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CURRICULUM VITAE

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PLACE OF BIRTH: Lanzhou, China

CITIZENSHIP: Chinese nationality (US permanent resident)

EDUCATION:

- 08/1990 – 07/1994 B.S. (Biotechnology), Northwest China Normal University, Lanzhou, China
- 08/1994 – 07/1997 M.S. (Microbiology and Immunology), Lanzhou Institute of Biological Products, Lanzhou, China
- 08/1997 – 06/2000 Ph.D. (Molecular Virology), Shanghai Medical College (formerly Shanghai Medical University), Fudan University, Shanghai, China

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

- 07/2000 – 01/2005 Postdoctoral Fellow (2000-2003), promoted to Research Fellow (2003-2005), Model Development Section (Dr. Vineet KewalRamani Laboratory), HIV Drug Resistance Program, National Cancer Institute (NCI), National Institutes of Health (NIH), Frederick, Maryland

FACULTY APPOINTMENTS:

- 02/2005 – 09/2009 Assistant Professor (tenure-track), Department of Microbiology and Molecular Genetics, Medical College of Wisconsin (MCW), Milwaukee, WI
- 10/2009 – present Associate Professor with tenure, Center for Retrovirus Research, Department of Veterinary Biosciences, The Ohio State University (OSU), Columbus, OH

AWARDS AND HONORS:

- 1998 First-place Orient Scholarship for outstanding postgraduate work at Shanghai Medical University, China
- 1999 First-place award for the Research Paper Competition in the School of Basic Medical Science, Shanghai Medical University, China

- 1999 First-place award for Union Scholarship at Shanghai Medical University
 1999 Second-place award for the National Scientific Progress in Medicine Science (co-awardee), Ministry of Health, China
 1999 Third-place Prize for Prof. Dr. Jiazhen Tan (Dr. C.C. Tan) Scholarship, Fudan University, Shanghai, China
 2000 Award of Invention for Shanghai graduate students, Shanghai Society for Invention, China
 2000 First-place award for outstanding Ph.D. trainees at the Fudan University, Shanghai, China
 2000-2003 Postdoctoral Research Training Award at NCI-Frederick, NIH, Frederick, MD
 2002 Fellows Award for Research Excellence, NIH, Bethesda, MD
 2003 Fellows Travel Grant for the 10th Conference on Retroviruses and Opportunistic Infection, Boston, MA
 2003 Outstanding Poster Award of the 7th Annual NCI-Frederick and Fort Detrick Spring Research Festival, Frederick, MD
 2005 Fellows Award for Research Excellence, NIH, Bethesda, MD
 2005 Nominee of 2006 Pew Scholars Program in Biomedical Research, Medical College of Wisconsin, WI
 2007 Nominee of 2008 Burroughs Wellcome Fund Investigators in Pathogenesis of Infectious Disease, Medical College of Wisconsin, WI

MEMBERSHIPS IN PROFESSIONAL AND HONORARY SOCIETIES:

- 01/2001 – current American Society for Microbiology
 01/2006 – current American Society for Virology
 01/2006 – current American Society for Cell Biology

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorial Board

- 08/2007 – present *Retrovirology: Research and Treatment*
 (Libertas Academica, Auckland, New Zealand)
 02/2009 – present *Retrovirology* (BioMed Central, London, UK)

Journal Reviews (*Ad hoc*)

- 11/2006 – present *AIDS Research and Human Retroviruses*
 08/2006 – present *AIDS Research and Therapy*
 09/2008 – present *Blood*
 07/2009 – present *Expert Review of Proteomics*
 04/2009 – present *HIV Therapy*
 07/2009 – present *Immunotherapy*
 11/2006 – present *Journal of Antimicrobial Chemotherapy*
 09/2008 – present *Journal of Biological Chemistry*
 08/2007 – present *Journal of Experimental Medicine*
 11/2007 – present *Journal of Medical Virology*
 11/2005 – present *Journal of Virology*
 10/2007 – present *Retrovirology*
 08/2007 – present *Retrovirology: Research and Treatment*

