

CURRICULUM VITAE

Yohannes Tesfaigzi, PhD

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EDUCATION

B.S. (Agriculture) 1979, University of Hohenheim, Stuttgart, Germany
M.S. (Biology) 1985, University of Hohenheim, Stuttgart, Germany
Ph.D. (Microbiology) 1988, University of Hohenheim, Stuttgart, Germany

EMPLOYMENT

- 2007 - Present Director of COPD Program, Lovelace Respiratory Research Institute, Albuquerque, NM
Coordinate the use of samples and data from the Lovelace Smokers Cohort by many investigators interested in COPD. Coordinate exposure of mice and other animals to cigarette smoke and other exacerbating agents including environmental pollutants and viruses. Coordinate the use of animal models to test investigational drugs for COPD by investigators and pharmaceutical companies. Coordinate studies focused on the link between COPD and lung cancer. Coordinate a multidisciplinary approach by pulmonologists, nurses, cell/molecular biologists, and genetic epidemiologists/statisticians to investigate the interactions of genetic susceptibility, ethnicity, and environmental pollution to affect the development of COPD.
- 2005 - Present Adjunct Professor, Department of Biochemistry and Molecular Biology, University of New Mexico School of Medicine, Albuquerque, NM
Supervise and educate graduate students from the Biomedical Graduate Program. Present at the departmental seminar series.
- 2005 - Present Senior Scientist, Respiratory Immunology and Asthma Program, Lovelace Respiratory Research Institute, Albuquerque, NM
Research on homeostasis of airway epithelial cells following injury to cigarette smoke, environmental toxins, bacteria, or allergen supported by 2 RO1 grants. These studies focus on the mechanisms underlying the disruption of resolution of airway epithelial hyperplasias in chronic bronchitis and asthma. Investigate the associations of DNA polymorphisms in the Lovelace Smokers Cohort. Serve as a standing member for the NIH study section – Lung Cell and Molecular Immunology (LCMI). Editorial Board member for “Review of Resp. Dis.” and “American J. Resp. Cell Mol. Biol.”
Supervise 3 technicians, 1 graduate student, 2 post docs, 4 Associate Research Scientists. Officer of Research Administration to approve all human research being in line with LRRRI’s goals. Serve as Senior Investigative Scientist for Reporting and Investigating Scientific Misconduct at LRRRI. Internal Review Team for Evaluating the Protocol Review of Central IRBs. Collaborate with a number of scientists at LRRRI, UNM, and other Institutions.

- 2002 - 2007 Core Director, Environmental Lung Disease, National Institute of Environmental Health Sciences Center, LRRI & UNM, Albuquerque, NM Foster interactions among Research Core members and with investigators from other Cores of the Center. Inform members of Center Core Facilities with capabilities to carry out animal exposures, chemical analyses, proteomic and genomic research, and biostatistical analyses.
- 1999 - 2005 Scientist, Lovelace Respiratory Research Institute, Albuquerque, NM Research on homeostasis of airway epithelial cells following injury to cigarette smoke, environmental toxins, bacteria, or allergen supported by 2 RO1 grants. Investigate the associations of DNA polymorphisms with COPD in cohorts of men smokers from the Veterans Hospital and the women smokers from LSR using high-throughput analysis systems. Participate in Special Emphasis Panels for Grant Reviews, Ad hoc review for NIH study sections, Grant Reviews for the Veterans' Administration. Review paper for various journals. Editorial Board member for "Review of Respiratory Diseases." Supervise 5 technicians, 1 graduate student, 1 postdoc, and 1 Associate Scientist. Office of Research Administration to approve all human research being in line with LRRI's goals. Serve as Senior Investigative Scientist for Reporting and Investigating Scientific Misconduct at LRRI. Internal Review Team for Evaluating the Protocol Review of Central IRBs. Collaborate with a number of scientists at LRRI, UNM, and other Institutions.
- 1998 - 2005 Adjunct Clinical Associate Professor, Department of Biochemistry and Molecular Biology, University of New Mexico School of Medicine, Albuquerque, NM Supervise a graduate student from the Biomedical Graduate Group.
- 1997 - Present Clinical Associate Professor, College of Pharmacy, University of New Mexico School of Medicine, Albuquerque, NM Supervise a graduate student and present at the Toxicological Seminar Series.
- 1996 - 1998 Associate Scientist, Lovelace Respiratory Research Institute, Albuquerque, NM Investigate the role of Bcl-2 family of proteins in the resolution of LPS-induced mucous cell metaplasia. RO1 from NIH to support research. Grant Reviews for the Veterans' Administration. Collaborate with a number of Scientists both at LRRI, UNM, and other Institutions. Supervise a technician and a graduate student and a postdoc. Supervised 3 technicians and 1 graduate student. Member, Lovelace Institutional Review Board.
- 1994 - 1996 Clinical Assistant Professor, College of Pharmacy, University of New Mexico Teach toxicological genetics to graduate students (M.S. and Ph.D.) within the College of Pharmacy. Present at the Toxicological Seminar Series.
- 1994 - 1996 Associate Scientist, Inhalation Toxicology Research Institute, Albuquerque, NM Investigate the role of SPRR1 and the mechanisms of resolution of LPS-induced proliferation of type II cells and airway epithelial cells. Grant from DOE to support research. Collaborate with a number of Scientists both at LRRI, UNM, and other Institutions. Supervise a technician and a graduate student.

