

CURRICULUM VITAE

Julie Ann Wilder, PhD

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EDUCATION

B.A. (Biology) 1983, Grinnell College, Grinnell, Iowa
Ph.D. (Microbiology) 1990, University of Iowa, Iowa City, Iowa
Post-doctoral training, 1990-1994, Department of Pathology, University of Texas Southwestern Medical Center
Post-doctoral training, 1994-1996, Department of Pathology, University of New Mexico

EMPLOYMENT

- 2002 - Present Associate Scientist, Respiratory Immunology and Asthma Program, Lovelace Respiratory Research Institute, Albuquerque, NM
My principal research activities include 1) investigating the genetic basis of the pulmonary immune response to *Cryptococcus neoformans* infection in a murine model using quantitative trait loci analysis, microarray, bone marrow chimeric mouse and cellular and molecular immunologic strategies; 2) characterizing the phenotype and response of murine pulmonary and splenic dendritic cells to *Cryptococcus neoformans* infection and pulmonary inflammation; 3) determining the effect of second-hand tobacco smoke on the development and exacerbation of allergic asthma using a murine model; and 4) determining the immune response of non-human primates to *Francisella tularensis* vaccine candidates. I also investigate potential therapeutic strategies to combat infectious disease and the development or manifestation of allergic asthma on a contract basis.
- 2002 - Present Adjunct Assistant Professor, Department of Pathology, University of New Mexico, Albuquerque, NM
My principal research activities at UNM involve collaborations on the study of lung dendritic cells and the mechanisms by which they function in the pulmonary immune response. For these studies, we compare the potential of lung dendritic cells from naïve mice, allergic mice and mice infected with the vaccine strain of *M. tuberculosis* (BCG) to induce T cell proliferation and differentiation to cytokine secreting cells. In addition, I study the phenotype and function of lung dendritic cells after two disparate strains of mice are infected with *Cryptococcus neoformans* in an effort to understand whether they are the underlying cause of the generation of either resistance or susceptibility to the organism. My other collaborations at UNM have to do with the response of non-human primates to tularemia vaccine candidates.
- 1996 - 2001 Research Assistant Professor, Department of Pathology, University of New Mexico, Albuquerque, NM
During this time at UNM, I established two murine models of allergic asthma. I also began to investigate the genetic basis of the pulmonary immune response to *Cryptococcus neoformans* using two strains of mice, one capable

of clearing the organism from the lung and one which is incapable of doing so and allows a chronic infection to be established. Studies were also undertaken which proved that the capsule of *Cryptococcus neoformans* was a virulence factor in a murine pulmonary immune infection model.

HONORS

NIH Immunology Training Grant CA09082, 3/90-2/91
Pulmonary Epidemiology and Toxicology Training Program Fellow (Jointly administered by the University of New Mexico School of Medicine and the Inhalation Toxicology Research Institute), 2/95-1/97
American Association of Immunologists Faculty Mentor/Minority Trainee Travel Awards to attend the 2004 and 2005 Experimental Biology Meeting

PROFESSIONAL AFFILIATIONS

American Association of Immunologists
American Thoracic Society

SCIENTIFIC ACTIVITIES

Proposal Reviews:

State of Louisiana Millennium Trust Health Excellence Fund, 2001
Veterans Affairs, 2002
Science Foundation of Ireland, 2002
Member, Special Emphasis Panel to review NOT-AI-02-023: "Biodefense and Emerging Infectious Diseases Research Opportunities," April 2003
Member, Special Emphasis Panel to review AI-03-017: "Cooperative Research for the Development of Vaccines, Adjuvants, Therapeutics, Immunotherapeutics, and Diagnostics (VATID) for Biodefense and SARS," February 2004
Member, Special Emphasis Panel ZAT1 DB-19, to review R21 applications for the National Center for Complementary and Alternative Medicine, June 2005
Member, Special Emphasis Panel to review AI-05-019: "Cooperative Research Partnerships for Biodefense," February 2006
Ad Hoc member, Veterans Affairs Respiratory Review Panel: December 2006, June 2007

