavir (Kaletra®) and Phenytoin Under Steady-State Conditions in Healthy Human Volunteers. Abbott Laboratories (Investigator Initiated Research), 2002 – 2003. \$162,660.00
115. Tidwell, R, Principal Investigator, **Kashuba ADM, Co-Investigator.** *API 3000 LCMS/MS System.* NCCR Shared Instrumentation Grant. 2002. \$430,830.00
116. Hawke R, Principal Investigator, **Kashuba ADM Co-Investigator.** Pharmacogenetics in the Elderly II: Investigation of Major CYP3A Polymorphisms on the Regulation of CYP3A Activity in Elderly African American Women. UNC Center on Minority Aging, 2002. \$16,090.64
117. **Kashuba ADM, Principal Investigator.** Ortho-McNeil Infectious Diseases Academic Fellowship. American College of Clinical Pharmacy. 2002 – 2003 \$20,000.00.

NEW AWARDS 2001

118. Swanstrom R, Principal Investigator, **Kashuba ADM, Co-Investigator.** *UNC Center for AIDS Research (CFAR), Pharmacology Core.* P30-HD37260, 6/2001 - 6/2006.\$5,500,000.00 (Core awarded \$200,000 directs per year)
119. van der Horst C, Principal Investigator, **Kashuba ADM, Co-Investigator.** *Postnatal Health Practices and Alternatives for HIV Infected Mothers and Their Infants.* CDC Special Interest Project. 2001-2003; \$2,700,000.00.
120. **Kashuba ADM, Principal Investigator,** Eron J, Co-Investigator. *Efficacy, Safety, and Pharmacokinetics of An Amprenavir 600mg/Saquinavir 800mg/Ritonavir 100mg BID – Based Antiretroviral Salvage Regimen.* GlaxoSmithKline (investigator-initiated research), 2001-2002; \$22,000.00

121. Hawke R, Principal Investigator, **Kashuba ADM Co-Investigator**. *Pharmacogenetics in the Elderly: Understanding the Effects of Age and Major Genetic Polymorphisms on the Regulation of CYP3A Activity in African American Women*, UNC Center on Minority Aging, 2001. \$29,999.65

NEW AWARDS 2000

122. Cohen, MS, Principal Investigator, **Kashuba ADM, Co-Investigator**. *HIV in Semen: Implications for Transmission*. R01 49381-2, 3/31/00-3/30/05.\$3,200,000.00

NEW AWARDS 1999

123. **Kashuba ADM, Principal Investigator**, *Penetration and Activity of Amprenavir in the Male Genital Tract: comparison of GW433908 and amprenavir*. Glaxo Wellcome (investigator-initiated research), 1999-2000; \$17,000.00
124. Campbell, WH, Principal Investigator, **Kashuba ADM, Co-Investigator**. *Rational Therapeutics for the Pediatric Population*, Agency for Health Care Policy and Research (AHCPR), Grant #: 1-U18-HS10397, 9/30/99 - 9/29/02; \$1,984,255.
125. **Kashuba ADM, Principal Investigator**, *Predicting Interleukin-2 Drug Interactions with a Human Kupffer Cell: Hepatocyte Coculture System*. Society for Infectious Diseases Pharmacists, October 1999 - October 2000; \$38,145.00
126. Scott CS, Principal Investigator, **Kashuba ADM, Co-Investigator**, *Pilot Study to Assess Activity of CYP1A2, CYP2D6, and CYP3A4 in Children with Cystic Fibrosis as Compared to Age and Gender Matched Controls*. UNC School of Pharmacy Seed Grant, June 1999 - June 2000; \$6,000.00.
127. **Kashuba ADM, Principal Investigator**, *Development of a population pharmacokinetic-pharmacodynamic (PK-PD) model and optimal sampling strategies for efavirenz in blood and seminal plasma*, DuPont Pharma Grant (Investigator-Initiated Research), October 1999 - October 2000; \$60,000.00