- 1992-1993 Assistant Research Biochemist, Section of Molecular and Cellular Biology, UC Davis
Investigate the role of SPRR1 in squamous and cancer-related differentiation of airway epithelial cells. Write grant applications to NIH and Center for Indoor Air Research, Tobacco-Related Diseases Research of California. Supervised a technician and undergraduate students for preparing a research thesis. Teach biochemistry lab courses to pre-medical students. NIH Training Grant from NHLBI.
- 1988 - 1992 Postdoctoral Fellow, Department of Biochemistry and Biophysics, UC Davis
Conduct research in airway epithelial differentiation into mucous and squamous cells in response to retinoids. Supervise a technician and undergraduate students for preparing a research thesis. Teach biochemistry lab courses to pre-medical students.

HONORS AND AWARDS

Scholarship from "Deutscher Akademischer Austauschdienst," 1978-1988
Ph.D. with "magna cum laude," 1988
Postdoctoral Postdoc, Department of Biochemistry and Biophysics, UC Davis, 1988-1992
NIH Training Grant, University of California, Davis, 1992-1993
AACR Minority Scholar Award in Cancer Research, 1999

COMMITTEE ASSIGNMENTS

Postdoctoral Postdoc, Department of Biochemistry and Biophysics, UC Davis, 1988-1992
Institutional Animal Care & Use Committee (IACUC) of Inhal. Tox. Res. Inst., 1994-1996
Chairman, Consignment Program Committee, Boehringer Mannheim and Fisher Sci., 1995-1996
Member, Lovelace Institutional Review Board, 1998-2003
LRRI, Office of Research Administration for all research involving human samples, 1999-Present
Specialized Center of Research, UNMSOM, Internal Advisory Committee, 2000-Present
NIEHS Center at UNM and LRRI, Internal Advisory Committee, 2002-Present
Senior Investigative Scientist for Reporting and Investigating Scientific Misconduct at LRRI, 2002-Present
Review of selected protocols for human studies for patient safety after the protocols were approved by the Central Institutional Review Boards, 2003-Present
Search Committee for a Faculty in Biostatistics, Dept. of Internal Medicine, UNMSOM, 2003
Search Committee for NCI SEER Program Director, UNM School of Med., 2003
Internal Review Team for Evaluating the Protocol Review of Central IRBs, 2003
Planning Committee, LRRI Symposium, "New Therapies and Diagnostic Techniques for Respiratory Disease," 2003
Search Committee for a Faculty in Epidemiol. and Genetics, Dept. of Internal Medicine, 2004
Search Committee for a Faculty in Biostatistics for Clinical Trials Cancer Research and Treatment, Center, UNMSOM, 2004
Planning Committee, LRRI Symposium, "Mechanisms of Respiratory Diseases in the Elderly," 2004
Advisory Committee, Biotechnology Program of Central New Mexico Community College (CNM) School of Health, Wellness & Safety, 2008-Present
External Advisory Committee, University of New Mexico Mass Spectrometry Facility, 2007-Present