Ad Hoc Manuscript Reviews:

Journal of Immunology
Infection and Immunity
American Journal of Physiology: Lung, Cellular and Molecular Physiology
American Journal of Respiratory Cell and Molecular Biology
American Journal of Respiratory and Critical Care Medicine
Clinical and Experimental Immunology
International Archives of Allergy and Immunology
Respiration
Respiratory Research
Environmental and Molecular Mutagenesis
Immunopharmacology
Toxicology and Applied Pharmacology

Chair, Mini-symposium, American Thoracic Society International Conference
2006: Innate Immunity to Pulmonary Pathogens
2006: Dendritic Cells in Pulmonary Immunoregulation
1999: Determinants of Th1 vs Th2 Expression

Chair, Block Symposium, Experimental Biology, American Association of Immunologists
2004: Antigen Presenting Cells: Activation and Function
Co-moderator, Poster Discussion Session, American Thoracic Society International Conference
2004: Novel Advances in Pulmonary Immunity
Facilitator, Thematic Poster Session, American Thoracic Society International Conference
2001: Immunologic Mechanisms in Airway Responses
2003: Immunological Mechanisms: Innate and Adaptive Links

COMMITTEE AND ADMINISTRATIVE SERVICES

National: American Thoracic Society
Member, Allergy Infection and Inflammation Assembly, 1997-Present
Member, All Membership Committee, 2002-2004
Chair, All Membership Committee, 2005-Present
Member, All International Conference Program Committee, 2003-2007
Member, All Long Range Planning Committee, 2005-Present

Lovelace Respiratory Research Institute
Member, Joint LRRI-UNM Research Committee, 2003-Present
Alternate member, LRRI IACUC Committee, July 2004-Present

University of New Mexico
Member, UNM Biosafety Committee, 1998-2001
Member, UNM Department of Pathology Research Committee, 2000-2001
Member, UNM Department of Pathology Faculty Incentive Based Compensation Initiative, 1999

TEACHING EXPERIENCE

University of Iowa; Graduate Teaching Assistant, General Microbiology; Pathogenic Bacteriology; Medical Microbiology; Health Sciences Microbiology, September 1985-May 1988
University of New Mexico; Lecturer, Frontiers of Medical Biology; Immunobiology; Special Topics in Immunology; Seminars in Immunopathology; Inflammation and Host Defense; Immunopathogenesis of Infectious Disease, Immunobiology, January 1995-Present
American Thoracic Society, Post-Graduate Course: Pulmonary Defense Mechanisms in Infection; Development of Antibody-mediated (Th2-Type) Immunity in the Lung, May 1998, 2000, 2002, 2004, 2006 and 2008

PEER REVIEWED PUBLICATIONS

1. Wilder, J. A., J. S. Cowdery and R. F. Ashman: The influence of Lipopolysaccharide Content on the Apparent B Cell Stimulating Activity of Anti-Mu Preparations. *J. Immunol. Methods* 110: 63, 1988.
2. Wilder, J. A. and R. F. Ashman: Actin Polymerization in Murine B Lymphocytes is Stimulated by Cytochalasin D, But Not by Anti-immunoglobulin. *Cell. Immunol.* 137: 514, 1991.
3. Yuan, D., J. A. Wilder, T. Dang, B. Garni-Wagner, M. Bennett and V. Kumar: Activation of B Lymphocytes by Natural Killer Cells. *Int. Immunol.* 4: 1373, 1992.
4. Yuan, D., J. A. Wilder, B. B. Moore and T. Dang: Mechanism of Lipopolysaccharide-Mediated Transcriptional Enhancement of the μ Gene. *J. Immunol.* 148: 3652, 1992.
5. Yuan, D., C. Koh and J. A. Wilder: Interactions Between B Lymphocytes and NK Cells. *FASEB J.* 8: 1012, 1994.