06/2007 – present *Trends in Immunology*
09/2006 – present *Virology*
07/2009 – present *Virus Research*

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

05/2002 Assigned as the Chief Judge of the Virology Study Section of Fellows
Award for Research Excellence Competition in 2003, NIH, Bethesda, MD
04/2006 – 08/2009 Member, Institutional Biosafety Committee, MCW, WI
10/2009 – present Member, Center for Microbial Interface Biology, OSU, OH

NATIONAL AND INTERNATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

11/2006 *Ad hoc* Member, NIH Study Section (Special Emphasis Panel): Immunity
and Pathogenesis in AIDS. Bethesda, MD
05/2008 Invited Session Chair, Cell Biology/Cell-cell Viral Transmission Session,
The 2008 Retroviruses Meeting, Cold Spring Harbor Laboratory, May 19-
24, 2008.
06/2009 *Ad hoc* Member, NIH Study Section (Challenge Grants Panel 21). Bethesda,
MD
07/2009 Invited evaluator for MacArthur Fellowship candidates, The MacArthur
Fellows Program, John and Catherine MacArthur Foundation, Chicago, IL
08/2009 Invited grant reviewer, The Campbell Foundation, Fort Lauderdale, FL
10/2009 Invited grant reviewer, Human Frontier Science Program, Strasbourg Cedex,
France.
03/2010 Invited grant reviewer, amfAR, The Foundation for AIDS Research, New
York, NY

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

A. Active

Title: Mechanisms Underlying Dendritic Cell-Mediated HIV Transmission
Source: R01AI068493, NIAID, NIH
Role: Principal Investigator (50% effort)
Dates: 02/15/2006 – 01/31/2011
Direct funds: \$1,000,000 (total for 5 years)

Title: Exploring Postentry Restriction of HIV Infection in Human Monocytes
Source: R21AI078762, NIAID, NIH
Role: Principal Investigator (10% effort)
Dates: 06/01/2009 – 5/31/2011
Direct funds: \$275,000 (total for 2 years)

B. Pending

amfAR Research Grant Wu (PI) 05/01/2010 – 04/30/2011
Characterizing HIV Reservoirs in Monocyte-Lineage Cells
The major goal of this project is to investigate the role of monocyte-lineage cells in HIV-
1 reservoirs using an immunodeficient mouse model.
Role: PI

X02DA Wu (PI) 09/01/2010 – 07/31/2015
Pre-Application for the 2010 NIDA Avant-Garde Award Program for HIV/AIDS
Research (X02)
Preventing HIV Mucosal Transmission by a Novel Microbicide
The major goal of this project is to identify a novel microbicide for prevention of mucosal
HIV transmission.
Role: PI

R01/NIAID/NIH Wu (PI) 12/01/2010 – 11/30/2015
Mechanisms of HIV Vpr Enhancing Viral Infection in Dendritic Cells
The major goal of this project is to elucidate the mechanisms by which HIV-1 Vpr
enhances viral infection in primary blood dendritic cells.
Role: PI

C. Completed (Peer-reviewed)

Title: Genetic Screen for HIV Restriction Factors in Human Monocytes
Source: Advancing A Healthier Wisconsin, Medical College of Wisconsin
Role: Principal Investigator (5% effort)
Dates: 05/01/2008 – 04/30/2010
Direct funds: \$126,970 (total for 2 years)
(This internal grant has been terminated on 09/30/2009 when I moved to OSU)

Title: Immunoregulatory Function of the HTLV-2 Tax Protein
Source: Advancing A Healthier Wisconsin, Medical College of Wisconsin
Role: Co- Principal Investigator (5% effort, PI: Dr. Mark Beilke)
Dates: 07/01/2009 – 12/31/2010
Direct funds: \$75,000 (total for 1.5 year)
(This internal grant has been terminated on 09/30/2009 when I moved to OSU)

Title: HIV Hiding in Mature Dendritic Cells Establish Viral Reservoirs
Source: The Campbell Foundation
Role: Principal Investigator
Dates: 10/02/2006 – 12/31/2008
Direct funds: \$78,000

