***Curriculum Vitae***

Michelle V. Fanucchi, PhD.

The University of Alabama at Birmingham

School of Public Health

Department Environmental Health Sciences

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**EDUCATION**

B.A. Biology, 1989, College of St. Scholastica, Duluth, MN

Ph.D. Pharmacology & Toxicology, 1996, University of California, Davis

Postdoctoral Environmental and Toxicologic Pathology, 1996-1998, Michigan State University, East Lansing, MI

Postdoctoral Interdisciplinary Pulmonary Disease, 1998-1999, School of Medicine, University of California, Davis

**PROFESSIONAL EXPERIENCE**

1999-2000 University of California, Center for Comparative Respiratory Biology and Medicine, Davis, CA, American Lung Association Research Training Fellow

2000-2007 University of California, School of Veterinary Medicine, Davis, CA, Assistant Research Scientist

2007 University of California, School of Veterinary Medicine, Davis, CA, Associate Research Scientist

2007-present University of Alabama at Birmingham, School of Public Health, Department of Environmental Health Sciences, Birmingham, AL, Associate Professor

2011-2012 University of Alabama at Birmingham, School of Public Health, Department of Environmental Health Sciences, Birmingham, AL, Interim Chair

2012-2016 University of Alabama at Birmingham, School of Public Health, Department of Environmental Health Sciences, Birmingham, AL, Chair

2016-2018 Inaugural Faculty Ombudsman, University of Alabama at Birmingham

**HONORS AND AWARDS**

1985-1989 Recipient, Benedictine Scholarship, College of St. Scholastica

1987-1989 Member, Kappa Kappa Sigma Honor Society, College of St. Scholastica

1991-1992 Recipient, Jastro Shields Research Award, University of California

1996 Recipient, Graduate Studies Student Travel Award, University of California

1997-1998 National Institute of Environmental Health Sciences Training Grant Fellow, Michigan State University

1998 Recipient, Society of Toxicology Inhalation Specialty Section “Paper of the Year”

1998-1999 National Heart, Lung Blood Institute Pulmonary Postdoctoral Training Fellow, University of California

1999-2000 American Lung Association Research Training Fellow, University of California

2009-2010 Participant, BLAZE (**B**uilding **L**eadership **A**ttributes with **Z**eal and **E**xcellence) Academy, University of Alabama at Birmingham

2012 Participant, The Mediation Process and the Skills of Conflict Resolution, Comprehensive Training, MediationMedia, Birmingham, AL

2012-Present The Edge of Chaos (TEoC) Scholar, UAB School of Public Health

2015 Finalist, UAB School of Public Health, President’s Award for Excellence in Teaching

**PROFESSIONAL AFFILATIONS**

Society of Toxicology (SOT)

American Thoracic Society (ATS)

The American Public Health Association (APHA)

Sigma Xi: The Research Society

International Ombudsman Association

**RESEARCH SUPPORT**

**Completed:**

2014-2016 Co-Investigator: Deep South Center for Occupational Health and Safety, CDC-NIOSH 2/3/4/5/T42OH008436 (C. Lungu, Center Director), $1,296,296

2013-2015 Co-Investigator: Establishing Genetically Modified Rat Models of CFTR Function. Cystic Fibrosis Foundation Pilot & Feasibility Study R464-CR07 (E.J. Sorscher, Program Director) $75,000/year

2006-2011 Project 2 Leader: Mechanisms of Species Dependent Environmental Lung Injury. NIEHS ES11617. (E. Postlethwait, Program Director) $155,000/year direct costs (Project 2)

2008-2011 Exposure Core Co-Investigator: Novel Treatments of Chlorine Induced Injury to the Cardio-Respiratory Systems. NIEHS 1U54ES017218 (S Matalon, Program Director) $750,000/year direct costs

2006-2011 Project 1 Co-Investigator: Pulmonary Effects of Environmental Oxidant Pollutants. NIEHS PO1 ES00628. (DM Hyde, Program Director) $246,000/year direct costs (Project 1)

2009-2010 Project 3 Leader: Nanoparticle Induced Injury to the Fetal, Newborn and Adult Mammalian Lungs (S. Matalon, Director) $102,558/yeardirect costs Project 3)

2008-2010 Pilot & Feasibility Project #3:  Postnatal Ozone Exposure in CF Mouse Lung. Cystic Fibrosis Foundation R464-CR07 (E.J. Sorscher, Program Director) $50,000/year

2005 – 2010 Project 1 Leader: San Joaquin Valley Aerosol Health Effects Research Center (SAHERC) EPA R832414-010 (AS Wexler, Program Director) $125,000/year direct costs (Project 1)

2004-2009 Project 3, PI (Effective 5-1-07): 3D Imaging & Computer Modeling of the Respiratory Tract NHLBI HL073598-03 (RA Corley, Program Director) $167,700/year direct costs (Project 3)

2000-2005 Pulmonary Effects of Environmental Oxidant Pollutants. NIEHS 2PO1 ES00628. (C. Plopper, Program Director) Project 1: Epithelial and Mesenchymal Cells and Matrix, $173,371/year direct costs (Project 1).

2002-2003 Early Postnatal Administration of Corticosteroids and Pulmonary Development. CNPRC Pilot Project. $20,000.

1999-2002 Increased Vulnerability of Neonates to Naphthalene and Its Derivatives. US EPA STAR R827442010. $545,346.

1999-2000 Enhanced Toxicant-Induced Lung Injury in Neonates. American Lung Association Research Training Fellowship. $32,500.

**TEACHING EXPERIENCE**

1987-1989 Teaching Assistant, College of St. Scholastica, Department of Chemistry, Duluth, MN. Undergraduate General Chemistry course - Set up and supervised weekly laboratory sessions, graded lab reports, conducted review sessions.

1990 Instructor, "Fast Track to the Future" Duluth, MN. Developed aquatic toxicology program for young girls (4th grade to 9th grade).

1993 Guest Lecturer, University of California at Davis, Department of Environmental Toxicology, Davis, CA. Air Pollutants Undergraduate Course - "Acute Toxicity of Naphthalene."

1993 Teaching Assistant, University of California, Department of Environmental Toxicology; Undergraduate Toxicology course - Developed homework problems and exam questions; graded homework problems, papers and exams; conducted review sessions.

1997 Guest Lecturer, Michigan State University, Department of Pathology, College of Veterinary Medicine, East Lansing, MI, Pathology Graduate Course - “Metabolism and Toxicant-Induced Injury.”

1998 Guest Lecturer, Michigan State University, Department of Pharmacology, East Lansing, MI, Pharmacology Undergraduate Course - “Respiratory Toxicology”

2000 Guest Lecturer**,** University of California at Davis, School of Veterinary Medicine, Davis, CA Basic of Microscopy and Cellular Imaging (APC 298) “Quantitative Fluorescence Imaging”

2008 Guest Lecturer, University of Alabama at Birmingham (UAB), Spring Semester Integrated Biomedical Sciences Graduate Course (IBS 701) “Respiratory Anatomy” and “Cystic Fibrosis” lectures

2008 Guest Lecturer, UAB, Fall Semester, Environmental Health Sciences (ENH 650) “Respiratory Anatomy and Physiology,” “Lung Response to Toxic Insult” and “Role of Diacetyl in Occupational Lung Disease” lectures

2008-2009 Guest Lecturer, UAB, Fall Semester, Toxicology (TOX 712) “Pulmonary Toxicology” lectures

2009-2010 Guest Lecturer, UAB, Spring Semester, Integrated Biomedical Sciences (IBS 701) “Respiratory Anatomy” and “Respiratory Pathophysiology” lectures

2009-2011 **Course Director**, UAB, Spring and Fall Semesters, Environmental Health Sciences (ENH 790) “Special Topics in Environmental Health Sciences”

2009 Guest Lecturer, UAB, Fall Semester, Environmental Health Sciences (ENH 650) “Respiratory Anatomy and Physiology,” “Lung Response to Toxic Insult” and “Role of Ozone in Occupational Lung Disease” lectures

2010 Guest Lecturer, UAB, Spring Semester, Environmental Health Sciences (ENH 600) "Making Regulatory Policy - A Look at the CA-ARB"

2010 Guest Lecturer, UAB, Fall Semester, Environmental Health Sciences (ENH 650) “Respiratory Anatomy and Physiology,” “Lung Response to Toxic Insult” and “Role of Nanoparticles in Occupational Lung Disease” lectures

2011 Guest Lecturer, UAB, Spring Semester, Environmental Health Sciences (ENH 600) “The Role of Environmental Health Scientists on Scientific Advisory Boards”

2011 **Course Director**, UAB, Spring Semester, Graduate Biomedical Sciences (GBS 751) “Physiology and Pathophysiology of the Cardiovascular, Renal and Respiratory Systems”

2011 Guest Lecturer, UAB, Fall Semester, Environmental Health Sciences (ENH 650) “Anatomy and Physiology of the Respiratory System,” “Lung Response to Toxic Insult” lectures

2012-2013 Lecturer, UAB, Spring Semester, Graduate Biomedical Sciences (GBS 751) “Organization of the Respiratory System” and “Respiratory Pathophysiology – Acute and Chronic Lung Injury and Repair”

2012-2013 Guest Lecturer, UAB, Fall Semester, Environmental Health Sciences (ENH 650) “The Respiratory System and its Responses to Toxicants”

2012-2013 **Course Director**, UAB, Fall Semester, Graduate Biomedical Sciences (GBS 704) “Introduction to Experimental Medicine”

2013 **Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 610) “Environmental Disasters”, Online Course

2013-2018 Guest Lecturer, UAB, Fall/Spring Semesters, Graduate School (GRD 717) “Research Ethics: Peer Review”

2013 Guest Lecturer, UAB, Fall Semester, School of Public Health (PUH 200) “Tools of Public Health: Environmental Health Sciences”

2013-2018 **Course Director**, UAB, Fall Semester, Environmental Health Sciences (ENH 610) “Environmental Disasters”, Online Course

2014-2018 **Co-Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 660, in-person format) “Fundamentals of Air and Water Pollution”

2014-2016 **Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 770) “Special Advanced Topics in Environmental Disasters”

2014-2017 **Course Director**, UAB, Fall Semester, Environmental Health Sciences (ENH 301/PUH 321) “The Workplace Environment and Worker Safety and Health”, newly created course, 2014.

2015-present **Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 660, online format) “Fundamentals of Air and Water Pollution”

2015 **Co-Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 650, both in-person and online formats) “Essentials of Environmental and Occupational Toxicology and Diseases”

2015-2016 Guest Lecturer, UAB, Spring Semester, Graduate Biomedical Sciences (GBS 751) “Organization of the Respiratory System”

2015, **Course Director**, UAB, Fall Semester, Environmental Health Sciences (ENH 2018-present 612, online format) “Assessing and Managing Environmental Risks”

2016 **Co-Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 650, in-person) “Essentials of Environmental and Occupational Toxicology and Diseases”

2016 **Co-Course Director**, UAB, Summer Semester, Environmental Health Sciences (ENH 650, online) Essentials of Environmental and Occupational Toxicology and Diseases

2016-present **Course Director**, UAB, Summer Semester, Environmental Health Sciences (ENH 705/635, online) “Food and Waterborne Diseases” newly created course, 2016.

2017-2018 **Course Director**, UAB, Spring Semester, Environmental Health Sciences (ENH 650, in-person) “Essentials of Environmental and Occupational Toxicology and Diseases.”

2017 **Course Director**, UAB Spring Semester, School of Public Health (PUH 491) Directed study, Joshua Mayfield: “Occupational Health and Safety at Ed Smith Office Machines, Inc.”

2017 **Course Director**, UAB Summer Semester, School of Public Health (PUH 491) Directed study, Sydney Whetstone: current.

2019-present **Course Director**, UAB, Spring/Summer Semester, Environmental Health Sciences (ENH 650, online) “Essentials of Environmental and Occupational Toxicology and Diseases.