6. Wilder, J. A. and D. Yuan: Regulation of Interferon- γ mRNA Production in Murine Natural Killer Cells. *Int. Immunol.* 7: 575, 1995.
7. Wilder, J. A., C. Y. Koh and D. Yuan: The Role of Natural Killer Cells During *In Vivo* Antigen-Specific Antibody Responses. *J. Immunol.* 156: 146, 1996.
8. Cheung, J. C., C. Y. Koh, B. E. Gordon, J. A. Wilder and D. Yuan: The Mechanism of Activation of NK Cell IFN γ Production by Ligation of CD28. *Mol. Immunol.* 36: 361-372, 1999.
9. Lovchik, J., J. A. Wilder, C. R. Lyons, R. Riblet and M. F. Lipscomb: Ig Heavy Chain Complex-linked Genes Influence the Immune Response in a Murine Cryptococcal Infection. *J. Immunol.* 163: 3907-3913, 1999.
10. Wilder, J. A., D. D. S. Collie, B. S. Wilson, D. E. Bice, C. R. Lyons and M. F. Lipscomb: Dissociation of Airway Hyperresponsiveness from IgE and Airway Eosinophilia in a Murine Model of Allergic Asthma. *Am. J. Respir. Cell Mol. Biol.* 20: 1326, 1999.
11. Wilder, J. A., D. D. S. Collie, D. Bice, C. R. Lyons and M. F. Lipscomb: Ovalbumin Aerosols Induce Airway Hyperreactivity in Naïve DO11.10 T-Cell Receptor Transgenic Mice Without Pulmonary Eosinophilia or OVA-Specific Antibody. *J. Leuk. Biol.* 69: 538-547, 2001.
12. Barrett, E. G., J. A. Wilder, T. H. March, T. Espindola and D. E. Bice: Cigarette Smoke-Induced Airway Hyperresponsiveness is Not Dependent on Elevated Immunoglobulin and Eosinophilic Inflammation in a Murine Model of Allergic Asthma. *Am. J. Respir. Crit. Care Med.* 165: 1410-1418, 2002.
13. Tesfaigzi, Y., M. J. Fischer, M. Daheshia, F. H. Y. Green, G. T. De Sanctis and J. A. Wilder: Bax is Crucial for IFN- γ -Induced Resolution of Allergen-Induced Mucous Cell Metaplasia. *J. Immunol.* 169: 5919-5925, 2002.
14. Wilder, J. A., G. Olson, Y. C. Chang, K. J. Kwon-Chung and M. F. Lipscomb: Complementation of a Capsule Deficient *Cryptococcus neoformans* with *Cap64* Restores Virulence in a Murine Lung Infection. *Am. J. Respir. Cell Mol. Biol.* 26: 306-314, 2002.
15. Hernandez-Hansen, V., J. D. Bard, C. A. Tarleton, J. A. Wilder, C. A. Lowell, B. S. Wilson and J. M. Oliver: Increased Expression of Genes Linked to Fc ϵ RI Signaling and to Cytokine and Chemokine Production in Lyn-Deficient Mast Cells. *J. Immunol.* 175(12): 7880-7888, 2005.
16. Gao, N., P. Schwartzberg, J. A. Wilder, B. R. Blazar and D. Yuan: B Cell Induction of IL-13 Expression in NK Cells: Role of CD244 and SLAM-Associated Protein. *J. Immunol.* 176(5): 2758-2764, 2006.
17. March, T. H., J. A. Wilder, D. C. Esparza, P. Y. Cossey, L. F. Blair, L. K. Herrera, J. D. McDonald, M. J. Campen, J. L. Mauderly and J. Seagrave: Modulators of Cigarette Smoke-Induced Pulmonary Emphysema in A/J Mice. *Toxicol. Sci.* 92(2): 545-559, 2006.
18. Pierce, J., J. Rir-Sima-ah, I. Estrada, J. Wilder, A. Strasser and Y. Tesfaigzi: Loss of Pro-apoptotic Bim Promotes Accumulation of Pulmonary T Lymphocytes and Enhances Allergen-Induced Goblet Cell Metaplasia. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 291(5): L862-L870, 2006.
19. Scott, B. R., S. A. Belinsky, S. Leng, Y. Lin, J. A. Wilder and L. A. Damiani: Radiation-Stimulated Epigenetic Reprogramming of Adaptive-Response Genes in the Lung: An Evolutionary Gift for Mounting Adaptive Protection Against Lung Cancer. *Dose-Response* 7(2): 104-131, 2009.