Title: Mechanisms of Mature Dendritic Cell-Enhanced HIV Transmission
Source: Research Affairs Committee, Medical College of Wisconsin
Role: Principal Investigator
Dates: 01/1/2006 – 12/31/2006
Direct funds: \$12,500

D. Completed (Non peer-reviewed)

Title: Molecular Mechanisms of HIV Restriction in HIV Controllers
Source: Johnson and Pabst LGBT Humanity Fund, Greater Milwaukee Foundation
(This is a non peer-reviewed private donation to my research)

Role: Principal Investigator
Dates: 01/01/2009 – 12/31/2009
Direct funds: \$10,000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

International

Wu L. Molecular mechanisms underlying dendritic cell-mediated HIV transmission. Invited Speaker. International Symposium: *Control of Emerging Viral Diseases*. Wuhan Institute of Virology, Chinese Academy of Sciences, Wuhan, China. Oct 26-27, 2006.

Invited Speaker. HIV Interactions with Dendritic Cells. The 2011 Keystone Symposium on *HIV Evolution, Genomics, and Pathogenesis*, Mar 20 - Mar 25, 2011, Whistler, British Columbia, Canada.

National/Regional

1. Seminar. The B Cell Biology Workshop, NIH, Bethesda, MD. August 18, 2003.
2. Invited seminar. Laboratory of Immunoregulation, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD. October 8, 2003.
3. Invited seminar. Department of Molecular and Microbiology, George Mason University, Manassas, VA. February 26, 2004.
4. Invited seminar. Department of Molecular Microbiology, School of Medicine, Washington University in St. Louis, MO. April 21, 2004.
5. Invited seminar. Department of Microbiology and Immunology, Brody School of Medicine, East Carolina University, Greenville, NC. August 17, 2004.
6. Invited seminar. Cincinnati Children's Hospital Medical Center, University of Cincinnati Medical Center. Cincinnati, OH. March 14, 2007.
7. Invited seminar. Center for Retrovirus Research, The Ohio State University, Columbus, OH. January 7, 2009.
8. Invited seminar. Department of Microbiology & Immunology, Institute for Molecular, Medicine and Infectious Disease, Drexel University College of Medicine, Philadelphia, PA. February 25, 2009.
9. Invited seminar. Department of Molecular Microbiology & Immunology, Keck School of Medicine, University of Southern California, Los Angeles, CA. March 2, 2009.

Local

1. Seminar. Immunologist Group Meeting, Blood Research Institute, Milwaukee, WI. May 12, 2005.
2. Seminar. Department of Biochemistry, Medical College of Wisconsin, March 22, 2006.
3. Seminar. Infectious Disease Interest Rounds, Department of Medicine, Medical College of Wisconsin. March 1, 2007.
4. Seminar. Department of Biochemistry, Medical College of Wisconsin, May 8, 2008.
5. Integrated Ground Rounds, HIV and AIDS Research, Department of Medicine, Medical College of Wisconsin, October 31, 2008.
6. Seminar. Pediatric Program of Research Excellence, Department of Pediatric, Medical College of Wisconsin, May 29, 2009.

7. Seminar. Infectious Disease Research Conference, Medical College of Wisconsin, August 6, 2009.
8. Invited talk. Center for Microbial Interface Biology retreat. The Ohio State University. March 18, 2010

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

1. The 2001 meeting on Retroviruses, Cold Spring Harbor Laboratory, NY, May 22-27, 2001 (selected oral presentation).
2. The 2002 meeting on Retroviruses, Cold Spring Harbor Laboratory, NY. May 21-26, 2002 (selected oral presentation).
3. The 2004 meeting on Retroviruses, Cold Spring Harbor Laboratory, NY. May 25-30, 2004 (selected oral presentation).
4. The 2007 meeting on Retroviruses, Cold Spring Harbor Laboratory, NY. May 22-27, 2007 (selected oral presentation).
5. The 2009 meeting on Retroviruses, Cold Spring Harbor Laboratory, NY. May 18-23, 2009 (selected oral presentation).