***Graduate Level Mentoring (UCD):*** Doctoral Committee Member, Kimberly C. Day, degree awarded June 2006

 Doctoral Committee Member, Lorraine M. Sullivan, degree awarded June 2007

 Postdoctoral Mentor – Gregory Baker, PhD

***Graduate Level Mentoring and Advising (UAB):***

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| --- | --- | --- | --- | --- |
| **Name** | **Degree** | **Program** | **Mentorship Role** | **Degree Completion** |
| Jeffrey Brand | PhD | Environmental Health Sciences | Committee Chair | December 2012 |
| Katherine Tuggle | PhD | Environmental Health Sciences | Research Mentor | December 2012 |
| Azita Amiri | PhD | Nursing | Committee Member | April 2014 |
| Michael Poole | DrPH | Environmental Health Sciences | Committee Member | Withdrawn 2011 |
| Dzigbodi Doke | PhD | Environmental Health Sciences | Committee Member | August 2014 |
| Jonghwa Oh | PhD | Environmental Health Sciences | Committee Member | Summer 2016 |
| **Name** | **Degree** | **Program** | **Mentorship Role** | **Degree Completion** |
| Daniel Smith | PhD | Interdisciplinary Engineering | Committee Member | 2018 |
| Amber Guidry | PhD | Pathobiology & Molecular Medicine | Committee Member | Summer 2017 |
| Laura Jackson | PhD | Genetics and Genomics | Committee Member | Spring 2017 |
| Ijeoma Obi | PhD | Pathobiology & Molecular Medicine | Committee Member | Summer 2019 |
| Brandon Fox | MD/PhD | Pathobiology & Molecular Medicine | Committee Member | Summer 2018 |
| Ashley Conoway | MS | Pathobiology & Molecular Medicine | Committee Member | August 2015 |
| Remi Meyers | PhD | Environmental Health Sciences | Research Mentor | *Withdrawn-2019* |
| Scotty Moates | PhD | Interdisciplinary Engineering | Committee Member | *Current* |
| Ashwini Katre | MSPH | Environmental Health Sciences | Committee Member | May 2009 |
| Amit Yadav | MSPH | Environmental Health Sciences | Committee Member | December 2010 |
| Kyle Floyd | MSPH | Environmental Health Sciences | Committee Member | August 2012 |
| Whitney Theis | MSPH | Environmental Health Sciences | Committee Member | August 2012 |
| Sherrie Hudson | MSPH | Environmental Health Sciences | Committee Member | December 2014 |
| Justin Van Beusecum | PhD | Pathobiology & Molecular Medicine | Committee Member | Summer 2017 |
| Yersina Rector | MPH | Environmental Health Sciences | Academic Advisor | *2016* |
| Adegboyega Adewale | MPH | Environmental Health Sciences | Academic/Internship Advisor | *2014* |
| Jennifer Bain | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2013 |
| Rachel Brewer | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *December 2015* |
| Stephen Filios | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Amber Guidry | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Summer 2017* |
| Rosanne Hill | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Phillip Kramer | PhD | Pathobiology & Molecular Medicine | Academic Advisor | August 2015 |
| Ashish Kurundkar | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2014 |
| **Name** | **Degree** | **Program** | **Mentorship Role** | **Degree Completion** |
| Thaddeus Kwan | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Nicholas Lavalley | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Laura McMeekin | PhD | Pathobiology & Molecular Medicine | Committee Member | *Spring 2016* |
| Matthew Schultz | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Spring 2015* |
| David Scott | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2013 |
| Michael Stec | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Uduak Udoh | PhD | Pathobiology & Molecular Medicine | Academic Advisor | April 2015 |
| Arthur VanValkenburg | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Spring 2017* |
| Danielle Yancey | PhD | Pathobiology & Molecular Medicine | Academic Advisor | December 2014 |
| Francis Crittenden | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Mehak Goel | PhD | Pathobiology & Molecular Medicine | Academic Advisor | August 2015 |
| Neil Kelly | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Bindiya Patel | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2016 |
| Saranya Ravi | PhD | Pathobiology & Molecular Medicine | Academic Advisor | August 2015 |
| Lindsay Turner | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Withdrawn 2014 |
| Justin Van Beusecum | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Summer 2017 |
| JaLessa Wright | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Spring 2019 |
| Andrew Bohannon | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2017* |
| Nathaniel Bone | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Fall 2017* |
| Jamelle Brown | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Current* |
| Divya Devadasan | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Fall 2017* |
| Alex Dussaq | MD/PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2017* |
| Brandon Fox | MD/PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Spring 2020* |
| **Name** | **Degree** | **Program** | **Mentorship Role** | **Degree Completion** |
| Jermaine Johnston | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Chelsea McCoy | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Summer 2016* |
| Frank Myers | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Leave of Absence* |
| Ijeoma Obi | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Summer 2019 |
| Brady Spencer | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2016* |
| Desiree Stewart | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Withdrawn 2014 |
| Timothy Trotter | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Hisham Abdelmotilib | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Andrew Holdbrooks | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Amanda Mohaimany-Aponte | PhD | Pathobiology & Molecular Medicine | Academic Advisor | Fall 2017 |
| Mohammad Abdelgawwad | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Summer 2020* |
| Samantha Lear | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Kellie Regal | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Fall 2019* |
| Shijie Wang | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Summer 2019* |
| Shannon Weeks | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2021* |
| Lance Thielen | PhD | Pathobiology & Molecular Medicine | Academic Advisor | 2018 |
| Reena Beggs | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *2021* |
| Molly (Tyner) Bolland | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Deceased before finishing* |
| Huixian Hong | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Summer 2020* |
| Morgan Locy | MD/PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Spring 2020* |
| Lamin Touray | PhD | Pathobiology & Molecular Medicine | Academic Advisor | *Dismissed 2015* |
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**UNIVERSITY SERVICE**

2001-2002 Committee Member, Ralph Kitchell Fellowship and Robert Emery Smith Memorial Research Fellowship Committee, University of California

2002-2007 Member, Comparative Pathology Graduate Group, University of California

2002-2004 Member, Educational Policy Committee of the Academic Senate Graduate Council, University of California

2005 External Scientific Reviewer, Academic Federation Research Grant Program-Innovative Developmental Awards, University of California

2005-2006 Member, Academic Senate Transportation and Parking Committee, University of California

2006-2007 Member, Support and Welfare Committee of the Academic Senate Graduate Council, University of California

2008-2009 Chair, Environmental Health Sciences Assistant Professor Faculty Search Committee, School of Public Health, University of Alabama at Birmingham (UAB)

2008-2009 Chair, Environmental Health Sciences ERC Director Search Committee, School of Public Health, UAB

2008-2011 Doctoral Program Director, Environmental Health Sciences, UAB

2008-2010 Member, Integrated Biomedical Sciences Steering Committee, Environmental Health Sciences, UAB

2008-present Steering Committee Member, Pulmonary Injury and Repair Center, UAB, School of Medicine

2009-2010 Member, President’s Award for Excellence in Teaching Committee, School of Public Health, UAB

2010-2011 Member, Institutional Animal Care and Use Committee (IACUC), UAB

2010-2016 Member, Graduate Biomedical Sciences (GBS) Admissions Committee, UAB

2010-2016 Member, Pathobiology and Molecular Medicine (PBMM) Graduate Program, Curriculum Committee, UAB

2010 Member, GBS Admissions Committee Breakout Sub-Committee, UAB

2010 Member, School of Public Health “SPH21” Task Force, UAB

2011 Chair, GBS Admissions Committee Breakout Sub-Committee, UAB

2011-2016 Director, Pathobiology and Molecular Medicine (PBMM) Graduate Program, Graduate Biomedical Sciences, UAB

2011 Member, 2012-2013 Named Scholarship Award Committee, UAB School of Public Health

2012 Panelist, Authorship Determination in Peer-Reviewed Publications, School of Public Health-Nutrition Obesity Research Center (NORC)

2012-2016 Member, UAB Medical Scientist in Training Program (MSTP) Advisory Committee

2013 Judge (Chairperson), Graduate Student Research Days, Doctoral Session 12: Public Health and Social & Behavioral Sciences

2013 Faculty Advisor and Judge: School of Public Health Wicked Problem Case Competition, April 4, 2013.

2013 Panelist, “Why West, Texas and Could It Happen Here?” School of Public Health, May 1, 2013

2014 Faculty Advisor and Emcee: School of Public Health Wicked Problem Case Competition, April 10, 2014.

2014 First Week of Classes: Ask a Blazer! Participant (helped answer questions for new students and instructors)

2014-2016 Member, GBS Steering and Advisory Committee

2015 UAB School of Public Health Wicked Case Competition Planning Committee and Team Mentor, March 14, 2015.

2015, 2016 Resource Person, UAB Red Mountain Project: Sustainability in Course Development, April 28-29, 2015

2015-2018 Member, UAB Chemical Safety and Environmental Management Committee

2016-2018 *Ex Officio* Member, UAB Faculty Senate Executive Committee

2017-2018 *Ex Officio* Member, UAB Campus Safety Committee

2017-2018 *Ex Officio* Member, UAB Faculty Policies and Procedures Committee

**PROFESSIONAL SERVICE**

2004 External Scientific Reviewer, US Environmental Protection Agency, Toxicological Review and Integrated Risk Information System (IRIS) Summary for the Naphthalene Human Health Reassessment.

2004-2006 Member, Air Quality Advisory Committee, California Air Resources Board.

2005-2007 Councilor, Society of Toxicology Inhalation Specialty Section.

2005 Panelist, US Environmental Protection Agency, Peer Consultation Workshop on Research Needs Related to the IRIS Draft Toxicological Review of Naphthalene.

2006 External Scientific Reviewer, Canadian Lung Association Grant in Aid Program.

2006 Speaker, Johns Hopkins University Center for Talented Youth Career Symposium.

2006-2008, 2013 *Ad Hoc* Reviewer, *Toxicological Sciences*

2007, 2011-2012 *Ad Hoc* Reviewer, *Anatomical Record*

2007-2008, *Ad Hoc* Reviewer, *Toxicologic Pathology*

2011-2012

2007-2008 *Ad Hoc* Reviewer, *Journal of Applied Physiology*

2007-2008 *Ad Hoc* Reviewer, *Toxicology*

2008-2009, *Ad Hoc* Reviewer, *American Journal of Physiology, Lung, Cellular and*

2012-present *Molecular Physiology*

2008, 2011-2012 *Ad Hoc* Reviewer, *American Journal of Respiratory Cell and Molecular Biology*

2008-2012 Member, General Biomedical Science Study Section of California’s Tobacco-Related Disease Research Program

2009 *Ad Hoc* Reviewer, *Toxicology and Applied Pharmacology*

2009-2010 *Ad Hoc* Reviewer, *International Journal of Toxicology*

2009-2010, *Ad Hoc* Reviewer, *Free Radical Biology and Medicine*

2012-2013

2009 Member, Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 CVRS-B (58) RC1, National Institutes of Health Challenge Grants

2010-2018 Member, American Thoracic Society’s Assembly on Respiratory Cell & Molecular Biology Educational Session Planning Subcommittee

2010 Member, Third-Hand Smoke and Cigarette Butts Study Section, California Tobacco-Related Disease Research Program

2011-2017 Editor, TheScientificWorldJOURNAL

2012 *Ad Hoc* Reviewer, *Inhalation Toxicology*

2013-2017 Member, Study Section on Environmental Exposure, Toxicology, and Pathogenesis, California Tobacco-Related Disease Research Program

2012-2016 Member, Society of Toxicology Occupational and Public Health Specialty Section Awards Committee

2013 *Ad Hoc* Reviewer, *Histochemistry and Cell Biology*

2013-2018 *Ad Hoc* Reviewer, *Toxicology Letters*

2013 Facilitator, Thematic Poster Session “Redox and Reactive Oxygen Species in Lung and Airway Pathology”, American Thoracic Society International Conference, Philadelphia, PA, May 19-22, 2013.

2013-2018 Editorial Board Member, *JSM Environmental Science & Ecology*

2014 *Ad Hoc* Reviewer, *The Journal of Pathology*

2014 Member, Scientific Peer Review Panel for National Toxicology Program (NTP) Technical Reports, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, NC, May 22, 2014.

2015 *Ad Hoc* Expert Reviewer, OPUS Grant Review, Review Panel NZ4, National Science Centre (NCN), Krakow, Poland

2015 Moderator, session 5122.0: *New Approaches to Identifying and Addressing Health Hazards,* 143rd American Public Health Association Annual Meeting and Expo, November 4. Chicago, IL.

2016 Moderator, session 5114.0: Community Preparedness and Disaster Response, 144th American Public Health Association Annual Meeting and Expo, November 2, Denver, CO.

2018 Reviewer, American Public Health Association – Global Public Health Film Festival

2019 Moderator, session 3377.0: Assaults and Harassment Trends in the Workplace, 145th American Public Health Association Annual Meeting and Expo, November 4, Philadelphia, PA.

2020 Co-Chair, Attendee Experience Committee, International Ombudsman Association Meeting March 29-April 1, 2020, Portland, OR.