INVITED REVIEWS

1. Schuyler, M. and J. A. Wilder: T Lymphocyte Subpopulations in Human Allergic Disease. In *T Lymphocyte Subpopulations in Immunotoxicology* (M. J. Selgrade and I. Kimber, eds.), pp. 233-252, Zeneca, 1998.

2. Lipscomb, M. F., C. R. Lyons, A. A. Izzo, J. A. Lovchik and J. A. Wilder: Experimental Pulmonary *Cryptococcus* Infection in Mice. In *Handbook of Animal Models of Infection* (O. Zak and M. A. Sande, eds.), Academic Press Ltd., 1999.
3. Lipscomb, M. F. and J. A. Wilder: Immune Dysregulation as a Cause for Allergic Asthma. *Curr. Opin. Pulm. Med.* 5: 10-20, 1999.
4. Lipscomb, M. F., A. Izzo, J. A. Wilder, J. A. Lovchik and C. R. Lyons: Factors Regulating Effective T-Cell Immunity in the Lung. *Eur. Respir. Rev.* 10: 70, 103-107, 2000.
5. Lipscomb, M. F., J. A. Wilder and B. J. Masten: Chapter 2, Dendritic Cells and Their Role in Linking Innate and Adaptive Immune Responses. In *The Biology of Dendritic Cells and HIV Infection* (S. Gessani and F. Belardelli, eds.), pp. 45-84, Springer, 2007.

ABSTRACTS PRESENTED AT SCIENTIFIC MEETINGS (SINCE 1995)

1. Wilder, J. A. and M. F. Lipscomb: Serum Antibody Against *Cryptococcus neoformans* May Inhibit Pulmonary Clearance in a Murine Model of Cryptococcosis. 3rd NIAID Workshop in Medical Mycology, Big Sky, MT, September 1995.
2. Lyons, C. R., J. A. Wilder, D. D. S. Collie, B. S. Wilson, D. E. Bice and M. F. Lipscomb: Dissociation of Airway Hyperreactivity from Eosinophilia and IgE Levels in Alum Immunized and Aerosolized Mice. 93rd American Thoracic Society International Conference, New Orleans, LA, May 1996.
3. Lovchik, J., J. Wilder, M. F. Lipscomb, R. Riblet and C.R. Lyons: The Clearance Rate of Pulmonary Cryptococcal Infection is Determined by a Gene on Chromosome 12. 3rd International Conference on Cryptococcus and Cryptococcosis, Paris, France, September 1996.
4. Lovchik, J. A., J. A. Wilder, C. R. Lyons, R. Riblet and M. F. Lipscomb: The Clearance Rate of a Pulmonary Fungal Infection is Determined by a Gene on Chromosome 12. AAAAI/AAI/CIS Joint Meeting, San Francisco, CA, February 1997.
5. Wilder, J. A., B. J. Forrister, Y. C. Chang, K. J. Kwon-Chung and M. F. Lipscomb: Acquisition of a Polysaccharide Capsule Inhibits Pulmonary Clearance of *Cryptococcus neoformans* Strain TYCC38-602. 4th NIAID Workshop in Medical Mycology, Lake Tahoe, CA, August 1997.
6. Wilder, J. A., B. J. Forrister, Y. C. Chang K. J. Kwon-Chung and M. F. Lipscomb: Acquisition of a Polysaccharide Capsule Inhibits Pulmonary Clearance of *Cryptococcus neoformans* Strain TYCC38-602. 94th American Thoracic Society International Conference, Chicago, IL, April, 1998.
7. de la Torre, H., M. F. Lipscomb and J. A. Wilder: Accumulation and Activation of DO11.10 T Cell Antigen Receptor Transgenic +/- Cells in the Lungs of Adoptively Transferred Non-transgenic Recipients After Intratracheal Administration of OVA. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, September 1998.
8. Eichinger, M. R., W. D. Stofer and J. A. Wilder: Hypoxic-Mediated Relaxation of Isolated Mouse Airway. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, September 1998.
9. Wilder, J. A., C. Pertab, T. Espindola and D. E. Bice: Development of Humoral and Cellular Immunity to Ovalbumin in DO11.10 T Cell Receptor Transgenic +/- Mice Chronically Exposed to Aerosolized Ovalbumin. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, September 1998.

