



Giovanni Piedimonte, MD, FAAP, FCCP

Executive Biosketch

Dr. Giovanni Piedimonte is currently the *Vice President for Research and Institutional Official of Tulane University*. In this role, he is responsible for overseeing all aspects of research across the university, working with creative scholars from different disciplines to translate their work into meaningful impact that elevates the university's ability to achieve its academic goals. He also holds Professor with Tenure's appointments in the Departments of Pediatrics, Biochemistry & Molecular Biology of *Tulane School of Medicine*. Previously, he held the Steven & Nancy Calabrese Endowed Chair for Excellence in Pediatric Care, Research and Education, and served in multiple leadership roles at the *Cleveland Clinic Foundation* in Cleveland, Ohio, including Institute Chair of the Pediatric Institute, Physician-in-Chief of the Children's Hospital, President of the Children's Hospital for Rehabilitation, Professor & Chair of Pediatrics at the *Lerner College of Medicine of Case Western Reserve University*, Chief of Global Pediatric Research Operations, and Founding Director of the Center for Pediatric Research. Before that, he served for more than six years as the first Wyeth Research Scholar, Professor and Chairman of the Department of Pediatrics at *West Virginia University School of Medicine*, and Physician-in-Chief of the *WVU Children's Hospital* in Morgantown, West Virginia.

Dr. Piedimonte received his degree in Medicine from the *University of Rome School of Medicine* in Italy, completed his residency training in Pediatrics at the *University of California San Francisco*, and received fellowship training at the *Cardiovascular Research Institute of the University of California San Francisco* and at the *University of North Carolina Chapel Hill*. He maintains an active clinical practice, is regularly listed among the "Top Doctors" locally, nationally, and internationally, and holds active certifications in *General Pediatrics* and *Pediatric Pulmonology* from the *American Board of Pediatrics*. He has also received formal training in Health Care Management and Managed Care & Capitation from the *University of Miami School of Business*; Health Policy and Management from *Harvard University School of Public Health*; Healthcare Finance & Accounting from *Baldwin Wallace University*; and Population Health from *Thomas Jefferson University*.

Dr. Piedimonte has more than 25 years of experience in the leadership and management of complex academic and healthcare systems. Under his leadership, *Tulane University* federal research funding has already increased 19%, and 2020 became the best year in history for university-wide research funding. He also launched the *Grant Lifecycle Management Initiative*, a fully digital, paperless platform driving efficiency and throughput for all research operations, and started the new *Centers of Research Excellence Program* to assemble multi-disciplinary teams focused on convergence research. During his tenure at the *Cleveland Clinic*, he was responsible for all clinical, financial, academic, operational, professional, and strategic matters of one of the largest service lines in the enterprise, including more than 350 physicians and 1,000 nurses, with

annual gross revenues over \$1 billion and operating budget of more than \$280M. He managed 414 beds in four acute care hospitals, one post-acute specialty hospital, and more than 40 outpatient clinic sites caring for more than 680,000 outpatient visits, 13,000 hospital admissions, and 11,000 surgeries per year.

Dr. Piedimonte's research has been funded by the *National Institutes of Health (NIH)* for more than 30 consecutive years. He has been principal investigator or co-investigator of more than 40 research projects funded by the *NIH*, the *National Cystic Fibrosis Foundation*, the *American Lung Association*, the *Asthma and Allergy Foundation of America*, and the pharmaceutical industry. He is currently leading several funded projects involving basic cellular and molecular biology, animal models, translational and clinical trials. He served as a regular member of the *Respiratory Integrative Biology and Translational (RIBT) Research Study Section of the U. S. National Institutes of Health Center for Scientific Review* and frequently reviews *ad hoc* for other NIH study sections (LCMI, IRAP) as well as several other national and international granting agencies like the *American Association for the Advancement of Sciences*, *American Heart Association*, *Department of Veteran Affairs' Medical Research Service*, *Canadian Institutes of Health Research*, and *British Lung Foundation*. He also holds 18 U.S. and international patents protecting some of his discoveries.

Dr. Piedimonte has authored or co-authored more than 400 peer-reviewed journal articles, book chapters, monographs, editorials, and abstracts, with the primary focus on lung inflammation; the neurobiology of the developing respiratory tract; pediatric respiratory diseases; the role of early viral respiratory infections, maternal nutrition, and environmental pollution in the pathogenesis of asthma; the metabolic links between obesity, diabetes, and asthma; and mother-to-fetus transmission of infections predisposing to chronic respiratory conditions. His scientific articles have been published in high-impact journals such as *Science*, *Nature*, *Journal of Clinical Investigation*, *Circulation Research*, *Journal of Allergy and Clinical Immunology*, *American Journal of Respiratory and Critical Care Medicine*, *American Journal of Respiratory Cell and Molecular Biology*, *American Journal of Physiology*, *Journal of Pharmacology and Experimental Therapeutics*, *Public Library of Science (PLoS)*, *Pediatrics*, *Pediatric Research*, and *Journal of Pediatrics*. He has also published several op-eds and podcasts on healthcare policy and leadership topics in national media.

Dr. Piedimonte has been invited to speak on scientific and healthcare management topics on more than 500 occasions both nationally and internationally in more than 100 countries, including being the recipient of the *European Society for Paediatric Hematology and Immunology Lectureship*; the *Jerry Elliot Memorial Lectureship in Perinatal Research*; the *Japanese Society of Pediatric Pulmonology Lectureship*; the *Benjamin Burrows Lung Immunology Lectureship* of the University of Arizona; the *Frank P. Anderson Memorial Lectureship* of the Medical College of Georgia; the *Robert H. Schwartz Lectureship in the Genetics of Pediatric Disease* of the University of Rochester; the keynote address to the *American Medical Student Association* in New York; the *Gilbert Friday Memorial Lectureship on Asthma*; and endowed lectureships from the Medical University of South Carolina, University of Louisville, and the University of South Florida. He is the recipient of a *Career Investigator Award of the American Lung Association*, the *Investigator Award of the Asthma and Allergy Foundation of America*, and the *Pfizer Visiting Professorship in Pulmonology*. He is a Fellow of both the *American Academy of Pediatrics* and the *American College of Chest Physicians*. He also serves on the editorial boards of several scientific journals and many advisory boards.

