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EDUCATION

Ph.D., Biology (Immunotoxicology)	Mississippi State University, MS	1996
B.S., Clinical Laboratory Science	Western Carolina University, NC	1991

PROFESSIONAL EXPERIENCE

Associate Professor, Clinical Laboratory Science, School of Allied Health Sciences, University of Nevada, Las Vegas		2005-current
Medical Laboratory Directory, Southern Nevada Adult Mental Health Services (SNAMHS) Rawson-Neal Psychiatric Hospital		2007-current
Research Toxicologist, Agriculture and Immunotoxicology Group, Office of the Director, and Analytical Science Branch, Health Effects Laboratory Division, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control		2002-2004
Associate Professor, Department of Medical Laboratory Sciences, MUSC		2000-2002
Assistant Professor, Department Medical Laboratory Sciences, MUSC	1996-2000	
Adjunct Faculty, Marine Biomedical Environmental Science Program, MUSC		1999-2002
U.S. Army Summer Faculty Research & Engineering Program. Walter Reed Army Institute of Research, Washington, D.C. Mentor: Dr. Urszula Kryzch.		1997
Medical Technologist, Oktibbeha County Hospital, Starkville, MS		1991-1996
Medical Technologist, Mission Memorial Hospital, Asheville, NC		1991

CERTIFICATIONS and LICENCES

Medical Technology, Association of the Society of Clinical Pathologists	1991- current
Diplomate of the American Board of Toxicology (DABT)	2006-current
Licensed Laboratory Director, State of Nevada	2007-current
Accepted for examination for Diplomate of American Boards of Clinical Chemistry	2007

FELLOWSHIPS and HONORS

Developing Scholar of the Year Award, Health Sciences Foundation, MUSC	2000
Scholar of the Year Award, College of Health Professions, MUSC	1999
Outstanding Presentation in Risk Assessment, Society of Toxicology, Baltimore, MD.	1995
Department of Biological Sciences, MSU, Graduate Research Fellowship	1994
Outstanding Presentation, Immunology and Microbiology Division of the Mississippi Academy of Science	1992

GRANTS PENDING

Building Support Systems to Improve Allied Health Education for Minority Students. R25 submitted to NIH January 2009. R25 PAR 07-411. Total: **\$1.1 million**. Funding Period: 5 years. PIs: Deborah E. Keil and Janice M. Conway-Klaassen, Co-Investigator: Heidi Schneider.

Gender differences in PPAR α & NF κ B pathways cause male immune sensitivity to PFOS. RO3 submitted to NIH October 2008. **\$100,000**. Funding Period: 2 years. PI: Margie Peden-Adams. Co-PI: Deborah E. Keil

GRANTS FUNDED

Plasma Ghrelin Levels Following Diet-Induced Weight Loss. September 2008. **\$10,000**. UNLV RDA. Funding Period: 1 year. Primary Investigators: Sally Miller (nursing); Co-PI: Deborah E. Keil

Labs are Vital, Abbott Laboratory. AxSYM Clinical Chemistry Instrumentation. September 2008. **\$127,000**. Primary Investigators: Janice Conway-Klaassen and Deborah E. Keil

Establishment of a Clinical Research Core Laboratory. Awarded December 2007. University of Nevada Las Vegas, Research Infrastructure Award. Total: **\$100,000**. Funding Period: 1 year. Investigators: Deborah E. Keil, J. Klaassen, J. McWhorter, M. Landers, M. Elekonich, M. Peden-Adams

Development of Carbon Nanotube Pipettes (CNPs) for Single Cell Surgery in Nanomedicine Era. Awarded August 2007. University of Nevada Las Vegas, Presidents Award. Total: **\$50,000**. Funding Period: 2 years. Investigators: Shizhi Qian, Yingtao Jiang, Biswajit Das, Marcos A. Cheney, Deborah E. Keil.

Establishing Biomarkers for Low Back Pain Disability. Funded by University of Nevada Las Vegas. Awarded May 1, 2007. Total: **\$9,541**. Funding Period: 1 year. Investigators: Nancy Mendel, Merrill Landers, and Deborah E. Keil.

The Role of PFOS on Immunological Cell Types and Mechanisms of Suppression in the Development of Primary IgM Immunological Responses. Funded by School of Health and Human Sciences, University of Nevada Las Vegas. Awarded February 2006. Total: **\$6,666**. Funding Period: 1 year. Principal Investigator: Deborah Keil; Co-Investigator: Margie Peden-Adams, Ph.D. In addition, EPSCOR Nevada also funded an undergraduate student, Ms. Jennifer Berger, in support of this project for an additional **\$4,500**.