National

1. The Fourth HIV Drug Resistance Program Symposium on Antiviral Drug Resistance. Chantilly, VA. December 8, 2003.
2. The Eleventh West Coast Retroviruses Meeting. Palm Springs, CA, October 7-9, 2004.
3. The Fifth HIV Drug Resistance Program Symposium. Chantilly, VA. Nov. 14, 2004.
4. The Cell Biology of HIV-1 and Other Retroviruses, 2006 Summer Meeting, The American Society for Cell Biology, Emory University, Atlanta, GA. July 20-23, 2006. This oral presentation was **highlighted** in the meeting review: Freed E.O. and Mouland A.J. *Retrovirology*, 2006; 3(1): 77.
5. The Fifteenth West Coast Retroviruses Meeting, Palm Springs, CA. Oct 16-19, 2008 (two selected oral presentations).
6. 2010 Palm Springs Symposium on HIV/AIDS, Palm Springs, CA. March 11-13, 2010 (one selected oral presentation with meeting support).

Regional/local

1. The Postdoctoral and Trainees Assembly Retreat, Center for Cancer Research, National Cancer Institute, Frederick, MD, 2001.
2. The HIV Drug Resistance Program 2004 Think Tank Meeting. Frederick, MD, April 6, 2004.
3. The 2004 NCI-Frederick Interdisciplinary Retreat. Rocky Gap, MD, October 25-27, 2004.

COMMITTEE SERVICE:

Medical College of Wisconsin Committees:

- | | |
|------------------|---|
| 02/2005 – 9/2009 | Member, Committee on Immunology |
| 02/2005 – 9/2009 | Member, Interdisciplinary Graduate Program in Biomedical Sciences |
| 04/2006 – 9/2009 | Member, Institutional Biosafety Committee |

10/2006 – 10/2007	Member, Committee of Graduate Student Poster Presentation Award
10/2006 – 9/2009	Member, Center for Biopreparedness and Infectious Diseases
11/2006 – 9/2009	Member, Graduate Student Mock Proposal Evaluation Committee
06/2007 – 9/2009	Member, Medical Scientist Training Program (MSTP)

The Ohio State University Committees:

11/2009 – present	Member, Committee on Immunology
01/2010 – present	Faculty member of the graduate program in Molecular, Cellular, and Developmental Biology
02/2010	Judge, Poster Presentation Awards at the OSU Cancer Program Annual Scientific Meeting

TEACHING ACTIVITIES:

Medical Student Education (MCW)

11/2006 – 9/2009	M2 Lecturer – Medical Microbiology, Virology Section
08/2006 – 9/2009	M2 Instructor – Medical Microbiology Laboratory

Graduate Student Education (MCW)

04/2007 – 9/2009	Lecturer – Cellular Microbiology, Virology Section
08/2006 – 9/2009	Co-director – Graduate School Seminar course. This course has been evaluated as an outstanding course (6 of 54 courses) by the Medical College of Wisconsin Graduate School since 2007.

STUDENTS /RESEARCH FELLOWS MENTORED:

Postdoctoral Fellows

Current

- Nidhanapati Raghavendra, Ph.D. 2/2009 – present
- Christopher Coleman, Ph.D. 3/2009 – present
- Corine St.Gelais, Ph.D. 4/2010 – present
- Suresh de Silva, Ph.D. 7/2010 – present

Previous

- Jian-Hua Wang, Ph.D. 9/2005 – 2/2009. Current position: Associate Professor, Shanghai Pasteur Institute, Chinese Academy of Sciences, China.
- Chunsheng Dong, Ph.D. 9/2006 – 12/2008. Current position: Research Scientist, Yale University Stem Cell Research Center, New Haven, CT.
- Torsten Wurm, Ph.D. 2/2007 – 10/2007. Current position: Research Scientist in pharmaceutical industry.
- Hongwei Ma, Ph.D. 1/2009 – 2/2010. Current position: Senior Postdoctoral Researcher, Medical College of Georgia.