10. Wilder, J. A. and M. F. Lipscomb: Accumulation and Activation of DO11.10 T Cell Receptor Transgenic +/- Cells in the Lungs and Spleens of Adoptively Transferred BALB/c Recipients After Intratracheal Administration of Ovalbumin. Keystone Symposia, Immunological and Biological Aspects of Therapeutic Protein Deliver to the Lungs, Tamarron, CO, March 1999.
11. Eichinger, M. R., W. D. Stofer and J. A. Wilder: Hypoxia Mediated Relaxation of Isolated Mouse Airway. Experimental Biology '99, Washington, DC, April 1999.
12. Wilder, J. A. and A. A. Izzo: Pulmonary BCG Infection Induces Airway Hyperresponsiveness and a Type 1 Immune Response in BALB/c Mice. Experimental Biology '99, Washington, DC, April 1999.
13. Wilder, J. A. and M. F. Lipscomb: Accumulation and Activation of DO11.10 T Cell Receptor Transgenic +/- Cells in the Lungs and Spleens of Adoptively Transferred Non-transgenic Recipients After Intratracheal Administration of Ovalbumin. 95th American Thoracic Society International Conference, April 1999.
14. Wilder, J. A., G. K. Olson, S. M. Wright, K. M. Rardin, K. A. Hoag, A. A. Izzo, J. A. Lovchik, C. R. Lyons and M. F. Lipscomb: The Route of Inoculation can Determine the Resultant Murine Immune Response to *Cryptococcus neoformans* Strain 52D. American Association of Immunologists and Clinical Immunology Society Joint Annual Meeting, Seattle, WA, May 2000.
15. Wilder, J. A., G. Olson, L. Izzo, K. Olejar, S. Wright, Y. C. Chang, K. J. Kwon-Chung and M. F. Lipscomb: Murine T Lymphocytes Fail to Control Pulmonary Growth but do Limit Brain Dissemination of *Cryptococcus neoformans* Strain TYCC38-602. 96th American Thoracic Society International Conference, Toronto, Canada, May 2000.
16. Wilder, J., E. G. Barrett, T. Espindola, M. F. Lipscomb and D. E. Bice: Chronic Exposure of DO11.10 T Cell Receptor Transgenic Mice to Aerosolized Ovalbumin Induces Airway Hyperreactivity in the Absence of Systemic Priming. Experimental Biology 2001, Orlando, FL, April 2001.
17. Wilder, J. A., D. D. S. Collie, D. E. Bice, Y. Tesfaigzi, C. R. Lyons and M. F. Lipscomb: Ovalbumin Aerosols Induce Local OVA-Specific T Cell Accumulation and Airway Hyperreactivity in Naïve DO11.10 T Cell Receptor Transgenic Mice in the Absence of Pulmonary Eosinophilia or OVA-Specific Antibody. 97th American Thoracic Society International Conference, San Francisco, CA, May 2001.
18. Wilder, J. A., K. M. Rardin, J. F. Trulley and M. F. Lipscomb: Route of Inoculation and Inbred Mouse Strain Determine the Resultant Immune Response to *Cryptococcus neoformans* Strain 52D. 2nd *Cryptococcus neoformans* Genomics Meeting, St. Louis, MO, June 2001.
19. Wilder, J. A., K. M. Rardin, J. F. Trulley, M. E. Behrens and M. F. Lipscomb: Studying the Genetic Regulation of Pulmonary Immunity to *Cryptococcus neoformans* Strain 52D Provides Insight into the Genes Involved in the Asthmatic Inflammatory Response. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, October 2001.
20. Wilder, J., K. M. Rardin, J. F. Trulley, M. E. Behrens, P. Gemmell and M. F. Lipscomb: Resistance to Pulmonary and Systemic *Cryptococcus neoformans* Infection is Enhanced by Previous Inoculation at the Opposite Site in Inbred Strains of Mice. Experimental Biology 2002, New Orleans, LA, 2002.
21. Wilder, J. A., K. M. Rardin, J. F. Trulley, M. E. Behrens and M. F. Lipscomb: Studying the Genetic Regulation of Pulmonary Immunity to *Cryptococcus neoformans* Strain 52D Provides Insight into the Genes Involved in the Asthmatic Inflammatory Response. 98th American Thoracic Society International Conference, Atlanta, GA, May 2002.
22. Rardin, K. M., J. F. Trulley, M. E. Behrens, P. Gemmell, M. F. Lipscomb and J. A. Wilder: Resistance to Pulmonary and Systemic *Cryptococcus neoformans* Infection is Enhanced by Previous Inoculation at the Opposite Site in Inbred Strains of Mice. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, October 2002.