A Comparative Study Evaluating the Dose-Responsive Effects of Methylmercury and Thimerosal on Select Nervous, Immune and Enzyme Parameters during Vulnerable Periods of Development. Funded by *Cure Autism Now* Foundation. Awarded August 1, 2001. Total: **\$171,756**. Funding Period: Mar 2002-Mar 2004. Principal Investigator: Deborah Keil, Ph.D., Co-Investigators: Margie Peden-Adams, Ph.D. and Ronald Brown, Ph.D.

Evaluation of Immunotoxicity Due to Concurrent Exposure to DEET, Pyridostigmine, and JP-8 Jet Fuel. Funded by the Department of Army. US Army Center for Environmental Health Research. Total: **\$448,369**. Funding Period: February 1999 – February 2002. Principal Investigator: Deborah Keil, Ph.D. Co-Investigator: Gary Gilkeson, MD.

Immunotoxicity Due to Coexposure of DEET, Pyridostigmine, and Stress. Funded by Department of Veterans Administration. Total: **\$300,000**. Funding Period: November 1998-November 2001. Principal Investigator: Gary Gilkeson, MD. Co-Investigator: Deborah Keil, Ph.D.

Evaluation of Immunotoxicological Effects of Concurrent Exposure to Ammonium Perchlorate and Trichloroethylene in Drinking Water. Funded by the Dean of the College of Health Professions, Medical University of South Carolina, July 1, 2000. Total: **\$7,000**. Principal Investigator: Deborah Keil, Ph.D., Co-Investigators: Gary Gilkeson, M.D., and Margie Peden-Adams, Ph.D.

Immunological Effects of Trichloroethylene Exposure. Funding yearly from October 1999 – October 2001 by Environmental Biosciences Program, Medical University of SC. Support: **\$50,000** per year. Principal Investigator: Gary Gilkeson, MD. Co-Investigator: Deborah Keil, Ph.D.

Intracellular Signaling Pathways as Targets of Uranium Immunotoxicity. Funded by Environmental Biosciences Program, Medical University of SC. Total: **\$47,647**. Funding Period: October 1998- October 1999. Principal Investigator: Karen Burnett, Ph.D. Co-Investigator: Deborah Keil, Ph.D. (did not conduct study as Dr. Burnett accepted a faculty position at College of Charleston)

Effects of Ammonium Perchlorate on Thyroid Hormone Levels, Hematopoiesis, and Immune Status of B6C3F1 Female Mice. Funded by the Department of Defense. US Defense Special Weapons Agency, June 1997. Total: **\$298,177**. Funding Period: January 1998 - August 1999. Principal Investigator: Deborah Keil, Ph.D. Co-Investigator: Alan Warren, Ph.D.

The Immune Status of Mice Exposed In Utero to JP-8 Jet Fuel: Relationship to Maternal-Fetal Pharmacokinetics. Funded by the Department of Defense. US Defense Special Weapons Agency, June 1997. Total: **\$284,845**. Funding Period: January 1998 - December 1999. Principal Investigator: Deborah Keil, Ph.D. Co-Investigator: Alan Warren, Ph.D.

Evaluation of a Multivariate Statistical Model for Immunotoxicology Data. Funded by the Dean of the College of Health Professions, Medical University of South Carolina, April 1, 1997. Total: **\$5,000**. Principal Investigator: Deborah Keil, Ph.D.

NIOSH RESEARCH STUDIES

Evaluation of Immunotoxicity due to Jet Fuel Exposure During *In Utero* Development. Project Period: June 2002-2004. Principal Investigator: Deborah Keil, Ph.D.

Immunotoxicity to Perfluorinated Compounds Following Exposure During *In Utero* Development. Project Period: June 2002-2004. Principal Investigator: Deborah Keil, Ph.D.

BOOK CHAPTERS

Keil, D.E. 2006. Immunotoxicology of Jet Propulsion Fuel-8. Chapter in 3rd edition, Immunotoxicology and Immunopharmacology. Editor Dr. Robert Leubke, EPA. CRC Press.

Pruett, S.B. and Keil, D.E. 1999. Metam Sodium. Invited chapter in Hayes Handbook of Pesticide Toxicology, Academic Press, San Diego.