NEW AWARDS 1998

128. Swanstrom R, Principal Investigator, **Kashuba ADM, Co-Investigator**. *UNC Center for AIDS Research (CFAR), Pharmacology Core*. P30-HD37260, 6/1998 - 6/2001.\$5,500,000.00 (Core received \$197,000 direct costs per year)
129. **Kashuba ADM, Principal Investigator**, *Penetration of Liposome-Encapsulated AZT Diphosphate in Macrophages*, UNC Center for AIDS Research (CFAR) Grant, Oct 1998 - Oct 1999; \$10,000
130. **Kashuba ADM, Principal Investigator**, *Effect of IL-2, IL-10, and IL-12 on CYP3A Activity as Measured in the Human Hepatocyte Cell Culture Model*, UNC Junior Faculty Development Grant, Oct 1998 - Oct 1999; \$5,000
131. **Kashuba ADM, Principal Investigator**, *Effect of IL-2, IL-10, and IL-12 on CYP3A Activity as Measured in the Human Hepatocyte Cell Culture Model*, UNC School of Pharmacy Seed Grant, Oct 1998 - Oct 1999; \$5,200
132. **Kashuba A.D.M, Principal Investigator**, *Characterizing Cytochrome P450 Activity in HIV-1 Infected Women*, UNC Women's Health Task Force Grant, June 1998 - June 1999; \$10,000.00

133. **Kashuba A.D.M, Principal Investigator**, *Cytochrome P450 Activity in HIV-1 Infected Women*. Research Institute of the American College of Clinical Pharmacy, Bayer Infectious Disease Research Award, July 1998 - June 1999; \$10,000
134. **Kashuba A.D.M, Principal Investigator**, *Intra- and Interindividual Variability in the Activities of Cytochrome P450 IA2, IID6, and IIIA, and NAT-2 and Xanthine Oxidase as Measured by Phenotyping in Women Infected with HIV-1*, UNC Research Council Award, April 1998 - April 1999; \$2,850.00
135. **Kashuba A.D.M, Principal Investigator**, *Intra- and Interindividual Variability in the Activities of Cytochrome P450 IA2, IID6, and IIIA, and NAT-2 and Xanthine Oxidase as Measured by Phenotyping in Women Infected with HIV-1*, UNC Pharmacy Foundation Seed Grant, April 1998 - April 1999; \$7,312.00

NEW AWARDS 1997

136. **Kashuba A.D.M, Principal Investigator**, *Intra- and Interindividual Variability in the Activities of Cytochrome P450 IA2, IID6, and IIIA, and NAT-2 and Xanthine Oxidase as Measured by Phenotyping in Patients who are Infected with HIV-1*, UNC Pharmacy Foundation Seed Grant, November 1997 - November 1998; \$3,300.
137. **Kashuba A.D.M., Bertino J.S. Jr., Co-Principal Investigators**, *The Effect of Menstrual Cycle on Cytochrome P450 Activity*, Research Institute of the American College of Clinical Pharmacy, Wyeth-Ayerst Laboratories Women's Healthcare Research Award, July 1997 - June 1998; \$10,000.

MULTICENTER INDUSTRY-SPONSORED RESEARCH

Open-Label, Multiple-Dose, Drug Interaction Study to Assess the Effect of Famotidine with or without Tenofovir on the Pharmacokinetics of Atazanavir when given with Ritonavir in HIV-Infected Subjects

Phase IV Trial

Sponsor: Bristol-Myers Squibb

Role: Site Principal Investigator

Dates: October 2006 – October 2007

Contract: \$250,000

Precose: Resolution of Optimal Titration to Enhance Current Therapies

Phase IV Dose Titration Trial

Sponsor: Bayer Corporation

Role: Site Principal Investigator

Dates: September 1995-September 1996

PROFESSIONAL SERVICE

Adult AIDS Clinical Trials Group (AACTG)

2004 – 2006	Member, Experimental Therapeutics Research Agenda Committee
2004 – 2006	Vice-Chair, AACTG Pharmacology Committee
2004 – 2006	Member, HIV Research Agenda Committee Tipranavir Working Group
2004 – 2006	Director, UNC ACTG Pharmacology Support Laboratory
2002 – 2006	Member, Pharmacology Committee Gender Issues Working Group
2002 – 2004	Chair, Drug Interactions Working Group
2001 – 2002	Vice-Chair, Drug Interactions Working Group

2001 – 2004 Member, Women’s Health Committee
1999 – 2006 Member, Pharmacology Subcommittee
1999 – 2002 Member, Pharmacogenetics Working Group

American College of Clinical Pharmacy (ACCP)

2003 Member, ACCP Research Fellowship Review Committee
2002 Member, ACCP Research Institute Fellowship Task Force
1999 – 2000 Secretary Treasurer, PK/PD PRN
2018 Member, Precision Medicine Task Force
1999 – Present Abstract Reviewer for winter and Spring Annual Meetings