2021 Grant Reviewer, Cystic Fibrosis Research Foundation, Out of Cycle Applications

**COMMUNITY SERVICE**

2010-2013 Volunteer, Birmingham area Tuberous Sclerosis Alliance

2012 Judge, KoronisFest Public Service Announcement Contest, School of Public Health, University of Alabama at Birmingham

2012 Presenter, Healthy Change in Your Community Challenge Project (sponsored by McWane Science Center and UAB Center for Clinical and Translational Science)

2012-2018 Council Member, Co-Chair (2015-2017) One Great Community, Community Engagement component of UAB Center for Clinical and Translational Science. This council is a unique blend of University members and Birmingham area community members. Co-chaired at all times by both a university and a community partner, focusing on how the two groups can help each other.

*Greatest Accomplishment:* Development of the Community Health Innovation Awards (CHIA), a small grant competition focused on community driven solutions to community problems. This grant program in the only one that I know of that helps groups that have never written a grant through the whole process and provides specific mentorship in whatever capacity the community needs

2013-2018 Resource Partner, North Birmingham Community Coalition (NBCC). Served as a scientific and technical support person for the environmental justice community that is currently living within a Superfund designation in North Birmingham.

*Greatest Accomplishment:* 2018 US Environmental Protection Agency Nation Notable Achievement Award (Community Engagement) USEPA Region 4. "For establishing an effective collaborative dialogue and capacity-building process to foster environmental awareness, positive community-industry relations and promote revitalization in Harriman Park, AL."

2014 Facilitator, Jefferson County Department of Health Local Public Health System Assessment, May 15, 2014. Facilitated one of the conversations among the varied public health stakeholders for the Jefferson County Department of Health.

2014 Facilitator, “Community & Academic Agendas: Two Sides to Every Coin” Community ENGAGEment Institute, Birmingham Crossplex, October 10, 2014. Facilitated contentious topic of university-led community projects (neither side felt that the other understood or was honest with the other) in order to conversation forward in a positive manner.

2015 Lecturer, UAB Center for Community Outreach Development: *GeoTeach Cutting Edge Research and Laboratory Experiences to Enhance Your Earth Science Curriculum*, July 6-17, 2015

2015 Member, Making a Visible Difference in Communities: North Birmingham Brownfields Task Force. Successfully secured $400,000 in Phase 1 assessment funds for the US Environmental Protection Agency Brownfields Program

2016-2017 Advisor, Alabama Chapter Albert Schweitzer Fellows Program: Mentee: Rachel Stokes

2016-2017 Member, Advisory Council of Gasp, a Birmingham, AL non-profit organization.

2017- 2018 Treasurer, Board of Directors, Gasp, a Birmingham, AL non-profit organization. The mission of Gasp: “To reduce citizens’ exposure to air pollution, educate the public on the health risks associated with poor air quality, and encourage community leaders to serve as role model by advocating for clean air and clean energy.”

2019-Present Restorative Justice Volunteer, Estes Valley Restorative Justice Partnership (EVRJP). Work with the Estes Park School District R-3 to provide students with safe spaces to discuss difficult topics and address common concerns and challenges while encouraging good decision-making, healthy relationships and resilience.

*Greatest accomplishment:* Working with the Girls Circle program and developing authentic relationships with the students. Helping the girls to counter self-doubt and become advocates for each other.

2019- Present Board Member, Estes Park Museum Friends & Foundation, Inc. A nonprofit dedicated to supporting the Estes Park Museum through fundraising, publications, outreach, volunteerism, special projects, and events to ensure that the Estes Park Museum is the premier local history museum in Colorado.

2020- Present Volunteer Crisis Advocate, Estes Valley Crisis Advocates (EVCA)Overnight on-call advocate. EVCA **provides advocacy services to survivors of crime and trauma including safe housing for domestic violence survivors, counseling, referrals and community education.**

2021–present Editor-in Chief, Estes Park Museum Friends & Foundation, Inc. Press. The Friends Press publishes books oforiginal work that hold the possibility of contributing to new knowledge, understanding, and appreciation of the Estes Valley and its natural, cultural, or historical development.

**BIBLIOGRAPHY**

 **Peer Reviewed Manuscripts**

1. Dady, JM, SP Bradbury, AD Hoffman, **MM Voit**, and DE Olson. Hepatic microsomal *N*-hydroxylation of aniline and 4-chloroaniline by rainbow trout (*Onchorhyncus mykiss*). *Xenobiotica* 21(12):1605-1620, 1991.

2. Plopper, CG, AJ Weir, SJ Nishio, A Chang, **MM Voit**, RM Philpot, and AR Buckpitt. Elevated susceptibility to 4-ipomeanol cytotoxicity in immature Clara cells of neonatal rabbits. *Journal of Pharmacology and Experimental Therapeutics* 269(2):867-880, 1993.

3. Bradbury, SP, JM Dady, PN Fitzsimmons, **MM Voit**, DE Hammermeister, and RJ Erickson. Toxicokinetics and metabolism of aniline and 4-chloroaniline in medaka (*Oryzias latipes*). *Toxicology and Applied Pharmacology* 118:205-214. 1993.

4. **Fanucchi, MV**, ME Murphy, AR Buckpitt, RM Philpot, and CG Plopper. Pulmonary cytochrome P450 monooxygenase and Clara cell differentiation in mice*. American Journal of Respiratory Cell and Molecular Biology* 17:302-314, 1998.

5. **Fanucchi, MV**, AR Buckpitt, ME Murphy, and CG Plopper. Naphthalene cytotoxicity of differentiating Clara cells in neonatal mice. *Toxicology and Applied Pharmacology* 144:96-104, 1998.

6. **Fanucchi, MV**, JA Hotchkiss, and JR Harkema. Endotoxin potentiates ozone-induced mucous cell metaplasia in rat nasal epithelium. *Toxicology and Applied Pharmacology* 152:1-9, 1998.

7. Evans, MJ, LS Van Winkle, **MV Fanucchi**, and CG Plopper. The attenuated fibroblast sheath of the respiratory tract epithelial-mesenchymal trophic unit. *American Journal of Respiratory Cell and Molecular Biology* 21:1-3, 1999.

8. **Fanucchi, MV**, CG Plopper, JR Harkema, and JA Hotchkiss. *In vitro* culture of microdissected rat nasal airway tissue. *American Journal of Respiratory Cell and Molecular Biology* 20(6):1274-1285, 1999.

9. Evans, MJ, LS Van Winkle, **MV Fanucchi**, E Toskala, EC Luck, PL Sannes, and CG Plopper. Three-dimensional organization of the lamina reticularis in the rat tracheal basement membrane zone. *American Journal of Respiratory Cell and Molecular Biology* 22:393-397, 2000.

10. Plopper, CG and **MV Fanucchi.** Do urban environmental pollutants exacerbate childhood lung diseases? *Environmental Health Perspectives* 108:A252-A253, 2000.

11. **Fanucchi, MV**, AR Buckpitt, ME Murphy, DH Storms, BD Hammock, and CG Plopper. Development of phase II xenobiotic metabolizing enzymes in differentiating murine Clara cells. *Toxicology and Applied Pharmacology* 168:253-267, 2000.

12. Schelegle, ES, LJ Gershwin, LA Miller, **MV Fanucchi,** LS Van Winkle, JP Gerriets, WF Walby, AM Omlor, AR Buckpitt, BK Tarkington, VJ Wong, JP Joad, KP Pinkerton, R Wu, MJ Evans, DM Hyde, and CG Plopper. Allergic asthma induced in Rhesus monkeys by house dust mite (*Dermatophagoides farinae*). *American Journal of Pathology* 158:333-341, 2001*.*

13. Plopper, CG, LS Van Winkle, **MV Fanucchi**, SRC Malburg, SJ Nishio, A Chang, and AR Buckpitt. Early events in naphthalene-induced acute Clara cell toxicity. II. Comparison of glutathione depletion and histopathology by airway location. *American Journal of Respiratory Cell and Molecular Biology* 24:272-281, 2001.

14. Evans, M. J., Van Winkle, L. S., **Fanucchi, M.V**., Baker, G. L., Murphy, A. E., Nishio, S. J., Schelegle, E. S., Gershwin, L. J., Sannes, P. L., and Plopper, C. G. Fibroblast growth factor-2 in remodeling of the developing basement membrane zone in the trachea of infant rhesus monkeys sensitized and challenged with allergen. *Laboratory Investigations* 82, 1747-1754, 2002.

15. Evans, M. J., **Fanucchi, M.V**., Van Winkle, L. S., Baker, G. L., Murphy, A. E., Nishio, S. J., Sannes, P. L., and Plopper, C. G. Fibroblast growth factor-2 during postnatal development of the tracheal basement membrane zone. *American Journal of Physiology: Lung Cellular Molecular Physiology* 283, L1263-1270, 2002.

16. Phimister, AJ, KC Day, AD Gunderson, VJ Wong, GW Lawson, **MV Fanucchi**, LS Van Winkle, LV Kendall and CG Plopper. Detection of viral infection in the respiratory tract of virus antibody free mice: Advantages of high-resolution imaging for respiratory toxicology. *Toxicology and Applied Pharmacology* 190:286-293, 2003**.**

17. Evans, MJ, **MV Fanucchi**, GL Baker, LS Van Winkle, LM Pantle, SJ Nishio, ES Schelegle, LJ Gershwin, LA Miller, DM Hyde, PL Sannes, and CG Plopper. Atypical development of the tracheal basement membrane zone of infant rhesus monkeys exposed to ozone and allergen. *American Journal of Physiology: Lung Cellular Molecular Physiology* 285, L931-939, 2003.

18. Schelegle, ES, LA Miller, LJ Gershwin, **MV Fanucchi**, LS Van Winkle, JE Gerriets, WF Walby, V Mitchell, BK Tarkington, VJ Wong, GL Baker, LM Pantle, JP Joad, KE Pinkerton, R Wu, MJ Evans, DM Hyde and CG Plopper. Repeated episodes of ozone inhalation amplifies the effects of allergen sensitization and inhalation on airway immune and structural development in Rhesus monkeys. *Toxicology and Applied Pharmacology* 191:74-85, 2003**.**

19. Larson, SD, ES Schelegle, WF Walby, LJ Gershwin, **MV Fanucchi**, MJ Evans, JP Joad, BK Tarkington, DM Hyde and CG Plopper. Postnatal remodeling of the neural components of the epithelial-mesenchymal trophic unit in the proximal airways of infant rhesus monkeys exposed to ozone and allergen. *Toxicology and Applied Pharmacology* 194:211-220, 2004.

20. Shultz, MA, L Zhang, YZ Gu, GL Baker**, MV Fanucchi,** AM Padua, WA Gurske, D Morin, SG Penn, SB Jovanovich, CG Plopper and AR Buckpitt. Gene Expression Analysis in Response to Lung Toxicants: I. Sequencing and Microarray Development. *American Journal of Respiratory Cell and Molecular Biology* 30:296-310, 2004.

21. Baker, GL, MA Shultz, **MV Fanucchi**, DM Morin, AR Buckpitt, and CG Plopper. Assessing gene expression in lung subcompartments utilizing in situ RNA preservation. *Toxicological Sciences* 77:135-141, 2004.

22. Baldwin, RM, WT Jewell, **MV Fanucchi**, CG Plopper and AR Buckpitt. Comparison of pulmonary/nasal CYP2F expression levels in rodents and rhesus macaque.  *Journal of Pharmacology and Experimental Therapeutics* 309:127-136, 2004.

23. Evans, M, **M Fanucchi**, G Baker, L Van Winkle, L Pantle, S Nishio, E Schelegle, L Gershwin, L Miller, D Hyde and C Plopper. The remodeled tracheal basement membrane zone of infant rhesus monkeys after 6 months of recovery. *Clinical and Experimental Allergy* 34(7):1131-1136, 2004.

24. **Fanucchi, MV**, KC Day, CC Clay and CG Plopper.Increased vulnerability of neonatal rats and mice to 1-nitronaphthalene-induced pulmonary injury. *Toxicology and Applied Pharmacology*, 201:53-65, 2004.

25. Van Winkle, LS, MV Fanucchi, LA Miller, GL Baker, LJ Gershwin, ES Schelegle, DM Hyde, MJ Evans, CG Plopper. Epithelial cell distribution and abundance in rhesus monkey airways during postnatal growth and development. *Journal of Applied Physiology*, 97:2335-2363, 2004.

26. Tran, M-U, A Weir, **M Fanucchi**, A Rodriguez, L Van Winkle, M Evans, S Smiley-Jewell, L Miller, E Schelegle, L Gershwin, D Hyde, C Plopper.Smooth muscle development during postnatal growth of distal bronchioles in infant rhesus monkeys. *Journal of Applied Physiology,* 97:2364-2371, 2004.