Wu, W. J., Carson, E. J., Collier, S. D., Keil, D.E., Weiss, P. A., and Pruet, S. B. 1996. Effects of drugs on immune system parameters. Handbook of Human Toxicology. Edited by Dr. E. J. Massaro. CRC Press, Inc., Boca Raton, Fl.

Pruett, S.B., Keil, D.E., Ensley, M., and Luebke, R.W. 1996. Interspecies immunotoxicity: Relative importance of acquired and innate immune functions. Modulators of Immune Responses. The Evolutionary Trail. Eds. J.S. Stolen, T.C. Fletcher, C.J. Secombes, J.T. Zelikoff, L.E. Twerdok, D.P. Anderson. SOS Publications, Fair Haven, NJ. p. 343-350

PUBLICATIONS

Peer-Reviewed

Fair, P., Driscoll, E., Mollenhauer, M.A.M., Bradshaw, S., Yun, S., Kannan, K., Bossart, G.D., Keil, D.E., and Peden-Adams, M.M. 2009. Immunotoxicological effects following 28-day exposure to perfluorooctane sulfonate (PFOS). [Submitted](#).

Keil, D.E., Dudley, A.C., EuDaly, J., Allen, C.T., Gilkeson, G.S., and Peden-Adams, M.M. 2009. *N,N*-diethyl-*m*-toluamide (DEET) alters immune function in B6C3F1 mice. *Toxicological Sciences*, 108:110-123. Impact factor: 3.814

Peden-Adams, M.M., Keil, D.E., and Gilkeson, G.S. 2008. Response to “Comments on ‘Lifetime exposure to trichloroethylene (TCE) does not accelerate autoimmune disease in MRL+/+ mice’” Letter to the Editor. *Journal of Environmental Science and Health, Part A*, 43:1402-1409. Impact Factor: 1.805

Keil, D.E., Peden-Adams, M.M., Wallace, S. Redmond, K., Ruiz, P., and Gilkeson, G.S. 2008. Assessment of trichloroethylene (TCE) exposure in murine strains genetically-prone and non-prone to develop autoimmune disease. *Journal of Environmental Science and Health, Part A*, 2009, 44:443-453; Impact Factor: 1.805

Peden-Adams, M.M., Stuckey, J.E., Gaworecki, K., Berger-Ritchie, J., Bryant, K. Jodice, P. G., Scott, T., Boone, J.S., Ferrario, J.B., Guan, B., Vigo, C., McGuinn, W.C., DeWitt, J.C., and Keil, D.E. 2008. Developmental toxicity of perfluorooctane sulfonate (PFOS) in white leghorn chickens following *in ovo* exposure. *Reproductive Toxicology*, 2009. [In Press](#). Impact Factor: 2.157

Peden-Adams, M.M., EuDaly, J.G., Miller, J., Keil, D.E. and Gilkeson, G.S. 2008. Lifetime exposure to trichloroethylene does not accelerate autoimmune disease in MRL +/- mice. *Journal of Environmental Science and Health, Part A*, 43:1402–1409; Impact Factor: 1.805

Peden-Adams, M.M., Keller, J.M., EuDaly, J.G., Berger, J., Gilkeson, G.S., and Keil, D.E. 2008. Suppression of humoral immunity following exposure to perfluorooctane sulfonate (PFOS). *Toxicological Sciences*, 104:144-154; Impact factor: 3.814

Keil, D.E., Mehlmann, T., Butterworth, L. and Peden-Adams, M.M. 2008. Gestational Exposure to PFOS Suppresses Immunological Function in F1 Mice. *Toxicological Sciences*, 103:77-85; Impact factor: 3.814

Cheney, M.A., Keil, D.E. and Qian, S. 2008. Uptake and Effect of Mercury on Amino Acid Losses from the Gills of the Bivalve Mollusks *Mytilus californianus* and *Anodonta californirnsis*. *Journal of Colloid and Interface Science*, 320:369-375. Impact Factor: 2.309

Peden-Adams, M.M., EuDaly, J.G., Dabra, S., EuDaly, A., Heesemann, L. M., Smythe, J., and Keil, D.E. 2007. Suppression of humoral immunity following exposure to the perfluorinated insecticide sulfluramid. *Journal of Environmental Science and Health, Part A*, 70(13):1130-1141; Impact Factor: 1.805.