American Society for Clinical Pharmacology and Therapeutics (ASCPT)

2008 – 2011 Member, Publications Committee
2003 – 2005 Chair, Infectious Diseases and Antimicrobial Agents Scientific Section
2003 – 2004 Co-Chair, ASCPT Educational Symposium “When Does Sex Matter: A Clinical Pharmacology Symposium on Women’s Health”
2003 – 2004 Member, Scientific Awards Committee
2002 – 2003 Member, Nominations Committee
2000 – 2003 Vice-Chair, Infectious Diseases and Antimicrobial Agents Scientific Section

American Pharmaceutical Association (APhA)

2002 – 2006 Section Advisor, HIV Care, APhA DrugInfoLine

Centers for Disease Control and Prevention

2011 – 2014 Member, CDC/DHAP Expert Consultation Panel
Recommendations for Non-Occupational Post-Exposure HIV Prophylaxis Guidelines Update

Conference on Retroviruses and Opportunistic Infections

2018 – Present Member, Organizing Committee
Pharmacology Lead

Contagion

2005 Member, Editorial Board

Doris Duke Charitable Foundation

2004 – 2018 Grant Reviewer

Foundation for the Treatment and Management of HIV Infection in the United States

2006 – 2009 Member, Scientific Organizing Committee
American Conference for the Treatment of HIV (ACTHIV)

HIV Research for Prevention

2014 – 2018 Member, Scientific Organizing Committee

HIV Prevention Trials Network

2014 – Present Member, Women at Risk Committee
Member, HPTN 066 Protocol Team
Member, HPTN 069 Protocol Team

iMedOptions.com

2002 – 2013 Faculty Member

International AIDS Foundation

2011 - 2012 Member, IAS-ILF Organizing Committee
ARV Pharmacology in Children and Women
March 5th, 2012, Seattle, Washington

**International Workshop on Clinical Pharmacology of HIV, Hepatitis & Other Antiviral Drugs
(Formerly International Workshop on Clinical Pharmacology of HIV Therapy)**

2008 – 2009 Chair, 10th International Workshop, Amsterdam, The Netherlands
2006 – 2007 Chair, 8th International Workshop, Budapest, Hungary
2016 – 2017 Chair, 19th International Workshop, Chicago, Illinois
2006 – 2018 Member, Organizing Committee
2018 – Present Member, Academic Advisory Board

International Workshop on Women's Health in HIV

2012 – 2013 Chair, 3rd International Workshop, Washington, DC
2011 – 2012 Chair, 2nd International Workshop, Washington, DC
2010 – 2011 Chair, 1st International Workshop, Washington, DC
2009 – 2018 Member, Organizing Committee
2018 – Present Member, Scientific Committee

Medscape.com

2001 - 2005 Faculty Member, HIV Ask-The-Experts

Microbicide Trial Network

2009 – 2017 Member, M2010 Scientific Program Committee
Member, M2012 Scientific Program Committee
Member MTN 006 Protocol Team

National Institutes of Health (NIH)

2013 – Present Member, Microbicides Planning Group, NIH Office of AIDS Research
2012 – 2017 Invited Member, Advisory Committee on Research on Women's
Health, NIH Office of Research on Women's Health
2011 – 2018 Chair, Clinical Pharmacology Best Practices Working Group
2010 – 2014 Member, NIAID AARR-3 Study Section
2004 – Present Member, NIH/OAR Planning Committee: FY2007 – FY2019 Plan for
HIV-Related Research on Women and Girls
2004 – 2011 Ad-Hoc Study Section Reviewer NIAID AADD
2002 – 2004 Ad-Hoc Study Section Reviewer NIAID AARR-3
2017 – 2018 Ad-Hoc Study Section Reviewer NIAID AIDSRRRC
2018 – 2019 NIAID K23 Review Spring 2018

Rho Chi

2017 – 2018 Scholarship/Fellowship Committee

Society for Infectious Diseases Pharmacists (SIDP)

2006 – 2007 Member, Strategic Planning Committee
2005 – 2006 Member, Professional Affairs/Public Policy Committee
2001 – 2003 Board Member at Large
1998 – 2001 Chair, Publications Committee