GRANT REVIEWER/SERVICE ON NIH AND OTHER STUDY SECTIONS

Department of Veterans Administration, Ad Hoc Reviewer, 1997, 1999, 2001
NIEHS Special Emphasis Panel, Centers for Children's Envir. Health Disease Prev. Res., 2001, 2003
LRRRI Internal Pilot Project Review Study Section, 2002
UNM Cancer Research and Treatment Ctr., Grant Competition for Postdocs and Faculty, 2002
NIH National Research Service Award (NRSA) Fellowships, Pathophysiology, 2003
NIEHS Center Pilot Project Review Study Section, 2003
NHLBI working group on "Future Research Directions in Asthma," 2003
NIEHS Program Project (PO1) Site Visit, 2003
NIAID Program Project Grants for Asthma and Allergic Diseases Research Centers Study Section, 2003
CDC, Disease, Disability, and Injury Prevention and Control Technical Evaluation Panel: Surveillance for the Incident Cases of Asthma, 2004
NHLBI, Lung Cell Molecular and Immunology (LCMI) Study Section (ad hoc), 2004
NHLBI Asthma Exacerbations: Biology and Disease Progression, RFA-04-29, 2004
NHLBI Special Review Committee, PPG Ether Lipids, Eicosanoids, 2005
Eur. Respir. Society Fellowship Program, Short Term Research Fellowships, 2005
NIEHS Center Site Visit, University of Pennsylvania, Center of Excellence in Environmental Toxicology, 2005
NHLBI, Specialized Clinical Centers of Clinical Research (SCCOR) in Host Factors in Chronic Lung Diseases (RFA HL-05-009), 2006
NHLBI, Specialized Clinical Centers of Clinical Research (SCCOR) in Chronic Obstructive Pulmonary Disease (COPD) (RFA HL-05-008), 2006
NHLBI, ZHL1 CSR-J, Training Programs (T32s and T35s), 2006
NHLBI, Special Review Committee, PPG Image-Based Approach Linking Structure and Function in COPD, 2007
NIH, Center for Scientific Review Special Emphasis Panel, LCMI Member Conflict Applications, 2007
NIAID, Asthma and Allergic Diseases Cooperative Research Center applications (RFA AI-07-002), 2007
FAMRI, Flight Attendant Medical Research Institute, 2007
NHLBI, Small Research Grants (RO3 applications), 2008
NHLBI, Special Review Committee, PPG Image-Based Approach Linking Structure and Function in COPD, 2008
NHLBI, Small Research Grants (RO3 applications) for Lung Tissue Research, 2008, 2009
Member of the Lung Cell and Molecular Immunology Study Section, 2008-2012
Netherlands Asthma Foundation, The Netherlands, 2010

EDITORIAL APPOINTMENTS

Assistant Editor – Inhalation Toxicology Research Institute Annual Report, 1996
Evaluator for Investigational Drugs Journal (Current Drugs Ltd., Middlesex House, London, UK, 1998-2001
Editorial Board Member for "Current Respiratory Medicine Reviews," 2004-Present
Editorial Advisory Board of Recent Patents in Inflammation and Allergy, 2006-Present
Editorial Board, American Journal of Respiratory Cell and Molecular Biology, 2009-Present

MANUSCRIPT REVIEWS

The Journal of Biological Chemistry, Biochemistry and Cell Biology, Oncogene, The Journal of Pathology, Toxicology and Applied Pharmacology, Experimental Lung Research, BioTechniques, Journal of Immunological Methods, Molecular and Cellular Biology, American

Journal of Respiratory Cell and Molecular Biology, Journal of Immunology, Current Respiratory Medicine Reviews, International Archives of Allergy and Immunology