Peden-Adams, M.M., EuDaly, J.G., Heesemann, L. M., Smythe, J., Miller, J., Gilkeson, G.S., and Keil, D.E. 2006. Developmental immunotoxicity of trichloroethylene (TCE): Studies in B6C3F1 mice. *Journal of Environmental Science and Health, Part A*, 41:249-271; Impact Factor: 1.805.

Leonard, S.S., Keil, D.E., Mehlmann, T., Proper, S., Xianglin, S., and Harris, G.K. 2006. Essiac tea: Scavenging of reactive oxygen species and effects on DNA damage. *Journal of Ethnopharmacology*, 103(2):288-96; Impact Factor: 2.049

Keller, J.M., McClellan-Green, P.D., Kucklick, J.R., Keil, D.E., and Peden-Adams, M.M. 2006. Effects of organochlorine contaminants on loggerhead sea turtle immunity: Comparison of a correlative field study and *in vitro* exposure experiments. *Environmental Health Perspectives*, 114(1): 70-76; Impact Factor: 5.64

B'Hymer, C., Keil, D.E., and Cheever, K.L. 2005. A Test Procedure for the Determination of the (2-Methoxyethoxy) acetic Acid in Urine from Jet Fuel Exposed Mice. *Toxicology Mechanisms and Methods*, 15 (5): 367; Impact Factor: 0.557

Keller, J.M., McClellan-Green, P.D., Lee, A.M., Arendt, M.D., Maier, P.P., Segars, A.L., Whitaker, J.D., Keil, D.E., and Peden-Adams, M.M. 2005. Mitogen-Induced Lymphocyte Proliferation of Loggerhead Sea Turtles: Comparison of Methods and Effects of Gender and Body Condition on Immunity. *Veterinary Immunology and Immunopharmacology*, Feb 10;103(3-4):269-81; Impact Factor: 1.652

Peden-Adams, M.M., Dudley, A.C., EuDaly, J.G., Allen, C.T., Gilkeson, G.S., and Keil, D.E. 2004. Pyridostigmine bromide alters immune function in B6C3F1 mice. *Immunopharmacology and Immunotoxicology* 26(1)1-15; Impact Factor: 0.766

Keil, D.E., Dudley, A.C., EuDaly, J., Dempsey, J., Butterworth, L., Gilkeson, G.S., and M.M. Peden-Adams. 2004. Immunological and hematological effects observed in B6C3F1 mice exposed to JP-8 jet fuel for 14 days. *Journal of Toxicology and Environmental Health, Part A*, 67:1-21; Impact Factor: 1.805.

Komutarin, T., Azadia, S., Butterworth, L., Keil, D., Chitsomboon, B., Suttajit, M., and Meade, B.J. 2004. Extract of the seed coat of *Tamarindus indica* inhibits nitric oxide production by murine macrophages *in vitro* and *in vivo*. *Food and Chemical Toxicology*, 42(4):649-58; Impact Factor: 2.186

Swenk, R., Asher, L., Chalom, I., Lanar, D., Sun, P., White, K., Keil, D., Kester, K., Stoute, J., Gray Heppner, D., and Krzych, U. 2003. Opsonization by antigen-specific antibodies a mechanism of protective immunity induced by *Plasmodium falciparum* circumsporozoite protein-based vaccine. *Parasite Immunology*, 25:17-25; Impact Factor: 2.231

Keil, D.E., Warren, D.A., Jenny, M.J., EuDaly, J., Smythe, J., and M.M. Peden-Adams. 2003. Immunological function in mice exposed to JP-8 jet fuel *in utero*. *Toxicological Sciences*, 76(2):347-356; Impact factor: 3.814

Allen, C.T., Peden-Adams, M.M, EuDaly, J., and Keil, D.E. 2003. Subchronic exposure to ellagic acid impairs cytotoxic T-cell function and suppresses humoral immunity in mice. *Immunopharmacology and Immunotoxicology*, 25 (3): 409-422; Impact Factor: 0.766

Watt, J.M., Wade, M.M., Holman, S.C., Wilson, W.W., Keil, D.E., Pruett, S.B., Jacques, M., Champlin, F.R. 2003. Influence of serotype A capsulation on cell surface physiologic factors in *Pasteurella multocida*. *Colloids and Surfaces B: Biointerfaces*. 28:227-238