27. Tran, M-U, A Weir**, M Fanucchi**, A Rodriguez, L Pantle, S Smiley-Jewell, L Van Winkle, M Evans, L Miller, E Schelegle, L Gershwin, D Hyde and C Plopper.Smooth muscle hypertrophy in distal airways of sensitized infant rhesus monkeys exposed to house dust mite allergen *Clinical and Experimental Allergy* 34(10):1627-1633, 2004*.*

28. Fanucchi, MV, ES Schelegle, GL Baker, MJ Evans, RJ McDonald, LJ Gershwin, E Raz, DM Hyde, CG Plopper and LA Miller. Immunostimulatory oligonucleotides attenuate airways remodeling in allergic monkeys. *American Journal of Respiratory and Critical Care Medicine,* 170:1153-1157, 2004.

29. Lin, CY, MA Isbell, D Morin, BC Boland, MR Salemi, WT Jewell, AJ Weir, **MV Fanucchi,** GL Baker, CG Plopper, AR Buckpitt. Characterization of a Structurally Intact in Situ Lung Model and Comparison of Naphthalene Protein Adducts Generated in This Model vs. Lung Microsomes. *Chemical Research in Toxicology.* 18: 802-13, 2005.

30. Day, KC, CG Plopper, **MV Fanucchi**. Age-specific pulmonary cytochrome P450 3A1 expression in postnatal and adult rats. *American Journal of Physiology: Lung Cellular Molecular Physiology,* 291(1): L75-83, 2006*.*

31. **Fanucchi, MV**, CG Plopper, MJ Evans, DM Hyde, LS Van Winkle, LJ Gershwin, ES Schelegle. Cyclic Exposure to Ozone Alters Distal Airway Development in Infant Rhesus Monkeys. *American Journal of Physiology: Lung Cellular Molecular Physiology,* 291(4):L644-650, 2006.

32. Hyde, DM, LA Miller, ES Schelegle, **MV Fanucchi**, LS Van Winkle, NK Tyler, MV Avdalovic, MJ Evans, R Kajekar, AR Buckpitt, KE Pinkerton, JP Joad, LJ Gershwin, R Wu, CG Plopper. Asthma: a comparison of animal models using stereological methods. European Respiratory Review 15:122-135.

32. Evans, MJ, **MV Fanucchi**, CG Plopper. The basement membrane zone in asthma. Current Respiratory Medicine Reviews 2(3):331-337, 2006.

33. Kajekar, R, EM Pieczarka, SM Smiley-Jewell, ES Schelegle, **MV Fanucchi**, CG Plopper. Early Postnatal Exposure to Allergen and Ozone Leads to Hyperinnervation of the Pulmonary Epithelium. *Respiratory Physiology & Neurobiology,* 155(1):55-63, 2007.

34. Plopper CG, Smiley-Jewell SM, Miller LA, **Fanucchi MV**, Evans MJ, Buckpitt AR, Avdalovic M, Gershwin LJ, Joad JP, Kajekar R, Larson S, Pinkerton KE, Van Winkle LS, Schelegle ES, Pieczarka EM, Wu R, Hyde DM. Asthma/Allergic airways disease: does postnatal exposure to environmental toxicants promote airway pathobiology? *Toxicol Pathol.* 35(1):97-110, 2007.

35. Lee, D-Y,SS Park, GA Ban-Weiss, **MV Fanucchi**, CG Plopper, AS Wexler. Bifurcation model for characterization of pulmonary architecture*. Anatomical Record (Hoboken):* 291(4):379-89, 2008.

36. Lee D, Wexler AS, **Fanucchi MV**, Plopper CG. Expiration rate drives human airway design. *J Theor Biol*. 253(2):381-7, 2008.

37. Lee D, **Fanucchi MV**, Plopper CG, Fung J, Wexler AS. Pulmonary architecture in the conducting regions of six rats. *Anat Rec (Hoboken)* 291(8):916-26, 2008.

38. Einstein, D, B Neradilek, N Polissar, K Minard, C Wallis, **M Fanucchi**, J Carson, A Kuprat, S Kabilan, R Jacob, R Corley. An Automated Self-similarity Analysis of the Pulmonary Tree of the Sprague-Dawley Rat. *Anat Rec (Hoboken)* Dec; 291(12):1628-48, 2008 PMCID: PMC2741094.

39. Bartolucci, A, C Ballinger, S Bae, KP Singh, **MV Fanucchi**, and E Postlethwait. Examining the impact of Ozone on lung health in a vulnerable population: a Bayesian modeling strategy. 18th World IMACS / MODSIM Congress, Cairns, Australia 13-17 July 2009.

40. Carson JP, Einstein DR, Minard KR, **Fanucchi MV**, Wallis CD, Corley RA. High resolution lung airway cast segmentation with proper topology suitable for computational fluid dynamic simulations. *Comput Med Imaging Graph*. 2010 34(7):572-578. PMID: 20382502.

41. M Evans, **M Fanucchi**, L Miller, M Carlson, S Nishio, and D Hyde. Reduction of Collagen VII Anchoring Fibrils in the Airway Basement Membrane Zone of Infant Rhesus Monkeys Exposed to House Dust Mite. *American Journal of Physiology - Lung Cellular and Molecular Physiology.* 298(4):L543-547, 2010. PMCID: PMC2853345.

42. Evans, MJ, **MV Fanucchi**, CG Plopper, and DM Hyde. 2010. The lamina reticularis in the developing primate airway. Anatomical Record 293:947-954. PMID: 20503389

43. Lee, DY, C Wallis, A Wexler, E Schelegle, L Van Winkle, C Plopper, **M Fanucchi**, B Kumfer, I Kennedy, and J Chan. 2009. Small particles disrupt postnatal airway development. *American Journal of Physiology - Lung Cellular and Molecular Physiology* 2010. 109(4):1115-1124. PMID: 20634362

44. Van Winkle, LS, JKW Chan, DS Anderson, B Kumfer, I Kennedy, M Kleeman, A Wexler, C Wallis, AD. Abid, KM Sutherland, and **MV Fanucchi**. Age specific responses to acute inhalation of diffusion flame soot particles: Cellular injury and the airway antioxidant response. *Inhalation Toxicology*, S2:70-83, 2010. PMCID: 3111018

45. Burgess, BL, Cavigiolio, G, **MV Fanucchi**, B. Illek, TM. Forte and MN Oda. A phospholipid-apolipoprotein A-I nanoparticle containing amphotericin B as a drug delivery platform with cell membrane protective properties. International Journal of Pharmaceutics. 399(1-2):148-155, 2010. PMCID 2946961.

46. Maniar-Hew, K, E Postlethwait, **M Fanucchi**, C Ballinger, M Evans, JHarkema, S Carey, R McDonald, A Bartolucci, and L. Miller. Postnatal Episodic Ozone Results in Persistent Attenuation of Pulmonary and Peripheral Blood Responses to LPS Challenge. American Journal of Physiology - Lung Cellular and Molecular Physiology, 300(3):L462-471, 2011. PMCID:3064293.

47. Yadav, AK, S Doran, AA Samal, R Sharma, K Vedagiri, EM Postlethwait, GL Squadrito, **MV Fanucchi**, LJ Robert, RP Patel and S Matalon. Mitigation of chlorine Gas Lung Injury in Rats by Post Exposure Administration of Sodium Nitrite. American Journal of Physiology: Lung Cell and Molecular Physiology, 300(3):L362-369, 2011. PMCID: PMC3064287

48. Katre, A, C Ballinger, H. Akhter, **M. Fanucchi**, D-K Kim, E. Postlethwait, and R-M. Liu. Increased transforming growth factor beta 1 expression mediates ozone-induced airway fibrosis in mice. Inhalation Toxicology, 23(8):486-494, 2011. PMID 21689010, PMCID: PMC3690533.

49. Chan, J, **M Fanucchi**, D Anderson, A Abid, C Wallis, D Dickinson, B Kumfer, I Kennedy, A Wexler, and L Van Winkle. Susceptibility to inhaled flame-generated ultrafine soot in neonatal and adult rat lungs. Toxicological Sciences, 124(2):472-486, 2011. PMCID: PMC3216412.

50. **Fanucchi, MV**, A. Bracher, SF Doran, GL Squadrito, S Fernandez, EM Postlethwait, L Bowen, and S Matalon. Post-exposure antioxidant treatment decreases airway hyperplasia and hyperreactivity due to inhalation in rats. American Journal of Respiratory Cell and Molecular Medicine*,* 46(5):599-606, 2012. PMID: 22162906 PMCID: PMC3359900.

51. Stein, A.; Z Mao, J Morrison, **M Fanucchi**, E Postlethwait, RP Patel, DW Kraus, J Doeller, S Bailey. Metabolic and cardiac signaling effects of inhaled hydrogen sulfide and low oxygen in male rats. Journal of Applied Physiology, 112(10):1659-1669, 2012. PMID: 22403348. PMCID:PMC3365405.

52. [Corley R](http://www.ncbi.nlm.nih.gov/pubmed?term=Corley%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Kabilan S](http://www.ncbi.nlm.nih.gov/pubmed?term=Kabilan%20S%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Kuprat A](http://www.ncbi.nlm.nih.gov/pubmed?term=Kuprat%20A%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Carson J](http://www.ncbi.nlm.nih.gov/pubmed?term=Carson%20J%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Minard K](http://www.ncbi.nlm.nih.gov/pubmed?term=Minard%20K%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Jacob R](http://www.ncbi.nlm.nih.gov/pubmed?term=Jacob%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Timchalk C](http://www.ncbi.nlm.nih.gov/pubmed?term=Timchalk%20C%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Glenny R](http://www.ncbi.nlm.nih.gov/pubmed?term=Glenny%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Pipavath S](http://www.ncbi.nlm.nih.gov/pubmed?term=Pipavath%20S%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Cox T](http://www.ncbi.nlm.nih.gov/pubmed?term=Cox%20T%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Wallis C](http://www.ncbi.nlm.nih.gov/pubmed?term=Wallis%20C%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Larson R](http://www.ncbi.nlm.nih.gov/pubmed?term=Larson%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [**Fanucchi M**](http://www.ncbi.nlm.nih.gov/pubmed?term=Fanucchi%20M%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Postlethwait E](http://www.ncbi.nlm.nih.gov/pubmed?term=Postlethwait%20E%5BAuthor%5D&cauthor=true&cauthor_uid=22584687), [Einstein D](http://www.ncbi.nlm.nih.gov/pubmed?term=Einstein%20D%5BAuthor%5D&cauthor=true&cauthor_uid=22584687). Comparative computational modeling of airflows and vapor dosimetry in the respiratory tracts of a rat, monkey and human. Toxicol Sci. 128(2):500-516, 2012. PMID: 22584687, PMCID: PMC3524950.

53. Plopper, CG, J Joad, L Miller, E Schelegle, **M Fanucchi**, L Van Winkle, N Tyler, M Avdalovic, M Evans, W Lasley, A Buckpitt, K Pinkerton, B Tarkington, S Davis, S, Nishio, L Gershwin, R Wu, and D Hyde. Lung effects of inhaled corticosteroids in a Rhesus monkey model of childhood asthma. Clinical and Experimental Allergy, 42(7):1104-1118, 2012. PMID: 22702509, PMCID: PMC3913647.

54. Samal, AA; J Honavar; A Brandon; K Bradley; S Doran; Y Liu, C Dunaway, C Steele, E Postlethwait; GL Squadrito; **MV Fanucchi**; S Matalon; RP Patel. Administration of nitrite after chlorine gas exposure prevents lung injury: Effect of administration modality. Free Radical Biology and Medicine. 53(7):1431-1439, 2012. PMID: 22917977, PMCID:PMC3448851.

55. Brand, JD, CA Ballinger, KL Tuggle, **MV Fanucchi**, LM Schweibert, EM Postlethwait. Site Specific Dynamics of CD11b+ and CD103+ Dendritic Cell Accumulations Following Ozone Exposure. American Journal of Physiology: Lung, Cell and Molecular Biology. 303(12):L1079-1086, 2012. PMID: 23087018, PMCID:PMC3532582.

56. Tuggle KL, Birket SE, Cui X, Hong J, Warren J, Reid L, Chambers A, Ji D,Gamber K, Chu KK, Tearney G, Tang LP, Fortenberry JA, Du M, Cadillac JM, Bedwell DM, Rowe SM, Sorscher EJ, **Fanucchi MV**. Characterization of Defects in IonTransport and Tissue Development in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)-Knockout Rats. PLoS One. 2014 Mar 7;9(3):e91253. doi:10.1371/journal.pone.0091253. eCollection 2014. PMID: 24608905; PMCID: PMC3946746.