INVITED RESEARCH LECTURES AND SYMPOSIA

College of Pharmacy, Toxicology Seminar, UNMSOM, Aug. 1998
London Health Sciences Center, London, Ontario, Mar. 2001
Cancer Center, Thunderbay, Ontario, Canada, Homeostasis in Airway Epithelia, Apr. 2001
University of California, Section of Cellular and Molecular Biology, July 2001
LRRS Symposium, Santa Fe, NM, Oct. 2001
College of Pharmacy, Toxicology Seminary, UNMSOM, Jan. 2002
Novartis Foundation Meeting on Regulation of Mucus, London, UK, Feb. 2002
Bayer Corp., San Francisco, CA, July 2002
International Meeting of the Interest Group for Cilia, Mucus, and Mucociliary Interactions and the PCD Foundation Miami, FL, Nov. 2002
Aventis, Inc., Bridgewater, NJ, Dec. 2002
Department of Pathology, Michigan State University, Mar. 2003
American Thoracic Society, May 2003
University of Miami School of Medicine, Respiratory Group, July 2003
University of New Mexico, IGERT seminar, for graduate students from chemistry, chemical engineering, electrical engineering, biology and physics, Oct. 2003
Keystone Symposia on Apoptosis in Development, Keystone, CO, Feb. 2004
Pulmonary Program Project Grant P. Investigators, Washington University, St. Louis, MO, Apr. 2004
WHO Meeting on Prevention and Control of Chronic Resp. Diseases at Country Level, Geneva, Switzerland, June 2004
MD Anderson Cancer Research Center, Pulmonary Medicine, Houston, TX, Aug. 2004
Chair of the COPD Session and Presenter at the LRRS Symposium entitled "Mechanisms of Respiratory Disease in the Elderly," Sept. 2004
Review of the Lung Cancer Program at LRRS, Albuquerque, NM, Mar. 2005
Inspire Pharmaceuticals, Inc., Durham, NC, Mar. 2005
Cambridge Healthtech Institute's 3rd Annual Laser Capture Microscopy, Cutting Edge Applications, Boston, MA, May 2005
Co-Chair of Mini-Symposium "Extreme Cell Makeover: Airway Epithelial Edition" at the ATS International Conference, San Diego, CA, May 2005
Sanofi/Aventis, Inc., Bridgewater, NJ, June 2005
Department of Pathology, University of Calgary, Calgary, Canada, Mar. 2006
Department of Biochemistry, University of New Mexico, Albuquerque, Apr. 2006
American Thoracic Society, San Diego, CA, May 2006
Gordon Research Conference - Cilia, Mucus and Mucociliary Interactions, Ventura Beach, CA, Feb. 2007
UNM, Masters of Science in Clinical Research Program, Albuquerque, NM, Sept. 2007
Co-Chair of Poster Discussion Session "Lung Cancer Inflammation and Immunotherapy" at the ATS International Conference, Toronto, Canada, May 2008
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, Nov. 2008
UNM, Department of Biochemistry and Molecular Biology, Albuquerque, NM, Nov. 2008
Hamner Institutes for Health Sciences, Research Triangle Park, NC, Dec. 2008
Gordon Research Conference on "Cilia, Mucus, Mucociliary Clearance," Barga, Italy, Feb. 2009
University of Tennessee at Memphis, Memphis, TN, May 2009
European Association for Veterinary Pharmacology and Toxicology, Leipzig, Germany, July 2009
Dr. Marcus Mall, Chief of Pediatric Respiratory, University of Heidelberg, Germany, July 2009
University of California at Davis, CA, Nov. 2009

TEACHING EXPERIENCE

Microbiology Laboratory (beginners and advanced), Department of Microbiology, University of Hohenheim, Germany, 1986-1988
Seminar series BCP 270, Section of Molec. and Cell. Biol., UC Davis, 1992
Biochemistry laboratory course 111 L, Section of Molecular and Cellular Biology, UC Davis, 1992
Genetic Toxicology, College of Pharmacy, UNMSOM, Albuquerque, NM, 1994-1999
Biomedical graduate students; Frontiers in Biomedical Sciences, UNMSOM, 1998-2002
Graduate Student Qualifying and Thesis Committees (Four), 1999-2002
External Examiner for a Ph.D. Thesis, Michigan State University, East Lansing, MI, 2003
Graduate committee for Leah C. Pulling, 2004
Graduate committee for Natasha Singh, 2004-Present
Graduate committee for Leah Damiani, 2005-2008
Graduate committee for AmeliaUnione, 2005-Present
Mentor for Andrew Sokolow, New College, Florida, 2007
Undergraduate training, Zachary Weiss, UNM, 2007-2008
CNM internship students-Shelley Russell, John Wilmsen, Kristen Romero, Ifeoma Romaine, 2007-2009
Undergraduate training, Elizabeth Bennett, UNM, 2008-Present