Peden-Adams M.M., EuDaly, J., EuDaly, E., Dudley, A., Zeigler, J., Lee, A., Robbs, J., Gilkeson, G. and Keil, D.E. 2002. Evaluation of immunotoxicity induced by single or concurrent exposure to N,N-diethyl-m-toluamide, pyridostigmine bromide and JP-8 jet fuel. *Toxicology and Industrial Health*, 17(5-10): 192-209; Impact Factor: 0.731

Wear, D.J., D.E. Keil, and R. Altig. 2002. Interobserver survey comparisons: Stream frogs in southeastern Madagascar and a lab test. *Herpetological. Natural History* 9(1): 79-82

Keil, D.E., Leubke, R.W., and Pruett, S.B. 2001. Quantifying the relationship between immunological parameters and host resistance. *Journal of Immunology*, 167:4543-4552; Impact Factor: 7.145.

Pruett S.B., Myers, L.P., and Keil D.E. 2001. Toxicology of metam sodium. *Journal of Toxicology & Environmental Health. Part B, Critical Reviews.* 4(2):207-22

Dudley, A.C., Peden-Adams, M., EuDaly, J., Pollenz, R.S., and Keil, D.E. 2001. An aryl hydrocarbon receptor independent mechanism of immunotoxicity of JP-8 jet fuel. *Toxicological Sciences*, 59: 251-259; Impact factor: 3.814

Keil, D.E., Luebke, R.W., Ensley, M., Gerard, P., and Pruett, S.B. 1999. Evaluation of multivariate statistical methods for analysis and modeling of immunotoxicology data. *Toxicological Sciences*, 51:245-258; Impact factor: 3.814

Keil, D.E., Padgett, E.L., Barnes, D.B., and Pruett, S.B. 1996. The role of decomposition products in sodium dimethyldithiocarbamate (SMD)-induced immunotoxicity. *Journal of Toxicology and Environmental Health*, 47:479-492

Moore, C., Keil, D.E. and Coats, K. 1996. Thermal Inactivation of Bovine Immunodeficiency Virus. *Applied and Environmental Microbiology*, 62:4280-4283

Keil, D.E., Luebke, R.W., and Pruett, S.B. 1995. Differences in the effects of dexamethasone on macrophage nitrite production: Dependence on exposure regimen (*in vivo* or *in vitro*) and activation stimuli. *International Journal of Immunopharmacology*, 17:157

Pruett, S. B., Ensley, D.K. and Crittenden, P. 1993. The role of chemical-induced stress responses in immunosuppression: A review of quantitative associations and cause-effect relationships between chemical-induced stress responses and immunosuppression. *Journal of Toxicology and Environmental Health*, 39:163

Education Reviews

Keil, D.E. 1999. Bacterial sepsis associated with platelet transfusion. American Society of Clinical Pathologists. Tech Sample No. I-4. p. 21-26

Keil, D.E. 1998. Serologic problems associated with intravenous immunoglobulin therapy. American Society of Clinical Pathologists. Tech Sample No. I-4. p. 23-28

POSTERS, ABSTRACTS and PRESENTATIONS

National Peer-Reviewed, Published Abstracts

Peden-Adams, M.M. and Keil, D.E. Suppression of immune function in mice following developmental exposure to PFOS. Platform presentation at the Society of Toxicology. #2243. March 2009.

Keil, D.E., Mollenhauer, M., Berger-Ritchie, J., Lutman, M., Morse, M. and Peden-Adams, M.M. PFOS-Induced Immune Modulation in B6C3F1 Mice Following Oral Exposure *The Toxicologist*, Vol. 83, No. S-1, March 2009

Peden-Adams, M.M., Mollenhauer, A.M., Keil, D.E. Comparative Immunological Responses between Wild-Type and PPAR- α Null Mice Following Exposure to PFOS. *The Toxicologist*, Vol. 83, No. S-1, March 2009

Morse, M., Mollenhauer, M., Lutman, M., Berger-Ritchie, J., Keil, D.E., and Peden-Adams, M.M. Effects of Perfluorooctane Sulfonate (PFOS) on Macrophage Function and Splenocyte Subpopulations in B6C3F1 Mice. *The Toxicologist*, Vol. 83, No. S-1, March 2009

Mollenhauer, M., Fair, P., Driscoll, E., Keil, D.E., and Peden-Adams, M.M. The effects of perfluorooctane sulfonate exposure on inflammation in B6C3F1 mice. *The Toxicologist*, Vol. 82, No. S-1, March 2008