University of North Carolina at Chapel Hill

2017 – 2018 Member, Vice Chancellor Committee on Precision Health and
Society

2016 – 2017	Faculty Mentor, Carolina Covenant Scholar Program (15/year)
2015 – Present	Chair, BIRCWH Resource Laboratory Network
2012 – 2013	Member, Search Committee
	Director, Office of Clinical Trials
2009 – 2011	Member, Committee on Post-Baccalaureate Teaching Awards

UNC Center for Infectious Diseases

2008 – 2013	Member, Editorial Board This Week in Public Health
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UNC School of Pharmacy

2018-2019	Chair, Executive Vice Dean and COO Search Committee
2018-2019	Member, School of Pharmacy Reaccreditation Standards 5-9 Subcommittee
2018 – Present	Member, Space Planning Taskforce
2015 – Present	Member, Executive Committee
2012 – Present	Member, Full Professors Committee
2015	Chair, School of Pharmacy Graduate Program Governance Document Committee
2013 – 2016	Member, Scholarship Committee 2010 – 2013 Member, Assessment Committee
2010 – 2011	Chair, Curricular Assessment Subcommittee
2010 – 2011	Faculty Representative, Business Cluster Committee
2009 – 2010	Chapel Hill Drug Conference 2010 Planning Committee
2008 – 2010	Member, Scholarship Committee
2007 – 2008	Member, UNC SOP Graduate Program Self-Study Committee
2005 – 2008	Member, Laboratory Instrumentation Committee
1999 – 2008	Laboratory Safety Committee
2004 – 2007	Member, Infectious Disease Student Training Group
2004 – 2006	Member, Graduate Education Committee
2003 – 2004	Research Space Planning Committee
2002 – 2006	Honor Student Committee
1997 – 2000, 2003	Ferguson Lecturer Committee

UNC AIDS Clinical Trials Unit (ACTU)

1999 – 2006	Pharmacologist
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UNC MACS/WIHS Combined Cohort Study

2014- present	Member, Scientific Advisory Group
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Women's Day Magazine

2000	Consultant, Dangerous Drug Interactions
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Women's HIV Interagency Study (NIH)

2014 – Present	Member, UNC Scientific Committee Member, Pharmacology Committee
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JOURNAL REVIEWER

1. Trends in Pharmacologic Sciences (2009-2011)
2. Antiviral Therapy (2006 – Present)
3. Sexually Transmitted Diseases (2006-2011)
4. Journal of Acquired Immune Deficiency Syndrome (2005 – Present)
5. Drugs (2002 – 2010)

6. Antimicrobial Agents and Chemotherapy (2002-Present)
7. Journal of Infectious Diseases (2002-Present)
8. Clinical Infectious Diseases (2002-Present)
9. Clinical Pharmacology and Therapeutics (2002-Present)
10. Journal of Pharmaceutical Sciences (2000-Present)
11. Journal of Clinical Psychopharmacology (2000-2005)
12. AIDS (1999-Present)
13. Pharmaceutical Research (1999-2011)
14. Clinical Pharmacokinetics (1998-Present)
15. The Annals of Pharmacotherapy (1997-Present)
16. American Journal of Health-System Pharmacy (1995-2012)
17. Science Translational Medicine (2010 – Present)
18. Nature (2012 – Present)
19. Lancet (2013 – Present)

PROFESSIONAL AFFILIATIONS

1. North Carolina Association of Pharmacists (2021 - Present)
2. American Association of Colleges of Pharmacy (1997 - 2010, 2020 - Present)
3. American Society of Hospital Pharmacists (2020 - Present)
4. International Pharmaceutical Federation (2020 - Present)
5. American College of Clinical Pharmacology (2018 - Present)
6. American Society for Clinical Pharmacology and Therapeutics (1995 - Present)
7. American Society for Microbiology (1995 - Present)
8. Society of Infectious Diseases Pharmacists (1995 – 2020)
9. The Alliance for the Prudent Use of Antibiotics (1999 – 2015)
10. The American College of Clinical Pharmacy (1995 - Present)
11. Rho Chi Pharmaceutical Honor Society (1995 - Present)
12. The Ontario College of Pharmacists (1990 - Present)
13. The American Society of Health System Pharmacists (1995 - 2011)
14. The International Society for the Study of Xenobiotics (2001 - 2010)
15. American Society for Human Genetics (2002 - 2006)
16. The Canadian Society of Hospital Pharmacists (1990 - 1997)