COMMUNITY SERVICE

Career Day at Rio Grande High School, 1998
Teaching About Asthma by Videoconferencing, New York Public Schools, 2002
Science Education Partnership with Albuquerque Public Schools, 2002-2003
Science Education for Manzano Day Elementary School, 2006
Science Education for Manzano Day Elementary School, 2007

STUDENTS AND POSTDOCS SUPERVISED

Hosted eight biochemistry undergraduate students in the 199 research program, Section of Molecular and Cellular Biology, University of California, Davis, CA, 1989-2002
Hosted two biochemistry graduate students for research rotations, Section of Molecular and Cellular Biology, University of California, Davis, CA, 1992-1993
Hosted two students within the Summer Undergraduate Research Program for Minorities, Section of Molecular and Cellular Biology, University of California, Davis, CA, 1992-1993
Hosted two science teachers, one high-school, and one undergraduate student during the summer internship program, LRRI, Albuquerque, NM, 1994-1998
Hosted three biomedical graduate students (Jennifer Foster, Jennifer Terry, Salina Torres) through rotation, Albuquerque, NM, 1998, 1999, 2003
Hosted two undergraduate students majoring in Biology and Biochemistry, 1999, 2002
Dr. Zao Qaun Shi, Postdoc, Now, Research at Shanghai Medical University, P. R. China, 2000-2002
Mentored Dr. Shan Ze Wang, Postdoc then Assistant Research Scientist at LRRI, 2001-2007
Jennifer Foster Harris, Graduate student in biomedical sciences at University of New Mexico, School of Medicine, Albuquerque, NM, 2002-2004
Dr. Steven M. Gomez, Postdoc, 2003-2004
Dr. Barbara Stout, Postdoc, 2003-2006
Dr. Massoud Daheshia, 2004-2005
Dr. Jennifer Foster Harris, Postdoc, 2005-2006
Dr. Karla F. Melendez, Postdoc, 2005-2007
Mark Fischer, M.D. student, University of New Mexico, Fellowship, 2005-Present

Amelia Unione, Graduate student in the Biomedical Sciences at University of New Mexico School of Medicine, Albuquerque, NM, 2005-Present
Natasha Singh, Graduate student in the Biomedical Sciences at University of New Mexico School of Medicine, Albuquerque, NM, 2005-2008
Zach Weiss, Undergraduate Biology student, University of New Mexico, 2006-2008
Dr. Yohannes Mebratu, Postdoc then Associate Research Scientist at LRRI, 2006-Present
Qiao Wang, High School student, 2006
Andrew Sokolow, Undergraduate student, New College, FA, 2007
Shelley Russell, CNM undergraduate student, 2007-2008
Dr. Norvin Fernandes, Associate Research Scientist, 2007-Present
Kristen Romero, CNM undergraduate student, 2008
John Wilmsen, CNM undergraduate student, 2008
Elizabeth Bennett, Undergraduate Biochem. student, University of New Mexico, 2008-Present
Dr. Natasha Singh, Postdoc, 2008-2009
Dr. Ivan Leyva-Baca, Postdoc, 2008-Present
Dr. Kevin Smith, Associate Research Scientist, 2008-Present
Ifeoma Romaine, CNM undergraduate student, 2008
Dr. Xuesong Huang, Postdoc, 2009-Present

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Society for the Advancement of Science (A.A.A.S, U.S.A.), 1992-1998
American Association for Cancer Research (A.A.C.R., U.S.A.), 1994-Present
American Society of Biochemistry and Molecular Biology, 1998-Present
American Thoracic Society, 1998-Present
American Physiological Society, 2006-Present