23. Sanchez, M. Y., M. E. Behrens, K. M. Rardin, L. Salter, G. N. Brock, C. R. Lyons, M. F. Lipscomb and J. A. Wilder: Development of Type 1 Pulmonary Immunity to *Cryptococcus neoformans* Maps to Genes Encoded on Chromosomes 3 and 6 in the Mouse. 99th American Thoracic Society International Conference, Seattle, WA, May 2003.
24. Wilder, J. A., J. F. Trulley, H. Chand, M. F. Lipscomb and W. Kisiel: The Plasmin Inhibitor TFPI-2 Blocks Mononuclear Cell Transepithelial Migration into Airways in a Murine Model of Allergic Asthma. Lovelace Respiratory Research Institute International Symposium, Santa Fe, NM, October 2003 and 100th American Thoracic Society International Conference, Orlando, FL, May 2004.
25. Sanchez, M., L. Salter, M. Behrens, K. Rardin, C. R. Lyons, M. Lipscomb and J. Wilder: Identifying Genes Important in the Pulmonary Immune Response to *Cryptococcus neoformans* by Microarray and Quantitative Trait Loci Analysis. Experimental Biology 2004, Washington, DC, April 2004.
26. Wilder, J., J. Trulley, C. Schwab and M. Lipscomb: Murine Lung Dendritic Cell Function is Altered by Type 1 and Type 2 Inflammatory Milieus In Vivo. Experimental Biology 2004, Washington, DC, April 2004.
27. Wilder, J. A., J. C. Seagrave, K. M. Rardin, M. Y. Sanchez and T. H. March: Chronic Cigarette Smoke Exposure Induces Accumulation of Activated CD4 and CD8 T Cells in Lung Tissue and the Airway Lumen in a Murine Model of Emphysema. 100th American Thoracic Society International Conference, Orlando, FL, May 2004.
28. Sanchez, M., V. Hernandez-Hansen, L. Salter, C. Lyons, M. F. Lipscomb and J. A. Wilder: Characterization of the Pulmonary Immune Response of Mice Infected with *Cryptococcus neoformans* using Microarray Analysis: A Model for Asthma. Experimental Biology 2005, San Diego, CA, April 2005.
29. Wilder, J. A., A. Farrar, J. Trulley, C. Hensler, M. Carter and M. F. Lipscomb: Mouse Strain-Dependent Functional Differences in Lung Dendritic Cells Contribute to the Regulation of Pulmonary Immunity to *Cryptococcus neoformans*. Experimental Biology 2005, San Diego, CA, April 2005.