57. Amiri, A, E Pryor, M Rice, CA Downs, A Turner-Henson, G McGregor, **MV Fanucchi**. Formaldehyde Exposure During Pregnancy. MCN, The American Journal of Maternal Child Nursing. 2015 May-Jun;40(3):180-5. doi: 10.1097/NMC.0000000000000125. PMID: 25919211.

58. Saadoon, A, N. Ambalavanan, K Zinn, AP Ashraf, M Mac Ewen, T Nicola, **MV Fanucchi**, WT Harris. Effect of Prenatal versus Postnatal Vitamin D Deficiency on Pulmonary Structure and Function in Mice. American Journal of Respiratory Cell and Molecular Biology. 2017 56(3:383-392. doi**:**10.1165/rcmb.2014-0482OC. PMID 27870560 PMCID: PMC5359534.

# 59. Birket SE, Davis JM, Fernandez CM, Tuggle KL, Oden AM, Chu KK, Tearney GJ, **Fanucchi MV**, Sorscher EJ, Rowe SM. Development of an airway mucus defect in the cystic fibrosis rat. JCI Insight. 2018 3(1). pii: 97199. doi:10.1172/jci.insight.97199. eCollection 2018 Jan 11. PMID: 29321377; PMCID: PMC5821204.

60. Allen S, **Fanucchi MV**, McCormick LC, Zierold K. The Search for Environmental Justice: The Story of North Birmingham. International Journal of Environmental Research and Public Health. 2019 16(12):2117. doi:10.3390/ijerph16122117. PMID: 31207973. PMCID: [PMC6617205](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6617205/).

**Refereed Review Articles**

1. Plopper, CG, A Buckpitt, M Evans, L Van Winkle, M Fanucchi, S. Smiley-Jewell, J Lakritz, J West, G Lawson, R Paige, L Miller and D Hyde. Factors modulating the epithelial response to toxicants in tracheobronchial airways. *Toxicology* 160:173-180, 2001.

2. Evans, ME, LS Van Winkle, MV Fanucchi, and CG Plopper. Cellular and molecular characteristics of basal cells in airway epithelium. *Experimental Lung Research* 27:401-415, 2001.

3. Buckpitt, A., Boland, B., Isbell, M., Morin, D., Shultz, M., Baldwin, R., Chan, K., Karlsson, A., Lin, C., Taff, A., West, J., Fanucchi, M., Van Winkle, L., and Plopper, C. Naphthalene-induced respiratory tract toxicity: metabolic mechanisms of toxicity. *Drug Metabolism Review* 34, 791-820, 2002.

4. Miller, LA, DM Hyde, LJ Gershwin, ES Schelegle, MV Fanucchi, MJ Evans, JE Gerriets, LF Putney, MY Stovall, NK Tyler, JL Usachenko and CG Plopper. The effect of house dust mite aeroallergen and air pollutant exposures during infancy. Chest, 123(3 Supplement): 434S, 2003.

**Peer-Reviewed Chapters in Books**

1.Plopper, CG, R Wu, MV Fanucchi, and JA St. George. Development of Airways in *Asthma*. Eds. P.J. Barnes, M.M. Grunstein, A. Leff, A.J. Woolcock. Raven Press, New York. 1997.

2 Fanucchi, MV and CG Plopper. Developmental Responses to Lung Toxicants in *Comprehensive Toxicology: Toxicology of the Respiratory Tract*. Ed. RA Roth, Elsevier Science, New York. 1997.

3. Plopper, CG and MV Fanucchi**.** Development of Airway Epithelium in *The Lung: Development, Aging and the Environment*. Eds. R Harding, K Pinkerton and C Plopper, Elsevier Academic Press, London. 2004.

4. Fanucchi, MV. Development of Antioxidant and Xenobiotic Metabolizing Enzyme Systems in *The Lung: Development, Aging and the Environment*. Eds. R Harding, K Pinkerton and C Plopper, Elsevier Academic Press, London. 2004.

5. Fanucchi, MV and CG Plopper. Environmental Toxicants and Lung Development in Experimental Models in *The Lung: Development, Aging and the Environment*. Eds. R Harding, K Pinkerton and C Plopper, Elsevier Academic Press, London. 2004.

6. Plopper, CG, SM Smiley-Jewell, LA Miller, MV Fanucchi, MJ Evans, AR Buckpitt, M Avdalovic, LJ Gershwin, JP Joad, R Kajekar, S Larson, KE Pinkerton, LS Van Winkle, ES Schelegle, EM Pieczarka, R Wu, DM Hyde. Primate Models of Allergic Asthma in *Allergy and Allergic Diseases*. Eds. A.B. Kay, J. Bousquet, P.G. Holt, and A.P. Kaplan, Blackwell Publishing, London. 2008.

7. Hyde, DM, LA Miller, ES Schelegle, MV Fanucchi, LS Van Winkle, NK Tyler, MV Avdalovic, MJ Evans, R Kajekar, AR Buckpitt, KE Pinkerton, JP Joad, LJ Gershwin, R Wu, and CG Plopper. Chronic Airway Disease in Nonhuman Primates in *Chronic Obstructive Lung Diseases.* Second ed. Eds. NF Voelkel and W MacNee, BC Decker, Inc., Hamilton. 2008.

8. Fanucchi, MV. Pulmonary Developmental Responses to Toxicants in *Comprehensive Toxicology, 2nd edition.* Ed. CA McQueen. Oxford Elsevier. 2010 pp.199-221.

9. Tuggle, KT and MV Fanucchi. Age-Specific Differences in Pulmonary Cellular Injury and Mitochondrial Damage in *Mitochondria Function in Lung health and Disease*. Ed. V. Nataran and N. Parinandi. Springer Science +Business Media, 2014.

10. Fanucchi, MV. Pulmonary Developmental Responses to Toxicants in *Reference Module in Biomedical Research.* 2014.

#### 11. Plopper, CG and MV Fanucchi. Development of Airway Epithelium in *The Lung: Development, Aging and the Environment, 2nd edition*. Eds. K Pinkerton and R Harding, Elsevier Academic Press, London. 2014.

12. Fanucchi, MV. Development of Antioxidant and Xenobiotic Metabolizing Enzyme Systems in *The Lung: Development, Aging and the Environment*, *2nd edition*. Eds. K Pinkerton and R Harding, Elsevier Academic Press, London. 2014.

**Invited Editorial**

1. Pinkerton, KE, JR Balmes, MV Fanucchi and WN Rom. Ozone, a malady for all ages. *American Journal of Respiratory and Critical Care Medicine,* 175:1-2, 2007*.*

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#### Oral Presentations

1. Voit, MM, Buckpitt, AR, Plopper, CG. Naphthalene cytotoxicity in differentiating Clara cells of neonatal mice. Experimental Biology, Anaheim, CA, April 24-28, 1994.

2. Voit, MM, Buckpitt, AR, Plopper, CG.Heightened naphthalene toxicity in postnatal murine bronchiolar epithelium. Fifth Annual NIEHS Symposium in Toxicology and Environmental Chemistry, Davis, CA, October 13-14, 1995.

3. Voit, M, Chichester, C, Duan, X, Brennan, P, Helton, C, Buckpitt, A, Plopper, C. Differences in murine Clara cell glutathione levels by airway level. ALA/ATS International Conference, Seattle, WA, May 20-24, 1995.

4. Voit, MM, Buckpitt, AR, Plopper, CG. Does postnatal pulmonary development of xenobiotic metabolizing enzymes increase susceptibility to bioactivated Clara cell cytotoxicants? Society of Toxicology, Anaheim, CA, March 10-14, 1996.

5. Voit, MM, Buckpitt, AR, Plopper, CG. Naphthalene injury to Clara cells during postnatal lung development alters the pattern of maturation in conducting airways. ALA/ATS International Conference, New Orleans, LA, May 12-15, 1996.

6. Fanucchi, MV, Murphy, ME, Plopper, CG. Long-term effects of acute naphthalene injury during postnatal development. ALA/ATS International Conference, San Francisco, CA, May 16-21, 1997.

7. Fanucchi, MV, Hotchkiss, JA, Harkema, JR. Endotoxin potentiates ozone-induced mucous cell metaplasia in rat nasal epithelium. ALA/ATS International Conference, Chicago, IL, April 24-29, 1998.

8. Fanucchi, MV, Hotchkiss, JA, Harkema, JR. Maintenance of morphologically distinct secretory and nonsecretory rat nasal epithelium *in vitro*. ALA/ATS International Conference, Chicago, IL, April 24-29, 1998.

9. Fanucchi, MV, Buckpitt, AR, Plopper, CG.Changes in cellular glutathione pools in neonatal mouse lung in response to naphthalene. ALA/ATS International Conference, San Diego, CA, April 23-28, 1999.

10. Fanucchi, MV. Enhanced susceptibility of neonates to environmental pollutants. Center for Comparative Biology and Medicine Pulmonary Seminar Series, University of California, Davis, CA, March 31, 2000.

11. Fanucchi, MV, Hinds, D, Cuellar, JM, Plopper, CG. Species-specific susceptibility of neonatal mice and rats to naphthalene and 1-nitronaphthalene. ALA/ATS International Conference, Toronto, Ontario, Canada, May 5-10, 2000.

12. Fanucchi, MV, Wong, V, Hinds, D, Tarkington, B, Van Winkle, LS, Evans, MJ, Plopper, CG. Repeated episodes of exposure to ozone alter postnatal development of distal conducting airways infant rhesus monkeys. ALA/ATS International Conference, Toronto, Ontario, Canada, May 5-10, 2000.

13. Fanucchi, MV, Sasson, N, King, D, Evans, MJ, Van Winkle, LS, Wong, V., Zhao, YH, Wu, R, Plopper, CG. Airway mucous cell alterations in house dust mite sensitized rhesus monkeys. ALA/ATS International Conference, Toronto, Ontario, Canada, May 5-10, 2000.

14. Fanucchi, MV. Enhanced susceptibility of neonates to environmental pollutants. Society of ToxicologyAnnual Meeting, San Francisco, CA, March 25-29, 2001.

15. Fanucchi, MV, CC Clay, MJ Evans, GL Baker, AM Chang, LJ Gershwin, ES Schelegle, CG Plopper, AR Buckpitt. Alterations in intracellular and extracellular glutathione and mucins in infant rhesus monkeys following inhalation of allergen and ozone. Keystone Symposia 2002: Rethinking the Pathogenesis of Asthma, Sante Fe, NM, February 8-13, 2002.

16. Fanucchi, MV, K Day, CC Clay, C Palma, AR Buckpitt. Alterations in intracellular nasal and pulmonary glutathione pools in adult and neonatal rat following 1-nitronapthalene exposure. ALA/ATS International Conference, Atlanta, GA, May 17-22, 2002.

17. Fanucchi, MV, CC Clay, MJ Evans, GL Baker, AM Chang, LJ Gershwin, ES Schelegle, CG Plopper, AR Buckpitt. Inhalation of allergen and ozone alters intra- and extracellular pulmonary glutathione and mucin in infant rhesus monkeys. ALA/ATS International Conference, Atlanta, GA, May 17-22, 2002.

18. Plopper, CG, MV Fanucchi, MJ Evans, SP Larson, ES Schelegle, JP Joad, KE Pinkerton, LS Van Winkle, LJ Gershwin, LA Miller, R Wu, AR Buckpitt, DM Hyde. Rhesus monkey model of ozone/allergen interactions on lung development – relevance for human effects of air pollution on the etiology of human asthma*.* 12th Conference of the International Society of Exposure Analysis and 14th Conference of the International Society for Environmental Epidemiology, Vancouver, BC, Canada, August 11-15, 2002.

19. Fanucchi, MV, KC Day, CC Clay. Unique susceptibility of infants and children to pulmonary effects of hazardous air pollutants. 4th Annual UC Davis Conference for Environmental Health Scientists: Children’s Health, Napa, CA, August 26, 2002.

20. Fanucchi, MV, MJ Evans, GL Baker, LA Miller, DM Hyde, ES Schelegle, E Raz, CG Plopper. Airways remodeling in young adult rhesus monkeys is inhibited by immunostimulatory DNA sequences (ISS). Keystone Symposia: Regulation of Mucosal Inflammation/Hygiene, Allergy and Asthma (X3/X4), Keystone, CO, April 1-6, 2003.

21. Fanucchi, MV, MJ Evans, GL Baker, DM Hyde, CG Plopper. Quantitation of airway mucous goblet cells: effect of co-exposure to ozone and allergen on site-specific distribution in infant and adult nonhuman primates. Experimental Biology, San Diego, CA, April 11-15, 2003.

22. Fanucchi, MV**.** Effects of air pollutants on postnatal lung development. Society of Toxicology, New Orleans, LA, March 6-10, 2005.