PATENT

Patent Pending: Metalloproteinase Gene Polymorphisms in COPD. Inventors: Yohannes Tesfaigzi, Steven Belinsky
Patent Issued: U.S. Patent No. 6,121,299 Modulating Inflammation with Cytochrome P-450 Activators and Inhibitors. Inventors: Wieslaw Kozak, Matthew J. Kluger, Yohannes Tesfaigzi

PUBLICATIONS IN REFEREED JOURNALS

1. Tesfaigzi, J. and R. Sussmuth: Proportion of Phage-Insensitive and Phage-Sensitive Cells within Pure Strains of Lactic Streptococci, and the Influence of the Calcium. *J. Dairy Res.* 56: 151-154, 1989.
2. Tesfaigzi, J., R. Sussmuth and D. Schwarz: Development and Properties of the Phage-Insensitive Cells in Streptococcus Lactis 05M/13. *Milchwissenschaft* 44: 75-79, 1989.
3. Tesfaigzi, J., G. An, R. Wu and D. M. Carlson: Induction in the Expression of an Unusual Proline-Rich Protein by Pig Tracheal Surface Epithelial Cells Maintained in Primary Culture. *Biochem. Biophys. Res. Commun.* 172: 1304-1309, 1990.
4. Tesfaigzi, J. and R. Sussmuth: Plasmids as Possible Cause of the Pseudolysogenic State in Lactococcus Lactis Subsp. Lactis Strain 05M/13. *Milchwissenschaft* 45: 159-163, 1990.
5. An, G., T. H.-M. Huang, J. Tesfaigzi, J. Garcia-Heras, D. H. Ledbetter, D. M. Carlson and R. Wu: An Unusual Expression of a Squamous Cell Marker, Small Proline-Rich Protein Gene in Tracheobronchial Epithelium: Differential Regulation and Gene Mapping. *Am. J. Respir. Cell Mol. Biol.* 7: 104-111, 1992.
6. An, G., J. Tesfaigzi, D. M. Carlson and R. Wu: Expression of a Squamous Cell Marker, the SPR1 Gene, is Posttranscriptionally Down-Regulated by Retinol in Airway Epithelium. *J. Cell. Physiol.* 157: 562-568, 1993.