30. Hernandez-Hansen, V., M. Carter, M. Lipscomb and J. A. Wilder: Genetic and Anatomical Differences in Dendritic Cells May Contribute to the Development of Disparate Immune Responses. American Association of Immunologists Annual Meeting, Boston, MA, May 2006.
31. Sanchez, M., V. Hernandez-Hansen, L. Salter, M. F. Lipscomb and J. A. Wilder: IL-12R β 2 is a Possible Candidate Gene Regulating the Immune Response to *Cryptococcus neoformans* Infection in Mice. American Association of Immunologists Annual Meeting, Boston, MA, May 2006.
32. Wilder, J. A., F. Kleinschnitz, R. White, K. Rardin, B. Welsh, N. Wangler, N. Donart, K. Gott, A. Beavis and M. Sanchez: Chronic Cigarette Smoke Exposure Alters the Pulmonary Inflammatory and Serum Antibody Response to Aerosolized Ovalbumin. 101st American Thoracic Society International Conference, San Diego, CA, May 2006.
33. Couch, R. C., C. H. Hobbs, R. L. Sherwood, T. L. Brasel, J. A. Hutt, J. A. Wilder, A. E. Kajon, J. A. Hewitt, E. R. Carter, M. X. Challberg, R. X. Johnson, H. X. Schlitz, D. E. Hruby and R. X. Jordan: Prevention of Monkeypox in Cynomolgus Macaques Challenged with Monkeypoxvirus by Oral Administration of SIGA-246. 5th ASM Biodefense and Emerging Disease Research Meeting, Washington, DC, February 2007.
34. Hernandez-Hansen, V., M. B. Carter, M. F. Lipscomb and J. A. Wilder: Stimulation by TLR2 Agonists Reveals Differences in Signaling Properties of Dendritic Cells from Distinct Anatomical Sites and Murine Strains. Keystone Symposia J8, Intracellular and Intercellular Signaling in Dendritic Cell Function, Keystone, CO, February 2007.
35. Wilder, J. A., C. J. Hensler, M. C. Peceny, Q. M. Sanchez, M. B. Carter and M. F. Lipscomb: The Effect of Pulmonary LPS Administration on the Development of Allergic Asthmatic Inflammation is Mouse-Strain Dependent. 102nd American Thoracic Society International Conference, San Francisco, CA, May 2007.