Medical Science Training Program Students (MCW)

Krista Asp, MSTP (M.D./Ph.D.) student, 07/2007 – 08/2007, summer research
Sasha Zheng, MSTP (M.D./Ph.D.) student, 06/2008 – 07/2008, summer research

Graduate Students

M.S. Student Advisor at Medical College of Wisconsin

Alicia Janas 05/2006 – 9/2009 (current position: Microbiologist at the
Centers for Disease Control and Prevention, Atlanta, GA)

Ph.D. Thesis Committee at The Ohio State University

Jessica Mates 11/2009 – present

Ph.D. Thesis Committee at Medical College of Wisconsin

Roger Pechous 11/2005 – 10/2008 (graduated)
James Henkel 03/2007 – 07/2009 (graduated)
James Shuman 11/2006 – 07/2007
Andrew Podd 02/2008 – 09/2009
Suzan Salti 04/2008 – 09/2009
Sreemanti Basu 01/2009 – 09/2009

Graduate Students, Interdisciplinary Ph.D. Program Research Rotation

Lauren Olson	08/2005 – 10/2005
Yoonyoung Go	10/2005 – 01/2006
Alicia Janas	01/2006 – 03/2006
Tina Schneider	03/2006 – 05/2006
Rachel Grau	07/2006 – 10/2006
Nathan May	10/2006 – 01/2007
Alicia Castonguay	01/2007 – 03/2007
Andrew Karalewitz	08/2007 – 10/2007
Michael Korrer	10/2007 – 01/2008
Kristen Aicher	08/2008 – 10/2008
Justin Reitsma	10/2008 – 12/2008

Undergraduate Students

Summer Program for Undergraduate Research (SPUR), Graduate School, Medical
College of Wisconsin (MCW)

Adam Dubis, 06/2005 – 08/2005, current MCW graduate student
Jessica Timmermann, 06/2006 – 08/2006
Meghan Reppen, 06/2008 – 08/2008

BIBLIOGRAPHY

REFEREED JOURNAL PUBLICATIONS/ORIGINAL PAPERS

1. **Wu L**, Bai ZS, Li YM, Rima BK, Afzal MA. Wild type mumps viruses circulating in China establish a new genotype. Vaccine. 1998; 16(2/3): 281-285.
2. **Wu L**, He JW, Yao X, Li HM, Wen YM. A novel HBV variant S129 (Gln→Leu): lack of correlation between antigenicity and immunogenicity. Journal of Medical Virology, 1999; 59(4): 424-430.
3. Lin X, Qian GS, Lu PX, **Wu L**, Wen YM. Full-length genomic analysis of hepatitis B virus isolates in a patient progressing from hepatitis to hepatocellular carcinoma. Journal of Medical Virology. 2001; 64(3): 299-304.
4. Lin X, Yuan ZH, **Wu L**, Ding JP, Wen YM. A single amino acid in the reverse transcriptase domain of hepatitis B virus affects virus replication efficiency. Journal of Virology. 2001; 75(23): 11827-11833.
5. **Wu L**, Yuan ZH, Liu F, Waters JA, Wen YM. Comparing the immunogenicity of hepatitis B virus S gene variants by DNA immunization. Viral Immunology. 2001; 14(4): 359-367.
6. Bashirova AA, Geijtenbeek TB, van Duijnhoven GC, van Vliet SJ, Eilering JB, Martin MP, **Wu L**, Martin TD, Viebig N, Knolle PA, KewalRamani VN, van Kooyk Y, Carrington M. A dendritic cell-specific intercellular adhesion molecule 3-grabbing nonintegrin (DC-SIGN)-related protein is highly expressed on human liver sinusoidal endothelial cells and promotes HIV-1 infection. Journal of Experimental Medicine. 2001; 193(6): 671-678.
7. **Wu L**, Martin TD, Vazeux R, Unutmaz D, KewalRamani VN. Functional evaluation of DC-SIGN monoclonal antibodies reveals DC-SIGN interactions with ICAM-3 do not promote human immunodeficiency virus type 1 transmission. Journal of Virology. 2002; 76(12): 5905-5914.
8. **Wu L**, Bashirova AA, Martin TD, Villamide L, Mehlhop E, Chertov AO, Unutmaz D, Pope M, Carrington M, KewalRamani VN. Rhesus macaque dendritic cells efficiently transmit primate lentiviruses independently of DC-SIGN. Proceedings of the National Academy of Sciences of the USA. 2002; 99(3): 1568-1573.
9. Bashirova AA, **Wu L**, Cheng J, Martin TD, Martin MP, Benveniste RE, Lifson JD, KewalRamani VN, Hughes A, Carrington M. Novel member of the CD209 (DC-SIGN) gene family in primates. Journal of Virology. 2003; 77(1): 217-227.
10. McDonald D, **Wu L**, Bohks SM, KewalRamani VN, Unutmaz D, Hope TJ. Recruitment of HIV and its receptors to dendritic cell-T cell junctions. Science. 2003; 300: 1295-1297.