23. Fanucchi, MV**,** LS Van Winkle, R. Bissonette, MJ Evans, ES Schelegle, LA Miller, DM Hyde, CG Plopper Effects of inhaled budesonide on mucous cell differentiation in airways on infant rhesus monkeys. American Thoracic Society International Conference, San Diego, CA, May 20-25, 2005.

24. Fanucchi, MV; L. Davison; B. DeLong; CG Plopper; IM Kennedy; AR Buckpitt. Site-Specific Definition of Acute Airway Epithelial Injury Following a Single Exposure to 1-Nitronapthalene-Coated Carbon Black Particles. Society of Toxicology, San Diego, CA, March 5-9, 2006.

25. Fanucchi, MV. Ozone-Induced changes in Conducting Airways of Non-Human Primates. Society of Toxicology, Seattle, WA, March 16-20, 2008.

26. MV Fanucchi, CA Ballinger, DA Dickinson, EM Postlethwait. Cyclic Postnatal Ozone Exposure Alters Airway Epithelial Development in Wild-type and Cystic Fibrosis Transmembrane Receptor (CFTR) Knockout Mice. American Thoracic Society International Meeting, New Orleans, May 16-19, 2010.

27. MV Fanucchi, MJ Evans, LA Miller, SM Claflin, EM Postlethwait. Postnatal Exposure to Ozone Inhibits Epithelial Secretory Responses to Inhaled Bacterial Endotoxin in Rhesus Primates. American Thoracic Society International Meeting, New Orleans, May 16-19, 2010.

28. MV Fanucchi. Experimental Models for Respiratory Research, Clean Air Initiative: A Scientific and Educational Symposium, September 21, 2012, Sponsored by UAB School of Medicine, Division of Continuing Education.

29. MV Fanucchi. Environmental Justice for North Birmingham – Working Towards a Miracle.” The Edge of Chaos Scholars Lecture Series, October 7, 2014.

30. MV Fanucchi. Environmental Justice. Alabama Public Health Association 2015 Educational Conference. April 9, 2015, Montgomery, AL.

31. MV Fanucchi. Environmental Justice and Birmingham. Red Mountain Project Inaugural Faculty Workshop. April 28-29, 2015, Birmingham, AL.

32. MV Fanucchi. Environmental Justice and Birmingham. Red Mountain Project Faculty Workshop. June 2, 2016, Birmingham, AL.

#### Published Abstracts

1. Dady, JM, MM Voit and SP Bradbury. Formation of hydroquinone from the O-dealkylation of p-methoxyphenol by rainbow trout microsomes. The Toxicologist, 12: 1992.

2. Fitzsimmons, PN, DE Hammerstein, SP Bradbury, RJ Erickson, JM Dady and MM Voit. Toxicokinetics and metabolism of aniline and 4-chloroaniline in medaka (Oryzias latipes). Fifth International Workshop of QSAR in Environmental Toxicology, Duluth, MN, 1992.

3. Edwards, LA, MM Voit, L Miller, R Wu and CG Plopper. The expression of transforming growth factor-alpha and its mRNA throughout lung development in the rabbit. American Review of Respiratory Disease, 147: A940, 1993.

4. Voit, MM, AR Buckpitt and CG Plopper. Naphthalene cytotoxicity in differentiating Clara cells of neonatal mice. FASEB Journal, 8: A850, 1993.

5. Plopper, C, L Van Winkle, S Nishio, A Weir, N Tyler and M Voit. 3-Dimensional mapping of epithelial and repair in distal airways. Molecular Biology of the Cell, 5: 368a, 1994.

6. Voit, M, C Chichester, X Duan, P Brennan, A Buckpitt and C Plopper. Differences in murine Clara cell glutathione levels by airway level. American Journal of Respiratory and Critical Care Medicine, 151: A646, 1995.

7. Plopper, C, M Voit, S Smiley, A Weir, S Nishio and A Buckpitt. Elevated susceptibility to Clara cell cytotoxicants during postnatal lung development: a comparison of naphthalene injury in the mouse and 4-ipomeanol injury in the rabbit. Fundamental and Applied Toxicology, 30: S100, 1996.

8. *Voit, MM*, AR Buckpitt and CG Plopper. Does postnatal pulmonary development of xenobiotic metabolizing enzymes increase susceptibility to bioactivated Clara cell cytotoxicants? Fundamental and Applied Toxicology, 30: A100, 1996.

9. Voit, MM, AR Buckpitt and CG Plopper. Naphthalene injury to Clara cells during early postnatal lung development alters the maturation of conducting airway epithelial cells. American Journal of Respiratory and Critical Care Medicine, 153: A555, 1996.

10. Fanucchi, MV, ME Murphy and CG Plopper. Long-term effects of acute naphthalene injury during postnatal development. American Journal of Respiratory and Critical Care Medicine, 155: A45, 1997.

11. Helton, C, M Murphy, L Van Winkle, M Voit, M Fanucchi, J Harkema and C Plopper. Measurement of gap junction intracellular communication (GJIC) in situ by dye coupling in tracheal epithelium. American Journal of Respiratory and Critical Care Medicine, 155: A872, 1997.

12. Hotchkiss, JA, MV Fanucchi and JR Harkema. Induction of mucous cell metaplasia and enhanced mucin gene (MUC-5), in vitro, by bacterial endotoxin. American Journal of Respiratory and Critical Care Medicine, 157: A729, 1998.

13. Fanucchi, MV, JR Harkema and JA Hotchkiss. Maintenance of morphologically distinct secretary and consecratory rat nasal epithelium in vitro. American Journal of Respiratory and Critical Care Medicine, 157: A448, 1998.

14. Fanucchi, MV, JA Hotchkiss and JR Harkema. Endotoxin potentiates ozone-induced mucous sell metaplasia in rat nasal epithelium. American Journal of Respiratory and Critical Care Medicine, 157: A697, 1998.

15. Van Winkle, LS, AR Buckpitt, SRC Malburg, SJ Nishio, ZA Johnson, AM Chang, MV Fanucchi and CG Plopper. Glutathione (GSH) depletion precedes Clara cell intracellular changes and membrane permeability during early bioactivated toxicity. Molecular Biology of the Cell, 9(S): 2888, 1998.

16. Evans, ME, EC Luck, LS Van Winkle, MV Fanucchi, E Toskala and CG Plopper. Collagen framework of the tracheal basement membrane zone. American Journal of Respiratory and Critical Care Medicine, 159: A439, 1999.

17. Fanucchi, MV, AR Buckpitt and CG Plopper. Changes in cellular glutathione pools in neonatal mouse lung in response to naphthalene. American Journal of Respiratory and Critical Care Medicine, 159: A882, 1999.

18. Plopper, CG, LS Van Winkle, MV Fanucchi, MJ Evans, AJ Weir, SJ Nishio, ES Postlethwait, J West, AR Buckpitt and DM Hyde. Basic principles for use of fluorochromes and filters. The FASEB Journal, 14: 16.2, 2000.

19. Plopper, C, L Van Winkle, M Fanucchi, M Evans, A Buckpitt and R Wu. Alterations in the epithelial/mesenchymal trophic unit of conducting airways in rhesus monkeys exposed to house dust mite allergen. The FASEB Journal, 14: 238.2, 2000.

20. Evans, MJ, LS Van Winkle, MV Fanucchi, V Wong, DM Hyde and CG Plopper. Lateral intracellular space of tracheal epithelium of house dust mite sensitized rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 161: A778, 2000.

21. Paige, RC, SL Brody, MV Fanucchi and CG Plopper. Failure of ciliogenesis in HFH-4 transcription factor deficient mice is correlated with the absence of ezrin. American Journal of Respiratory and Critical Care Medicine, 161: A561, 2000.

22. Evans, MJ, LS Van Winkle, MV Fanucchi, C Fleschner, V Wong and CG Plopper. Focal changes in the tracheal basement membrane zone of house dust mite sensitized rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 161: A275, 2000.

23. Fanucchi, MV, N Sasson, D King, MJ Evans, LS Van Winkle, V Wong, YH Zhao, R Wu and CG Plopper. Airway mucous cell alterations in house dust mite sensitized rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 161: A275, 2000.

24. Fanucchi, MV, V Wong, D Hinds, B Tarkington, LS Van Winkle, MJ Evans and CG Plopper. Repeated episodes of exposure to ozone alter postnatal development of distal conducting airways infant rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 161: A615, 2000.

25. Fanucchi, MV, D Hinds, JM Cuellar and CG Plopper. Species-specific susceptibility of neonatal mice and rats to naphthalene and 1-nitronaphthalene. American Journal of Respiratory and Critical Care Medicine, 161: A172, 2000.

26. Van Winkle, LS, MJ Evans, MV Fanucchi, CD Brown, JA Shimizu and CG Plopper. Epithelial cell proliferation in house dust mite sensitized rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 161: A777, 2000.

27. Schultz, M, RM Baldwin, B Boland, D Morin, A Karlsson, M Fanucchi, CG Plopper and A Buckpitt. Species differences in the pulmonary cytochrome P450 dependent metabolism of cytotoxic PAH. Drug Metabolism Review, 32: Supplement 2, 49ABS, 2000.

28. Plopper, C, M Evans, L Van Winkle, M Fanucchi, S Smiley-Jewell, J Lakritz, J West, G Lawson, R Paige and D Hyde. Events critical to the repair of epithelial injury in the distal tracheobronchial airways. ACVP Meeting, December 3-6, 2000.

29. Plopper, CG, GW Lawson, LS Van Winkle, MV Fanucchi, MJ Evans and AR Buckpitt. Histological and subcellular structure of murine lung. ERS Task Force on Murine Models of Allergic Inflammation, 28-29 September, Ghent, Belgium, 2000.

30. Boland, BC, D Morin, AR Buckpitt, ES Schelegle, LJ Gershwin, MV Fanucchi and CG Plopper. Metabolism of naphthalene (NA) and 1-nitronaphthalene (NN) to electrophilic species in dissected airways of neonatal Rhesus macaques exposed to house dust mite antigen (HDMA) and episodic ozone. Toxicological Sciences, 60(1): A570, 2001.

31. Schultz, MA, SB Jovanovich, E Gu, R Thomas, D Rank, S Penn, MV Fanucchi, CG Plopper and AR Buckpitt. Development of a gene array for expression analysis in rat lung: application to ozone and 1-nitronaphthalene (NN). Toxicological Sciences, 60(1): A596, 2001.

32. Fanucchi, MV. Enhanced susceptibility of neonates to environmental pollutants. Toxicological Sciences, 60(1): A1555, 2001.

33. Plopper, CG, MV Fanucchi, ES Schelegle, LA Miller, LJ Gershwin, LS Van Winkle, MJ Evans, J Joad, KE Pinkerton, AR Buckpitt, R Wu and DM Hyde. Effect of ozone exposure on allergic responses to dust mite in rhesus monkeys. Toxicological Sciences, 60(1): A1555, 2001.

34. Clay, CC, MV Fanucchi, L Tan, LS Van Winkle, MJ Evans and CG Plopper. Postnatal remodeling of the mucous cell population of the epithelial-mesenchymal trophic unit in airways of infant rhesus monkeys exposed to ozone and allergen. UC Davis 12th Annual Undergraduate Research Conference, Davis, CA, April 28, 2001.

35. Evans, MJ, MV Fanucchi, LS Van Winkle, C Fleschner, LJ Gershwin and CG Plopper. Postnatal development of the basement membrane zone in the tracheal epithelial-mesenchymal trophic unit of Rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 163: A91, 2001.

36. Plopper, CG, AJ Weir, M Tran, LS Van Winkle, MJ Evans, LJ Gershwin and MV Fanucchi. Postnatal remodeling of the smooth muscle compartment of the epithelial-mesenchymal trophic unit in the distal airway of infant rhesus monkeys exposed to ozone and allergen. American Journal of Respiratory and Critical Care Medicine, 163: A91, 2001.

37. Evans, MJ, MV Fanucchi, LS Van Winkle, LA Miller, DA King, C Fleschner, LJ Gershwin and CG Plopper. Postnatal remodeling of the basement membrane zone in the epithelial-mesenchymal trophic unit of infant rhesus monkeys sensitized with house dust mite allergen and exposed to ozone. American Journal of Respiratory and Critical Care Medicine, 163: A91, 2001.

38. Buckpitt, AR, MV Fanucchi, LJ Gershwin, ES Schelegle, AM Chang and CG Plopper. Dramatic alterations in glutathione (GSH) levels in microdissected airways of infant monkeys exposed to O3 with and without house dust mite allergen (HDMA). American Journal of Respiratory and Critical Care Medicine, 163: A91, 2001.