36. Wilder, J. A., A. Monier, R. Sherwood and C. R. Lyons: Immune Responses of Cynomolgus Macaques to Francisella Tularensis Live Vaccine Strain Differ Kinetically Based on the Route of Systemic Vaccination. American Society of Microbiology Biodefense 2008, Baltimore, MD, February 2008.
37. Wilder, J. A., V. Hernandez-Hansen, K. Gott, M. B. Carter, B. Crowder and M. F. Lipscomb: TLR2 Ligation Reveals Differences in Cytokine Secretion and Signaling Properties of Dendritic Cells from Distinct Anatomical Sites and Murine Strains. Experimental Biology 2008, San Diego, CA, April 2008.
38. Wilder, J. A., K. Gott, A. Monier, N. Kikendall, B. Meyer, P. Aragon, F. Kleinschnitz, R. White and J. McDonald: Nicotine Fails to Mimic the Suppressive Effects of Chronic Cigarette Smoke Exposure on the Pulmonary Inflammatory Response to Aerosolized Ovalbumin. Flight Attendants' Medical Research Institute 7th Scientific Symposium, Boston, MA, May 2008 and 103rd American Thoracic Society International Conference, Toronto, ON, May 2008.

INVITED PRESENTATIONS

1. Murine Models of Allergic Asthma. University of New Mexico Department of Molecular Genetics and Microbiology, Albuquerque, NM, February 1998.
2. Development of Pulmonary Immunity. New Mexico Clinical Laboratory Society, Albuquerque, NM, March 2000.
3. Development of Antibody-Mediated Immunity in the Lung. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, Toronto, Ontario, Canada, May 2000.
4. Role of Infection in Prevalence of Allergic Asthma: Lessons Learned from a Mouse Model. University of New Mexico, Department of Pathology Grand Rounds, Albuquerque, NM, November 2000.
5. Development of Antibody-Mediated Immunity in the Lung. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, Atlanta, GA, May 2002.
6. Genetic Regulation of Pulmonary Immunity to *Cryptococcus neoformans* – Insights into the Asthmatic Inflammatory Response. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, Santa Fe, NM, October 2002.
7. Murine Models of Asthma – The Promises Outweigh the Pitfalls. 31st Annual New Mexico Thoracic Society Lung Disease Symposium, Santa Fe, NM, February 2003.
8. Development of Antibody-Mediated Immunity in the Lung. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, Orlando, FL, May 2004.
9. Pulmonary Immunity to *Cryptococcus neoformans* – It's all in the Genes. Loyola University Medical College, Chicago, IL, April 2005.
10. Pulmonary Immunity to *Cryptococcus neoformans* – It's all in the Genes. University of Michigan, Department of Internal Medicine, Pulmonary Division, Ann Arbor, MI, April 2005.
11. Development of Antibody-Mediated Immunity in the Lung. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, San Diego, CA, May 2006.
12. Development of Antibody-Mediated Immunity in the Lung. American Thoracic Society Post-graduate Course: Pulmonary Defense Mechanisms in Infection, Toronto, ON, May 2008.

ORAL PRESENTATIONS AT SCIENTIFIC MEETINGS

1. Antigen-Induced Airway Hyperreactivity in Ovalbumin T Cell Receptor Transgenic Mice. American Thoracic Society International Conference, San Francisco, CA, May 1997.

2. Humoral and Cellular Immunity to Ovalbumin in DO11.10 T cell Receptor Transgenic +/- Mice Chronically Exposed to Aerolized Ovalbumin. Experimental Biology '99, Washington, DC, April 1999.
3. Determinants of Pulmonary Th1 and Th2 Milieus During Infection: Implications for Allergic Asthma Development. American Thoracic Society International Conference, San Diego, CA, April 1999.
4. IL-12 p35 Deficient Mice Fail to Develop Pulmonary Type 1 Immunity to *Cryptococcus neoformans*. American Association of Immunologists Annual Meeting, Denver, CO, May 2003.
5. Murine Lung Dendritic Cell Function is Altered by Type 1 and Type 2 Inflammatory Milieus In Vivo. Experimental Biology 2004, Washington, DC, April 2004.
6. Strain-dependent Differences in Lung Dendritic Cell Function Account for Disparate Pulmonary Immune Responses and Susceptibility to *Cryptococcus neoformans*. American Association of Immunologists Annual Meeting, Boston, MA, May 2006.
7. Second-hand Smoke Alters the Chronicity of the Pulmonary Inflammatory Response in a Murine Model of Chronic Allergic Asthma. Flight Attendant Medical Research Institute's Sixth Scientific Symposium, Miami, FL, May 2007.
8. The Dendritic Cell in Asthma: Friend or Foe. American Thoracic Society International Conference, San Francisco, CA, May 2007.