11. **Wu L**, Martin TD, Carrington M, KewalRamani VN. Raji B cells, misidentified as THP-1 cells, stimulate DC-SIGN-mediated HIV transmission. Virology. 2004; 318: 17-23.
12. **Wu L**, Martin TD, Han Y-C, Breun SKJ, KewalRamani VN. Trans-dominant cellular inhibition of DC-SIGN-mediated HIV-1 transmission. Retrovirology. 2004; 1: 14.
13. Garcia-Pineros AJ, Hildesheim A, Trivett M, Williams M, **Wu L**, KewalRamani VN, Pinto LA. Role of DC-SIGN in the activation of dendritic cells by HPV-16 L1 virus-like particle vaccine. European Journal of Immunology. 2006; 36(2): 437-445.

The following publications were derived from Li Wu's independent research since 2005:
(Li Wu is the corresponding author for the following publications #14~ #22)

14. Wang J-H, Janas AM, Olson WJ, KewalRamani VN. **Wu L**. CD4 coexpression regulates DC-SIGN-mediated transmission of human immunodeficiency virus type 1. Journal of Virology. 2007; 81(5): 2497-2507.
15. Wang J-H, Janas AM, Olson WJ, **Wu L**. Functionally distinct transmission of human immunodeficiency virus type 1 mediated by immature and mature dendritic cells. Journal of Virology. 2007; 81(17): 8933-8943.
 - One of electron microscopy figures in this paper was selected as a cover illustration of *J. Virol.* 2007; 81 (18);
 - Two figures of this paper were selected for publication (with the permission) in: *Principles of Virology: Molecular Biology, Pathogenesis, and Control of Animal Viruses* (Flint SJ, Enquist W, Racaniello VR, and Skalka AM Ed. 2008).
16. Dong C, Janas AM, Wang J-H, Olson WJ, **Wu L**. Characterization of human immunodeficiency virus type 1 replication in immature and mature dendritic cells reveals dissociable *cis*- and *trans*-infection. Journal of Virology. 2007; 81(20): 11352-11362.
17. Janas AM, Dong C, Wang J-H, **Wu L**. Productive infection of human immunodeficiency virus type 1 in dendritic cells requires fusion-mediated viral entry. Virology. 2008; 375(2): 442-451.
18. Wang J-H, Wells C, **Wu L**. Macropinocytosis and cytoskeleton contribute to dendritic cell-mediated HIV-1 transmission to CD4⁺ T cells. Virology. 2008; 381(1): 143-154.
19. Dong, C, Kwas C, **Wu L**. Transcriptional restriction of human immunodeficiency virus type 1 gene expression in undifferentiated primary monocytes. Journal of Virology. 2009; 83(8): 3518-3527.
20. Wang J-H, Kwas C, **Wu L**. Intercellular adhesion molecules (ICAM)-1, but not ICAM-2 and -3, is important for dendritic cell-mediated human immunodeficiency virus type 1 transmission. Journal of Virology. 2009; 83(9): 4195-4204.