39. Fanucchi MV, L Tan, CC Clay, LJ Gershwin, LS Van Winkle, MJ Evans and CG Plopper. Postnatal remodeling of the mucous cell population of the epithelial-mesenchymal trophic unit in airways of infant rhesus monkeys exposed to ozone and allergen. American Journal of Respiratory and Critical Care Medicine, 163: A93, 2001.

40. Miller, LA, CG Plopper, DM Hyde, JE Gerriets, MV Fanucchi, BK Tarkington, VJ Wong, LJ Gershwin and LS Van Winkle. Neonatal pulmonary immune responses following episodic exposure to aerosolized house dust mite. American Journal of Respiratory and Critical Care Medicine, 163: A601, 2001.

41. Evans, MJ, LA Miller, MV Fanucchi, LS Van Winkle, C Fleschner, LJ Gershwin and CG Plopper. Distribution of substance P in the epithelial-mesenchymal trophic unit of house dust mite sensitized rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 163: A827, 2001.

42. Williams, KJ, AJ Phimister, MV Fanucchi and CG Plopper. Glutathione depletion is associated with airway epithelial f-actin alterations. American Journal of Respiratory and Critical Care Medicine, 163: A842, 2001.

43. Plopper, C, M Fanucchi, M Evans, S Larson, E Schelegle, J Joad, K Pinkerton, L Van Winkle, L Gershwin, L Miller, A Buckpitt and D Hyde. Remodeling of the epithelial-mesenchymal trophic unit by cyclic exposures to ozone and house dust mite allergen during postnatal development of tracheobronchial airways in infant Rhesus monkeys. The FASEB Journal, 15: A55, 2001.

44. Lin, C, D Morin, A Karlsson, B Borland, M Fanucchi, G Baker, K Day, C Plopper and A Buckpitt. Protein adducted in naphthalene-induced lung injury using in situ airway incubation. Fifth International Symposium on Spectrometry in the Health and Life Sciences: Molecular and Cellular Proteomics, August 26-30, San Francisco California, 2001.

45. Plopper, CG, MV Fanucchi, MJ Evans, SP Larson, ES Schelegle, JP Joad, KE Pinkerton, LS Van Winkle, LJ Gershwin, LA Miller, R Wu, AR Buckpitt and DM Hyde. Allergen-ozone interactions in non-human primates. Keystone Symposia Abstract Book: Rethinking the Pathogenesis of Asthma, 38, 2002.

46. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, AD Murphy, S Nishio, ES Schelegle, LJ Gershwin, DM Hyde and CG Plopper. Perlecan and fibroblast growth factor immunoreactivity during postnatal development and remodeling of the basement membrane zone of rhesus monkeys exposed to allergen and Ozone. Keystone Symposia Abstract Book: Rethinking the Pathogenesis of Asthma, 38(A208), 2002.

47. Fanucchi, MV, CC Clay, MJ Evans, GL Baker, AM Chang, LJ Gershwin, ES Schelegle, CG Plopper and AR Buckpitt. Alterations in intracellular and extracellular glutathione and mucins in infant rhesus monkeys following inhalation of allergen and ozone. Keystone Symposia Abstract Book: Rethinking the Pathogenesis of Asthma, 58(A209), 2002.

48. Hyde, DM, NK Tyler, RT DeHoff, LF Putney, LA Miller, JE Gerriets, JL Usachenko, MY Stovall, MJ Evans, MV Fanucchi, ES Schelegle, LJ Gershwin and CG Plopper. Increased alveolar septation and loss of conducting airways in infant rhesus monkeys following inhalation of allergens and air pollutants. Keystone Symposia Abstract Book: Rethinking the Pathogenesis of Asthma, 58 (A210), 2002.

49. Fanucchi, MV, CC Clay, MJ Evans, GL Baker, AM Chang, LJ Gershwin, ES Schelegle, CG Plopper and AR Buckpitt. Inhalation of allergen and ozone alters intra- and extracellular pulmonary glutathione and mucin in infant rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 165: A54, 2002.

50. Plopper, C, A Murphy, A Weir, M Tran, M Fanucchi, S Smiley-Jewell, M Evans, L Van Winkle, E Schelegle, L Gershwin, L Miller and D Hyde. Comparison of smooth muscle bundle organization at and between branchpoints in distal conducting airways of infant rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 165: A350, 2002.

51. Plopper, C, A Weir, A Murphy, V Wong, M Fanucchi, M Evans, L Van Winkle, S Nishio, E Schelegle, L Miller, L Gershwin and D Hyde. Cyclic exposure to ozone disrupts postnatal growth of distal conducting airways in infant rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 165: A507, 2002.

52. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, AE Murphy, SJ Nishio, ES Schelegle, LJ Gershwin, and CG Plopper. Perlecan and growth factor-2 immunoreactivity during postnatal development of the basement membrane Ozone of rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 165: A641, 2002.

53. Evans, MJ, LS Van Winkle, MV Fanucchi, GL Baker, AE Murphy, S Nishio, ES Schelegle, LJ Gershwin, and CG Plopper. Fibroblast growth factor-2 and perlecan in the tracheal basement membrane zone of infant rhesus monkeys sensitized with house dust mite allergen. American Journal of Respiratory and Critical Care Medicine, 165: A810, 2002.

54. Hyde, DM, NK Tyler, RT DeHoff, LF Putney, LA Miller, JE Gerriets, JL Usachenko, MY Stovall, MJ Evans, MV Fanucchi, ES Schelegle, LJ Gershwin and CG Plopper. Increased alveolar septation and loss of conducting airways in infant rhesus monkeys following inhalation of allergens and air pollutants. American Journal of Respiratory and Critical Care Medicine, 165: A811, 2002.

55. Larsen, EA, MJ Evans, MV Fanucchi, LS Van Winkle, GL Baker, S Nishio, ES Schelegle, LJ Gershwin and CG Plopper. Remodeling of proximal and distal airways of infant rhesus monkeys sensitized with house dust mite antigen. American Journal of Respiratory and Critical Care Medicine, 165: A811, 2002.

56. Baker, GL, MJ Evans, MV Fanucchi, LS Van Winkle, LA Miller, DM Hyde, LJ Gershwin, ES Schelegle, CZ Wong and CG Plopper. Tracheobronchial airway mast cell distribution and phenotypes in infants using a non-human primate model of allergic asthma. American Journal of Respiratory and Critical Care Medicine, 165: A812, 2002.

57. Fanucchi, MV, K Day, CC Clay, C Palma and AR Buckpitt. Alterations in intracellular nasal and pulmonary glutathione pools in adult and neonatal rat following 1-nitronapthalene exposure. American Journal of Respiratory and Critical Care Medicine, 165: A827, 2002.

58. Plopper, CG, MV Fanucchi, MJ Evans, SP Larson, ES Schelegle, JP Joad, KE Pinkerton, LS Van Winkle, LJ Gershwin, LA Miller, R Wu, AR Buckpitt and DM Hyde. A Rhesus monkey model of ozone/allergen interaction on lung development - relevance for human effects of air pollution on the etiology of human asthma. ISEA/ISEE Abstract Book: Linking Exposures and Health: Innovations and Interactions, A5.05, 2002.

59. Fanucchi, MV, KC Day and CC Clay. Unique susceptibility of infants and children to pulmonary effects of hazardous air pollutants. Fourth Annual UC Davis Conference for Environmental Health Scientists, Napa, CA, August 26, 2002.

60. Plopper, CG, MV Fanucchi, MJ Evans, SP Larson, ES Schelegle, JP Joad, KE Pinkerton, LS Van Winkle, LJ Gershwin, LA Miller, R Wu, AR Buckpitt and DM Hyde. Air pollution and allergen: negative impact on postnatal growth and development of the lungs. Fourth Annual UC Davis Conference for Environmental Health Scientists, Napa, CA, August 26, 2002.

61. Jovanovich, S, M Schultz, L Zhang, M Fanucchi, G Baker, M Bae, A Karlsson, D Morin, C Plopper, S Penn and A Buckpitt. A systems biology approach towards a molecular understanding of toxicology in a mammalian model system. CE in the Biotechnology & Pharmaceutical Industries Symposium, Washington, DC, August 17-19, 2002.

62. Fanucchi, MV, MJ Evans, GL Baker, LA Miller, DM Hyde, ES Schelegle, E Raz and CG Plopper. Airways remodeling in young adult rhesus monkeys is inhibited by immunostimulatory DNA sequences (ISS). Keystone Symposia Abstract Book: Regulation of Mucosal Inflammation/Hygiene, Allergy and Asthma A108, 2003.

63. Plopper, CG, MV Fanucchi, MJ Evans, EM Pieczarka, SD Larson, ES Schelegle, JP Joad, KE Pinkerton, LS Van Winkle, LJ Gershwin, LA Miller, R Wu, GL Baker, AR Buckpitt, E Raz and DM Hyde. Experimental models of developmental abnormalities and asthma susceptibility from air pollutants. Keystone Symposia Abstract Book: Regulation of Mucosal Inflammation/Hygiene, Allergy and Asthma A015, 2003.

64. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, AD Murphy, S Nishio, ES Schelegle, LJ Gershwin, LA Miller, DM Hyde and CG Plopper. Depletion of perlecan in the developing tracheal basement membrane zone of rhesus monkeys exposed to ozone and allergen. Keystone Symposia Abstract Book: Regulation of Mucosal Inflammation/Hygiene, Allergy and Asthma A304, 2003.

65. Fanucchi, MV, MJ Evans, GL Baker, DM Hyde and CG Plopper. Quantitation of airway mucous goblet cells: effect of co-exposure to ozone and allergen on site-specific distribution in infant and adult non-human primates. FASEB Journal, 17: 875.4, 2003.

66. Baker, G, M Evans, MV Fanucchi, DM Hyde and CG Plopper. Quantitation of airway mast cells: distribution and phenotypes in infant nonhuman primates with allergic airways disease. FASEB Journal, 17: 875.5, 2003.

67. Fanucchi, MV, CC Clay, CS Kim, KC Day, MJ Evans, GL Baker and CG Plopper. Cellular proliferation and fibroblast growth factor expression in pulmonary epithelium in neonatal rats following 1-nitronapththalene treatment. American Journal of Respiratory and Critical Care Medicine, 167(7): A259, 2003.

68. Day, KC, CC Clay, GL Baker, CG Plopper and MV Fanucchi. 1-Nitronaphthalene induction of pulmonary cytochrome P450 monooxygenases in neonatal rats. American Journal of Respiratory and Critical Care Medicine, 167(7): A259, 2003.

69. Plopper, CG, AJ Weir, VJ Wong, GL Baker, MV Fanucchi, MJ Evans, LS Van Winkle, SJ Nishio, ES Schelegle, LA Miller, LJ Gershwin and DM Hyde. Stunting of conducting airways induced in infant rhesus monkeys by ozone and/or allergen fails to recover following cessation of exposure. American Journal of Respiratory and Critical Care Medicine, 167(7): A158, 2003.

70. Baker, GL, M Schultz, MV Fanucchi, AR Buckpitt and CG Plopper. Determination of site specific airway gene expression utilizing a novel technique of in situ RNA preservation. American Journal of Respiratory and Critical Care Medicine, 167(7): A336, 2003.

71. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, AD Murphy, SJ Nishio, ES Schelegle, LJ Gershwin, LA Miller, DM Hyde and CG Plopper. Depletion of perlecan and fibroblast growth factor-2 during development of the tracheal basement membrane zone in rhesus monkeys exposed to ozone and allergen. American Journal of Respiratory and Critical Care Medicine, 167(7): A342, 2003.

72. Pieczarka, EM, ES Schelegle, MV Fanucchi and CG Plopper. Ozone and allergen-induced alterations of pulmonary epithelial nerve distribution in infant rhesus monkeys fail to recover following cessation of exposure. American Journal of Respiratory and Critical Care Medicine, 167(7): A454, 2003.

73. Fanucchi, MV, MJ Evans, GL Baker, LA Miller, DM Hyde, ES Schelegle, E Raz and CG Plopper. Immunostimulatory DNA sequence (ISS) inhibition of airways remodeling in young adult rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 167(7): A765, 2003.

74. Miller, LA, JE Gerriets, ES Schelegle, RJ McDonald, LJ Gershwin, DM Hyde, MV Fanucchi, MJ Evans, GL Baker, RL Coffman, E Raz, CG Plopper and EM Hessel. Effect of immunostimulatory DNA sequences of dendritic cells and cytokines within allergic airways. American Journal of Respiratory and Critical Care Medicine, 167(7): A765, 2003.