7. An, G., J. Tesfaigzi and R. Wu: Isolation and Characterization of the Human SPR1 Gene and its Regulation of Expression by Phorbol Ester and Cyclic AMP. *J. Biol. Chem.* 268: 10977-10982, 1993.
8. Tesfaigzi, J., P. S. Wright, V. Oreffo, G. An, R. Wu and D. M. Carlson: A Small Proline-Rich Protein Regulated by Vitamin A in Tracheal Epithelial Cells is Induced in Lung Tumors. *Am. J. Respir. Cell Mol. Biol.* 9: 434-440, 1993.
9. Tesfaigzi, J., W. Smith-Harrison and D. M. Carlson: A Simple Method for Reusing Western Blots on PVDF Membranes. *BioTechniques* 17: 268-269, 1994.
10. Tesfaigzi, J., G. An, R. Wu and D. M. Carlson: Two Nuclear Proteins in Tracheal Epithelial Cells are Recognized by Antibodies Specific to a Squamous Differentiation Marker. *J. Cell. Physiol.* 164(3): 571-578, 1995.
11. Tesfaigzi, J. and D. M. Carlson: Cell Cycle-Specific Expression of G₀SPR1 in Chinese Hamster Ovary Cells. *Exp. Cell Res.* 228: 277-282, 1996.
12. Tesfaigzi, J. and D. M. Carlson: Expression of the Spr1 Gene in Cultured Tracheal Epithelial Cells and its Regulation by Retinoids Before and After Confluence. *J. Cell. Physiol.* 166: 480-486, 1996.
13. Tesfaigzi, J. and R. J. Jaramillo: Simultaneous Preparation of RNA and Nuclei for Northern Blot and Flow Cytometric Analysis. *Biotechniques* 21: 800-804, 1996.
14. Tesfaigzi, J., N. F. Johnson and J. F. Lechner: Induction of EGF Receptor and erbB-2 During Endotoxin-Induced Alveolar Type II Cell Proliferation in the Rat Lung. *Int. J. Exp. Pathol.* 77: 143-154, 1996.
15. Tesfaigzi, J., J. Th'ng, J. A. Hotchkiss, J. R. Harkema and P. S. Wright: A Small Proline-Rich Protein, SPR1, is Upregulated Early During Tobacco Smoke-Induced Squamous Metaplasia in Rat Nasal Epithelia. *Am. J. Respir. Cell Mol. Biol.* 14: 478-486, 1996.
16. Belinsky, S. A., D. S. Swafford, S. K. Middleton, C. H. Kennedy and J. Tesfaigzi: Deletion and Differential Expression of p16^{INK4a} in Mouse Lung Tumors. *Carcinogenesis* 18: 115-120, 1997.
17. Lechner, J. F., J. Tesfaigzi and B. I. Gerwin: Oncogenes and Tumor Suppressor Genes in Mesothelioma—A Synopsis. *Environ. Health Perspect.* 105(Suppl. 5): 1061-1067, 1997.
18. Swafford, D. S., S. K. Middleton, W. A. Palmisano, K. J. Nikula, J. Tesfaigzi, S. B. Baylin and S. A. Belinsky: Frequent Aberrant Methylation of p16^{INK4a} in Primary Rat Lung Tumors. *Mol. Cell. Biol.* 17: 1366-1347, 1997.
19. Gourine, A. V., K. Rudolph, J. Tesfaigzi and M. J. Kluger: Role of Hypothalamic Interleukin-1 β in Fever Induced by Cecal Ligation and Puncture in Rats. *Am. J. Physiol.* 275: R754-R761, 1998.
20. Tesfaigzi, J., J. A. Hotchkiss and J. R. Harkema: Expression of the Bcl-2 Protein in Nasal Epithelia of F344/N Rats During Mucous Cell Metaplasia and Remodeling. *Am. J. Respir. Cell Mol. Biol.* 18: 794-799, 1998.
21. Tesfaigzi, J., M. B. Wood, N. F. Johnson and K. J. Nikula: Apoptosis is a Pathway Responsible for the Resolution of Endotoxin-Induced Type II Cell Hyperplasia in the Rat. *Int. J. Exp. Pathol.* 79: 303-311, 1998.
22. Gourine, A. V., L. R. Leon, K. Rudolph, J. Tesfaigzi and M. J. Kluger: Cytokine Cascade Induced by Endotoxin in TNF Double Receptor Knockout Mice: Evidence Supporting a Role for IL-10 in Mediating Antipyretic Action of TNF. *J. Therm. Biol.* 25: 21-27, 2000.
23. Kozak, W., M. J. Kluger, J. Tesfaigzi, A. Kozak, K. P. Mayfield, M. Wachulec and K. Dokladny: Molecular Mechanisms of Fever and Endogenous Antipyresis. *Ann. N. Y. Acad. Sci.* 917: 121-134, 2000.
24. Singh, S. P., R. Kalra, P. Puttfarcken, A. Kozak, J. Tesfaigzi and M. Sopori: Acute and Chronic Nicotine Exposures Modulate the Immune System Through Different Pathways. *Toxicol. Appl. Pharmacol.* 164: 65-72, 2000.