21. Ma H, **Wu L**. Human immunodeficiency virus type 1 Vpr enhances viral replication in monocyte-derived dendritic cells Journal of Virology. 2010; in minor revision.
22. Coleman CM, Wang J-H, **Wu L**. HIV-1 Nef enhances dendritic cell-mediated human immunodeficiency virus type 1 transmission. In preparation. 2009.

Collaboration research

23. Kyei GB, Dinkins C, Davis AS, Roberts E, Singh SB, Dong C, **Wu L**, Kominami E, Ueno T, Yamamoto A, Federico M, Panganiban A, Vergne I, and Deretic V. Autophagy pathway intersects with HIV-1 biosynthesis and regulates viral yields in macrophages. Journal of Cell Biology, 2009; 186(2): 255-268.
24. Chung NP, Breun SK, Bashirova A, Baumann JG, Martin TD, Karamchandani JM, Rausch JW, Le Grice SF, **Wu L**, Carrington M, Kewalramani VN. HIV-1 transmission by DC-SIGN is regulated by determinants in the carbohydrate recognition domain that are absent in L-SIGN. Journal of Biological Chemistry, 2010;285(3):2100-2112.
25. Blanchet FP, Moris A, Nikolic DS, Lehmann M, Stalder R, Garcia E, Dinkins C, Leuba F, **Wu L**, Schwartz O, Deretic V and Piguuet V. HIV-1 inhibition of autophagy in dendritic cells impairs immune responses. Immunity, 2010; in press.
26. Chen G, Lv F, Raghavendra NK, Xu Y, Ma J, Sun J, **Wu L**, Zheng YT and Gao G. Expression of the zinc-finger antiviral protein inhibits HIV-1 infection. Nature Medicine, 2010, in submission.

BOOKS, CHAPTERS & REVIEWS

(Li Wu is the corresponding author for the following publications #1-4. These are Editor invited and peer-refereed review articles or book chapters)

1. **Wu L**, KewalRamani VN. Dendritic-cell interactions with HIV: infection and viral dissemination. Nature Reviews: Immunology. 2006; 6(11): 859-868.
2. **Wu L**. Biology of HIV-1 mucosal transmission. Current Opinion in HIV and AIDS. 2008; 3: 534-540.
3. Janas AM, **Wu L**. HIV-1 interactions with cells: from viral binding to cell-cell transmission. In Virology chapter. Harford JB, et al. (Ed.) Current Protocols in Cell Biology. 2009; Chapter 26:Unit 26.5.
4. Coleman C, **Wu L**. HIV interactions with monocytes and dendritic cells: viral latency and reservoirs. Retrovirology. 2009; 6:51. "Highly-accessed".