75. Schelegle, ES, LA Miller, MV Fanucchi, MJ Evans, G Baker, RJ McDonald, LJ Gershwin, DM Hyde, E.M. Hessel, RL Coffman, E Raz and CG Plopper. Immunostimulatory DNA sequences can attenuate the allergic asthma phenotype in house dust mite-sensitized and challenged rhesus monkey. American Journal of Respiratory and Critical Care Medicine, 167(7): A955, 2003.

76. Pieczarka, EM, MV Fanucchi, ES Schelegle and CG Plopper. Ozone alters the differentiation of PGP9.5 positive ciliated epithelial cells in the airways of infant rhesus monkeys. American Journal of Respiratory and Critical Care Medicine, 167(7): A972, 2003.

77. Miller, LA, DM Hyde, LJ Gershwin, ES Schelegle, MV Fanucchi, MJ Evans, JE Gerriets, LF Putney, MY Stovall, NK Tyler, JL Usachenko and CG Plopper. The effect of house dust mite aeroallergen and air pollutant exposures during infancy. Chest, 123: 434S, 2003.

78. Carey, SA, JG Wagner, MV Fanucchi, EM Postlethwait, CG Plopper, JR HarkemaRhinitis and nasal epithelial remodeling induced by episodic ozone exposure in infant monkeys. *Proceedings of the American Thoracic Society* 2:A171, 2005.

79. Fanucchi, MV, LS Van Winkle, R. Bissonette, MJ Evans, ES Schelegle, LA Miller, DM Hyde, CG Plopper Effects of inhaled budesonide on mucous cell differentiation in airways on infant rhesus monkeys. *Proceedings of the American Thoracic Society* 2:A216, 2005.

80. Mariassy, AT, MV Fanucchi, LS Van Winkle, MJ Evans, LM Forquer, CG Plopper Airway cell carbohydrate alterations in house dust mite sensitized rhesus monkeys. *Proceedings of the American Thoracic Society* 2:A218, 2005.

81. Van Winkle, LS, M Evans, J Shimizu, J Houghton, C Brown, E Schelegle, L Gershwin, L Miller, G Baker, M Fanucchi, D Hyde, C Plopper Corticosteroid therapy increases proliferating cell nuclear antigen expression (PCNA) in the lungs of infant rhesus monkeys exposed to ozone and allergen. *Proceedings of the American Thoracic Society* 2:A326, 2005.

82. Plopper, C, S Nishio, M Fanucchi, S Darrow, L Sullivan, A Weir, L Van Winkle, R Corley, K Minard, H Trease, L Trease, D Hyde Defining the dynamics of cellular differentiation in architectural context as tracheobronchial airways grow and develop. *Proceedings of the American Thoracic Society* 2:A462, 2005.

83. Coppens, JT, LS Van Winkle, MJ Evans, MV Fanucchi, ES Schelegle LJ Gershwin, JP Joad, KE Pinkerton, R Kajekar, DM Hyde, AR Buckpitt, CG Plopper Clara cell secretory protein immunoreactive expression in the developing airway epithelium of rhesus monkeys. *Proceedings of the American Thoracic Society* 2:A468, 2005.

84. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, SD Darrow, SJ Nishio, ES Schelegle, LJ Gershwin, LA Miller, DM Hyde Budesonide treatment during infancy prevents atypical development of the basement membrane zone in a rhesus monkey model of childhood asthma. *Proceedings of the American Thoracic Society* 2:A515, 2005.

85. Plopper, C, A Weir, S Nishio, S Darrow, M Fanucchi, M Evans, L Van Winkle, E Schelegle, L Miller, L Gershwin, D Hyde Inhaled corticosteroid therapy partially reverses architectural changes in airways of infant rhesus monkeys exposed to ozone and allergen. *Proceedings of the American Thoracic Society* 2:A692, 2005.

86. Evans, MJ, MV Fanucchi, LS Van Winkle, GL Baker, SJ Nishio, ES Schelegle, LJ Gershwin, LA Miller, DM Hyde, CG Plopper Effects of ozone and allergen on development of the basement membrane zone of infant rhesus monkeys. *Proceedings of the American Thoracic Society* 2:A780, 2005.

87. Plopper, A Weir, E Fuller, M Fanucchi, S Larson, L Gershwin, R Kajekar, E Schelegle, J Joad, D Hyde Inhaled budesonide treatment fails to reverse aberrant development of intraepithelial airway nerves in infant rhesus monkeys exposed to ozone and allergen. *Proceedings of the American Thoracic Society* 2:A828, 2005.

88. Pantle, L., Fanucchi, M. and Plopper, C. Role of neutrophils in 1-nitronaphthalene-induced pulmonary injury. *The Toxicologist* 84(S-1), 2005.

89. Day, K.C., Reynolds, J.D., Morin, D.R., Plopper, C.G. and Fanucchi, M.V. Role of pulmonary cytochrome P450 3A1 in 1-nitronaphthalene bioactivation and injury in adult and postnatal rats. *The Toxicologist* 84(S-1), 2005.

90. Fanucchi, M.V. Effects of air pollutants on postnatal lung development. *The Toxicologist* 84(S-1), 2005.

91.Evans, MJ, MV Fanucchi, SD Darrow, LM Forquer, SJ Nishio, CG Plopper. **The External Lamina of Smooth Muscle Cells during Remodeling of Proximal Airways in Infant Rhesus Monkeys Exposed to House Dust Mite Allergen (HDMA).** *Proceedings of the American Thoracic Society 3*: A264, 2006.

92. Chou, DL, JE Gerriets, CG Plopper, EM Postlethwait, R Wu, MV Fanucchi, MJ Evans, DM Hyde, LA Miller. **Ozone Exposure during Postnatal Development Promotes CCL11 and CCL26 Expression in Airway Epithelium by Local Induction of IL-17.** *Proceedings of the American Thoracic Society 3*: A553, 2006.

93. Plopper; CG, MV Fanucchi**.**  Impacts of Environmental Chemicals on the Developing Lung. *The Toxicologist* 90(1):A724, 2006.

94. Day; KC, LM Davison; BN DeLong; CG Plopper; MV Fanucchi.Role of Pulmonary CYP3A1 in 1-Nitronaphthalene Induced Acute Lung Injury in Postnatal and Adult Rats. *The Toxicologist* 90(1):A678, 2006.

95. Sullivan; L, MV Fanucchi; CG Plopper. Beneficial role of neutrophils in repair from 1-nitronaphthalene induced lung injury. *The Toxicologist* 90(1):A1027, 2006.

96.Fanucchi, MV; L. Davison; B. DeLong; CG Plopper; IM Kennedy; AR Buckpitt. Site-Specific Definition of Acute Airway Epithelial Injury Following a Single Exposure to 1-Nitronapthalene-Coated Carbon Black Particles. *The Toxicologist* 90(1):A1026, 2006.

97. Evans MJ, Fanucchi MV, Darrow SD, Nishio SJ, Plopper CG, Postlethwait EM. Distribution of Fibroblast Growth Factor-2 (FGF-2) in the Proximal Airways of Infant Rhesus Monkeys Following an Acute Exposure to Ozone (O3). *Am J Resp Crit Care Med*, 175:A167, 2007.

98. Kumfer, B; L Davison, E Wallis, M Fanucchi, I Kennedy. Acute Injury to Rat Airway Epithelium by Exposure to Flame-Generated Soot Particles Doped with 1-Nitronaphthalene. *AAAR Annual Conference Abstracts* 4B.5, 2007.

98. Fanucchi, MV, BM Kumfer, ED Wallis, IM Kennedy**.** Acute Airway Epithelial Injury from Three Different Carbon Particles with and without Adsorbed 1-Nitronapthalene. *Am J Resp Crit Care Med*, 177:A425, 2008.

99. Evans, MJ; MV Fanucchi, MA Carlson, SJ Nishio, CG Plopper, EM Postlethwait. **Fibroblast Growth Factor-2 (FGF-2) in the Developing Airways of Infant Rhesus Monkeys during Chronic Exposure to Ozone (O3).** *Am J Resp Crit Care Med*, 177:A449, 2008.

100. Lee, D; MV Fanucchi, CG Plopper, AS Wexler. **Morphology of the Rat Bronchial Tree and Its Intra/Inter-Subject Variability.** *Am J Resp Crit Care Med*, 177:A544, 2008.

101. Hyde, DM, L Miller ES Schelegle, MV Fanucchi, LS Van Winkle, NK Tyler, MV Avdalovic, MJ Evans, AR Buckpitt, KE Pinkerton, JP Joad, LJ Gershwin, R Wu, and CG Plopper. I**nhaled Corticosteroids Alter Pulmonary Function and Lung Growth in Monkeys Exposed to House Dust Mite Allergen and O3.** Proceedings of the American Thoracic Society, Vol 6:324, 2009.

102. MV Fanucchi, CA Ballinger, DA Dickinson, EM Postlethwait. Cyclic Postnatal Ozone Exposure Alters Airway Epithelial Development in Wild-type and Cystic Fibrosis Transmembrane Receptor (CFTR) Knockout Mice. *Am J Resp Crit Care Med,* 181:A6267, 2010.

103. MV Fanucchi, MJ Evans, LA Miller, SM Claflin, EM Postlethwait. Postnatal Exposure to Ozone Inhibits Epithelial Secretory Responses to Inhaled Bacterial Endotoxin in Rhesus Primates. *Am J Resp Crit Care Med,* 181:A1857, 2010.

104. M Evans, LA Miller, MV Fanucchi, M Carlson, S Nishio, DM Hyde. Fibroblast Growth Factor-2 Upregulates TGF-beta 1&2 in Airway Basal Cells *in situ*. *Am J Resp Crit Care Med,* 181:A1062, 2010.

105. LA Miller, MV Fanucchi, M Evans, EM Postlethwait. Early Life Exposure to Ozone Attenuates the Innate Immune Response to Inhaled Endotoxin. *Am J Resp Crit Care Med,* 181:A3275, 2010.

106. AK Yadav, S.Doran, R Sharma, GL Squadrito, MV Fanucchi, E Postlethwait, S Matalon. Antioxidants attenuate Acute Lung injury post Chlorine gas exposure in rats. *Am J Resp Crit Care Med,* 181:A6783, 2010.

107. AK Yadav, AA Samal, N Anjum, K Vedagiri, J Honavar, AP Brandon, J Balanay, GL Squadrito, MV Fanucchi, E Postlethwait, S Matalon, RP Patel. Sodium Nitrite Therapy Mitigates Lung Injury After Chlorine Gas Exposure in Rats. *Am J Resp Crit Care Med,* 181:A4651, 2010.

108. KL Tuggle, S Asmellash, DA Dickinson, JA Mobley, MV Fanucchi. Early Life Exposure to Ozone Alters Airway Epithelial Responses in Wild-type and Cystic Fibrosis Transmembrane Receptor (CFTR) Knockout Mice. 24th Annual North American Cystic Fibrosis Conference (NACFC), Baltimore, MD, October 21-23, 2010.

109. AA Samal, J Honvar, J Balanay, GL Squadrito, MV Fanucchi, E Postlethwait, S. Matalon, RP Patel. Post-Cl2 Exposure Therapeutics Using Nitrite: Different Effects of IM vs. IP Administration. Society for Free Radical Biology and Medicine’s 17th Annual Meeting, Orlando, FL, November 17-21, 2010.

110. KL Tuggle, S Shlykova, S Asmellash, JA Mobley, MV Fanucchi. Ozone exposure induces pulmonary development alterations in wild-type and CFTR-/- mice. UAB School of Public Health Third Annual Public Health Research Day, UAB Campus Recreation Center, Birmingham, AL, April 5, 2011.

111. W Theis, K Tuggle, S Bailey, M Fanucchi. Effect of chronic ozone exposure on liver inflammation and CYP450 enzymes in cystic fibrosis null mice. UAB School of Public Health Third Annual Public Health Research Day, UAB Campus Recreation Center, Birmingham, AL, April 5, 2011.

112. KL Tuggle, JL Fettermen, DG Westbrook, SW Ballinger, EM Postlethwait, MV Fanucchi. The Temporal Patterns of Ozone-Induced Site-Specific Airway Injury and Mitochondrial Damage are Age-Dependent. Am. J. Respir. Crit. Care Med. *2012; 185: A5300.*

113. KL Tuggle, K Gambler, X Cui, D Ji, A Chambers, DM Bedwell, SM Rowe, EJ Sorscher, MV Fanucchi. Generation of a CFTR-knockout rat model for cystic fibrosis. 26th Annual North American Cystic Fibrosis Conference (NACFC), Orlando, FL October 11-13, 2012