Fair, P., Bossart, G., Mollenhauer, M., Keil, D.E., and Peden-Adams, M.M. Immunological alterations in B6C3F1 mice following oral exposure to a brominated flame retardant mixture: DE-71. *The Toxicologist*, Vol. 82, No. S-1, March 2008

Peden-Adams, M.M., Mollenhauer, M., Driscoll, E., Berger, J., Keil, D.E., and Fair, P. Evaluation of possible modes of action for PFOS-induced humoral immunosuppression. *The Toxicologist*, Vol. 82, No. S-1, March 2008

Mollenhauer, M., Driscoll, E., Bradshaw, S., Berger, J., Fair, P.A., Keil, D.E., Peden-Adams, M.M. Immune Alterations in B6C3F1 mice following oral exposure to PFOS. *Society of Environmental Toxicology and Chemistry (SETAC)*, Annual Meeting Milwaukee, WI, November 2007

Keil, D.E., EuDaly, J., Berger, J., Pangallo, J., Peden-Adams, M.M. PFOS-Induced Immune Modulation in B6C3F1 Mice Following Oral Exposure. *The Toxicologist*, Vol. 81, No. S-1, March 2007

Berger, J., Stuckey, J., Pangallo, J., EuDaly, J., Scott, T., Bryant, K., Keil, D.E., Jodice, P., and Peden-Adams, M.M. Immunological Alterations in Chicks Following In Ovo Exposure to Perfluorooctane Sulfonate (PFOS). *The Toxicologist*, Vol. 81, No. S-1, March 2007

Stuckey, J., Bryant, K., Pangallo, J., Berger, J., EuDaly, J., Keil, D.E., Jodice, P., Peden-Adams, M.M. Immunological Alterations in Chicks Following In Ovo Exposure to A Brominated Flame Retardant Mixture: DE-71. *The Toxicologist*, Vol. 81, No. S-1, March 2007

Keil, D.E., Stuckey, J., EuDaly, J.G., Lee, A.M., Pangallo, J., Berger, J., Jodice, P., Scott, T.R., Peden-Adams, M.M. (2007). Effects of PFOS on Developmental Immune Function in Rodent and Avian Models. Perfluoroalkyl Acids and Related Chemistries: Toxicokinetics and Mode-of-Action Workshop. Society of Toxicology – Current Concepts in Toxicology. February 14-16, 2007. Westin Arlington Gateway, Arlington, VA.

Peden-Adams, M.M., Romano, T., EuDaly, J.G., Muir, D.C.G., Houde, M., Bossart, G.D., Fair, P.A., Keil, D.E. (2007). Comparison of Immune Modulation in Two Mammalian Species In Relation To PFOS Exposure. Perfluoroalkyl Acids and Related Chemistries: Toxicokinetics and Mode-of-Action

Workshop. Society of Toxicology – Current Concepts in Toxicology. February 14-16, 2007. Westin Arlington Gateway, Arlington, VA.

McGuinn, W., Peden-Adams, M., EuDaly, J., Gilkeson, G., and Keil, D.E. The pharmacokinetics of DEET in the mouse. *The Toxicologist*, Vol. 80, No. S-1, March 2006

Peden-Adams, M., Stuckey, J., EuDaly, J., and Keil, D.E. Oral exposure to perfluorooctane sulfonate (PFOS) for 28 days suppresses immunological function in B6C3F1 mice. *The Toxicologist*, Vol. 80, No. S-1, March 2006

Keil, D.E., Eudaly, J., Miller, J., Gilkeson, G., Peden-Adams, M.M.. Lifetime exposure to trichloroethylene (TCE) does not Accelerate autoimmune disease in MRL +/+ mice. *The Toxicologist*, Vol. 80, No. S-1, March 2006

Keil, D.E., Mehlmann, T., Butterworth, L. and Peden-Adams. 2005. Gestational Exposure to PFOS Suppresses Immunological Function in F1 Mice. *The Toxicologist*, Vol. 79, No. S-1, March 2005

Keil, D.E., Heesemann, L.M., Miller, J., EuDaly, J.G., Gilkeson, G.G., and Peden-Adams, M.M. 2004. The Delayed-Type Hypersensitivity Response is a Biomarker for Trichloroethylene Exposure. *Society of Environmental Toxicology and Chemistry (SETAC)*, 25th Annual Meeting, November 2004