25. Sun, S.-Y., P. Yue, A. S. Chandraratna, Y. Tesfaigzi, W. K. Hong and R. Lotan: Dual Mechanisms of Action of the Retinoid CD437: Nuclear Retinoic Acid Receptor-Mediated Suppression of Squamous Differentiation and Receptor-Independent Induction of Apoptosis in UMSCC22B Human Head and Neck Squamous Cell Carcinoma Cells. *Mol. Pharmacol.* 58(3): 508-514, 2000.
26. Tesfaigzi, Y., M. J. Fischer, A. J. Martin and J.C. Seagrave: Bcl-2 in LPS- and Allergen-Induced Hyperplastic Mucous Cells in Airway Epithelia of Brown Norway Rats. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 279: L1210-L1217, 2000.
27. Gerde, P., B. A. Muggenburg, M. Lundborg, Y. Tesfaigzi and A. R. Dahl: Respiratory Epithelial Penetration and Clearance of Particle-Borne Benzo[a]pyrene. *Res. Rep. Health Eff. Inst.* 101: 5-25, 2001.
28. Gourine, A. V., K. Rudolph, A. S. Korsak, J. Kubatko, J. Tesfaigzi, W. Kozak and M. J. Kluger: Role of Capsaicin-Sensitive Afferents in Fever and Cytokine Responses During Systemic and Local Inflammation in Rats. *Neuroimmunomodulation* 9: 13-22, 2001.
29. Henderson, R. F., E. B. Barr, W. B. Blackwell, C. R. Clark, C. A. Conn, R. Kalra, T. H. March, M. L. Sopori, Y. Tesfaigzi, M. G. Ménache, D. C. Mash, K. Dokladny, W. Kozak, A. Kozak, M. Wachulec, K. Rudolph, M. J. Kluger, S. P. Singh, S. Razani-Boroujerdi and R. J. Langley: Response of F344 Rats to Inhalation of Subclinical Levels of Sarin: Exploring Potential Causes of Gulf War Illness. *Toxicol. Ind. Health* 17: 294-297, 2001.
30. Tesfaigzi, Y., K. Rudolph, M. J. Fischer and C. A. Conn: Bcl-2 Mediates Sex-Specific Differences in Recovery of Mice from LPS-Induced Signs of Sickness Independent of IL-6. *J. Appl. Physiol.* 91: 2182-2189, 2001.
31. Wang, S. Z., C. L. Rosenberger, T. M. Espindola, E. G. Barrett, Y. Tesfaigzi, D. E. Bice and K. S. Harrod: CCSP Modulates Airway Dysfunction and Host Responses in an Ova-Challenged Mouse Model. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 281: L1303-L1311, 2001.
32. Wilder, J. A., D. D. S. Collie, D. E. Bice, Y. Tesfaigzi, C. R. Lyons and M. F. Lipscomb: Ovalbumin Aerosols Induce Airway Hyperreactivity in Naïve DO11.10 T Cell Receptor Transgenic Mice Without Pulmonary Eosinophilia or OVA-Specific Antibody. *J. Leukoc. Biol.* 69: 538-547, 2001.
33. Gourine, A. V., V. N. Gourine, Y. Tesfaigzi, N. Caluwaerts, F. Van Leuven and M. J. Kluger: Role of α_2 -Macroglobulin in Fever and Cytokine Responses Induced by Lipopolysaccharide in Mice. *Am. J. Physiol. Regul. Integr. Comp. Physiol.* 283: R218-R226, 2002.
34. Henderson, R. F., E. B. Barr, W. B. Blackwell, C. R. Clark, C. A. Conn, R. Kalra, T. H. March, M. L. Sopori, Y. Tesfaigzi, M. G. Ménache and D. C. Mash: Response of Rats to Low Levels of Sarin. *Toxicol. Appl. Pharmacol.* 184(2): 67-76, 2002.
35. Shi, Z. Q., M. J. Fischer, G. T. DeSanctis, M. R. Schuyler and Y. Tesfaigzi: IFN γ , but not Fas, Mediates Reduction of Allergen-Induced Mucous Cell Metaplasia by Inducing Apoptosis. *J. Immunol.* 168: 4764-4771, 2002.
36. Tesfaigzi, Y., M. J. Fischer, M. Daheshia, F. H. Y. Green, G. T. De Sanctis and J. A. Wilder: Bax is Crucial For IFN- γ -Induced Resolution of Allergen-Induced Mucous Cell Metaplasia. *J. Immunol.* 169: 5919-5925, 2002.
37. Tesfaigzi, Y., S. P. Singh, J. E. Foster, J. Kubatko, E. B. Barr, P. M. Fine, J. D. McDonald, F. F. Hahn and J. L. Mauderly: Health Effects of Subchronic Exposure to Low Levels of Wood Smoke in Rats. *Toxicol. Sci.* 65(1): 115-125, 2002.
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