MEETING ABSTRACTS

1. **Wu L**, Bai ZS, Li YM. Molecular epidemiology of wild type mumps viruses circulating in China 1995-96. *Proceedings of the Fourth International Conference on Viral Diseases*, Lanzhou, China, 1996: 34.
2. **Wu L**, Ma ZM, He LF, Wen YM. HBV surface and core genes detected in anti-HBs positive serum of infants receiving postexposure hepatitis B immunization. *Abstract of International Conference on Medical Virology*, Beijing, China. 1998: 21.
3. **Wu L**, Yuan ZH, He LF, Wen YM. A high replication competent HBV isolate with mutation at the pre-S2 initiation codon. Abstract of the Second International Symposium on Hepatology. Beijing, China. *Journal of Gastroenterology and Hepatology*. 1999: Suppl. 64.
4. **Wu L**, Bashirova AA, Martin TD, Breun SKJ, Unutmaz D, Carrington M, and KewalRamani VN. Evaluation of SIGN family molecules in lentiviral pathogenesis. *The Postdoctoral and Trainees Assembly Retreat*, Center for Cancer Research, National Cancer Institute, Frederick, MD, June 2001:12-13.
5. **Wu L**, Martin TD, Han Y-C, Breun SKJ, Unutmaz D, KewalRamani VN. Viral and cellular features required for HIV-1 transmission by DC-SIGN. *The Second HIV Drug Resistance Program Symposium*. Chantilly, VA, Dec. 9-12, 2001:15.
6. **Wu L**, Martin TD, Vazeux R, Unutmaz D, KewalRamani VN. Functional evaluation of DC-SIGN monoclonal antibodies reveals DC-SIGN interactions with ICAM-3 do not aid HIV-1 transmission. *The Eighth West Coast Retrovirus Meeting*, Palm Spring, CA. Oct. 4-6, 2001.
7. **Wu L**, Bashirova AA, Martin TD, Breun SKJ, Unutmaz D, Carrington M, KewalRamani VN. Evaluation of SIGN family molecules in lentiviral pathogenesis. *Abstract of papers presented at the 2001 meeting on Retroviruses*, Cold Spring Harbor Laboratory, NY, May 22-27, 2001: 318.
8. **Wu L**, Martin TD, Han Y-C, Breun SKJ, KewalRamani VN. DC-SIGN-mediated transmission of HIV-1 is cell type restricted. *The Third HIV Drug Resistance Program Symposium*. Chantilly, VA. Dec. 8-11. 2002.
9. **Wu L**, Martin TD, Han Y-C, Breun SKJ, KewalRamani VN. DC-SIGN transmission of HIV-1 is cell type restricted. *Abstract of papers presented to 2002 meeting on Retroviruses*, Cold Spring Harbor Laboratory, NY. May 21-26, 2002: 9.
10. McDonald D, **Wu L**, Bohks SM, KewalRamani VN, Unutmaz D, Hope TJ. Enhancement of HIV infection by dendritic cells: Transfer of HIV to target cells through an infectious synapse. *Abstracts of the 10th Conference on Retroviruses and Opportunistic Infections*. Boston, MA. Feb. 10-14, 2003: 97.

11. **Wu L**, Martin TD, Han Y-C, Breun SKJ, KewalRamani VN. DC-SIGN mediated transmission of HIV-1 is cell type restricted. *Abstracts of the 10th Conference on Retroviruses and Opportunistic Infections*. Boston, MA. Feb. 10-14, 2003: 183.
12. **Wu L**, Martin TD, Han Y-C, Breun SKJ, KewalRamani VN. DC-SIGN-mediated transmission of HIV-1 is cell type restricted. *Abstracts of Symposium of Dendritic Cells*. Keystone, CO. March 5-10, 2003: 111.
13. **Wu L**, Martin TD, KewalRamani VN. Variable efficiency of HIV-1 transmission by different DC-SIGN expressing cell lines. *Abstract of papers presented to 2003 meeting on Retroviruses*, Cold Spring Harbor Laboratory, NY. May 20-25, 2003: 268.
14. **Wu L**, Martin TD, Carrington M, KewalRamani VN. Unexpected synergies between human B cells and DC-SIGN-mediated HIV-1 transmission. *The Fourth HIV Drug Resistance Program Symposium*. Chantilly, VA. Dec. 8, 2003: 12.
15. **Wu L**, Martin TD, Unutmaz D, Harvin DP, Cho EH, Lockett SJ, Rein A, KewalRamani VN. Cellular sorting machinery restricts DC-SIGN transmission of HIV via the infectious synapse. *Abstract of papers presented to 2004 meeting on Retroviruses*, Cold Spring Harbor Laboratory, NY. May 25-30, 2004: 15.
16. **Wu L**, VanCompernelle SE, Chen YE, Martin TD, Cho EH, Harvin DP, Grill SM, Lockett SJ, Rein A, Unutmaz D, KewalRamani VN. Functionally distinct HIV-1 transmission mechanisms by immature and mature dendritic cells. *The Eleventh West Coast Retroviruses Meeting*. Palm Springs, CA, Oct. 7-9, 2004: 8
17. **Wu L**, VanCompernelle SE, Chen YE, Martin TD, Cho EH, Harvin DP, Grill SM, Lockett SJ, Rein A, Unutmaz D, KewalRamani VN. Functionally distinct virus transmission mechanisms by immature and mature dendritic cells. *The Fifth HIV Drug Resistance Program Symposium*. Chantilly, VA. Nov. 14, 2004: 49.

The following abstracts were derived from Li Wu's independent research since 2005:

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