Smythe, J., Keil, D.E., EuDaly, J., Griffin, W.C., and Peden-Adams, M.M. Assessment of Postnatal Exposure to Thimerosal or Methylmercury using a Morris Water Maze Procedure in B6C3F1 Mice. *The Toxicologist*, Vol. 78, No. 1-S, March 2004

Peden-Adams, M.M., EuDaly, J., Heesemann, L., Smythe, J., and Keil, D.E. Postnatal Exposure to Thimerosal Alters Immunological Function in Adult Mice. *The Toxicologist*, Vol. 78, No. 1-S, March 2004

Keil, D.E., Butterworth, L. Azadi, S. and Peden-Adams, M.M. Dermal Exposure to JP-8 Jet Fuel During Pregnancy Alters Immunological Function in F1 Mice. *The Toxicologist*, Vol. 78, No. 1-S, March 2004

Keil, D.E., Heesemann, L., Adams, C., Meyers, K., EuDaly, A., Smythe, J., EuDaly, J., Gilkeson, G., and Peden-Adams, M.M. Immunological Function is Altered After Lifetime Exposure to Trichloroethylene (TCE). *Society of Environmental Toxicology and Chemistry (SETAC)*, 23rd Annual Meeting, November 2003

Keil, D.E., Adams, C., Butterworth, L. EuDaly, J., and Peden-Adams, M. M. JP-8 Jet Fuel Does Not Alter Serum Cytokine Levels in B6C3F1 Mice Following 7-Day Oral or Dermal Exposure. *The Toxicologist*, Vol. 72, No. S-1, p.330, March 2003

Adams, C., Keil, D.E., Meyers, K., EuDaly, A., Smythe, J., EuDaly, J., Gilkeson, G., and Peden-Adams, M.M. Lifetime Exposure to Trichloroethylene (TCE) Modulates Immune Function. *The Toxicologist*, Vol. 72, No. S-1, p.375, March 2003

Mikell, C., Peden-Adams, M.M., Dabra, S., EuDaly, J., Keil, D.E. Hepatic Phase I and II Enzyme Profiles after 7-Day Dermal or Oral Exposure to JP-8 Jet Fuel. *The Toxicologist*, Vol. 72, No. S-1, p.330, March 2003

Peden-Adams, M.M., Adams, C., Meyers, K., EuDaly, A., Smythe, J., EuDaly, J., and Keil, D.E. Varied Exposure Regimes to Methyl Mercury (MeHg) During Postnatal Development Leads to Different Immune Responses. *The Toxicologist*, Vol. 72, No. S-1, p.376, March 2003

M.M. Peden-Adams, J.M. Keller, R. D. Day, A.R. Johnson, J. EuDaly, D.E. Keil, J.R. Kucklick, S. Christopher, P. Maier, B. Stender, A. Segars, and D. Whitaker. Relationship of Lymphoproliferation and Clinical Blood Parameters to Contaminants in Loggerhead Turtles. *Society of Environmental Toxicology and Chemistry (SETAC)*, 23rd Annual Meeting, November 2002

A.R. Johnson, J.M. Keller, J. EuDaly, D.E. Keil, J.R. Kucklick, and M.M. Peden-Adams. Critical Assessment of a Method for Determining Immune Status of Free-Ranging Loggerhead Turtles using Frozen Lymphocytes. *Society of Environmental Toxicology and Chemistry (SETAC)*, 23rd Annual Meeting, November 2002

Peden-Adams, M.M., EuDaly, J., Dudley, A., Zeigler, J., Lee, A., Robbs, J., Gikelson, G., and Keil, D.E. Evaluation of immunotoxicity induced by single or concurrent exposure to N,N-diethyl-m-toluamide (DEET), pyridostigmine bromide (PYR) and JP-8 jet fuel. Invited Speaker for the 36th Annual Conference on Theories and Practices in Toxicology and Risk Assessment, Cincinnati, Ohio April 15-18 (page 29 of program)

Keil, D.E. JP-8 Jet Fuel: From in utero to adult to autoimmunity. National Institutes for Occupational Safety and Health. Invited speaker, September 2001

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Wallace, S., Gilkeson, G., Peden-Adams, M., Redmond, K., and Keil, D.E. The immune effects of trichloroethylene on autoantibody production in two strains of mice. 1st Annual College of Health Professions Student Research Day. April, 2000. Awarded 2nd place.

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