CURRICULUM VITAE

May 1, 2021

PERSONAL

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Current

Position:

*Vice President for Research and Institutional Official
of Tulane University
Professor of Pediatrics, Biochemistry & Molecular Biology
Tulane School of Medicine*

Citizenship:

United States of America

EDUCATION

Predoctoral

Training:

Lyceum Maurolico, Messina, Italy; Classic Diploma, 1980

University “La Sapienza” School of Medicine, Rome, Italy;
M.D. *magna cum laude*, 1986

Postdoctoral

Training:

University “La Sapienza” School of Medicine, Rome, Italy;
Department of Pediatrics, Intern, 1985-86

University “La Sapienza” School of Medicine, Rome, Italy;
Department of Pediatrics, Resident, 1986-88

University of California School of Medicine, San Francisco,
California; Cardiovascular Research Institute,
Multidisciplinary Training Program in Lung Diseases, Post-
Doctoral Fellow, 1988-91

University of California School of Medicine, San Francisco,
California; Department of Pediatrics, Senior Resident, Jan-
Dec 1992

University of North Carolina School of Medicine, Chapel
Hill, North Carolina; Department of Pediatrics, Pediatric
Pulmonary Medicine, Post-Doctoral Fellow, 1993-95

Other Training:

Certificate Program in Health Care Management,
University of Miami School of Business, 1999

Certificate Program in Managed Care & Capitation,
University of Miami School of Business, 1999

Executive Development Seminar for Associate Deans and
Department Chairs, Association of American Medical
Colleges / Harvard Medical School Department of
Continuing Education, Ft. Lauderdale, FL, 2006

Program for Chiefs of Clinical Services, Harvard School of
Public Health, Department of Health Policy and
Management, Boston, MA, 2008

Civic Leadership Institute, Cleveland Leadership Center,
Cleveland, OH, 2013

Healthcare Finance & Accounting for Executives, Baldwin
Wallace University, Cleveland, OH, 2013

Population Health Academy, Jefferson College of
Population Health, Thomas Jefferson University,
Philadelphia, PA, 2015

Association of Governing Boards Institute for Leadership &
Governance in Higher Education, Pathway to the
Presidency – 3rd Cohort, Washington, DC, 2021

Certifications
& Licensures:

National Board and Medical Registration (Italy), 1986

Foreign Medical Graduate Examination in the Medical Sciences; ECFMG Certificate 404-871-4, 1987

Specialist in Pediatrics *magna cum laude* (Italy), 1990

Federation Licensing Examination (FLEX), 1991

California Medical License (A 51609), 1993

North Carolina Medical License (93-00275), 1993

West Virginia Medical License (22513), 2006-2013

Ohio Medical License (35.120377), 2012-2020

Florida Medical License (ME 135660), 1995-present

Louisiana Medical License (322269), 2020-present

American Board of Pediatrics, General Pediatrics

Certificate number 51862, 1993

General Pediatrics Certification Renewals: 2001 and 2007

American Board of Pediatrics, Pediatric Pulmonology

Certificate number 00516, 1996

Pediatric Pulmonology Certification Renewals: 2002 and 2011

PROFESSIONAL EXPERIENCE**Academic****Appointments:*****University of Miami, Miami, Florida; 1995-2006***

Associate Professor, Departments of Pediatrics, Medicine, and Molecular & Cellular Pharmacology, School of Medicine (1995-2001)

Professor with Tenure, Departments of Pediatrics, Medicine, and Molecular/Cellular Pharmacology, School of Medicine (2001-2006)

West Virginia University, Morgantown, West Virginia; 2006-2012

Professor with Tenure & Chairman, Department of Pediatrics, School of Medicine

Professor, Department of Basic Pharmaceutical Sciences, School of Pharmacy

Case Western Reserve University / Cleveland Clinic Lerner College of Medicine, Cleveland, Ohio; 2012-2019

Professor & Chairman, Department of Pediatrics, School of Medicine

Tulane University, New Orleans, Louisiana; 2019-present

Professor with Tenure, Departments of Pediatrics, Biochemistry & Molecular Biology, School of Medicine

Professional
Appointments:

***University of Miami / Jackson Memorial Medical
Center, Miami, Florida; 1995-2006***

Director, Division of Pulmonology, Department of
Pediatrics

Attending Physician:

Jackson Memorial Medical Center
Mount Sinai Medical Center
Baptist Hospital of South Florida
South Miami Hospital

Founding Medical Director, Pediatric Lung Transplant
Program (UNOS FLJM)

Founding Director, Pediatric Pulmonology Fellowship
Training Program (ACGME #3301121054)

Founding Director, Cystic Fibrosis Center (CFF #143)

Director, Asthma Center

***West Virginia University, Morgantown, West Virginia;
2006-2012***

Physician-in-Chief, Children's Hospital

Chief, Division of Pediatric Allergy/Immunology,
Pulmonology, and Sleep Medicine

Founding Director, Pediatric Research Institute

Cleveland Clinic Foundation, Cleveland, Ohio; 2012-2019

Chairman and Physician-in-Chief, Pediatric Institute and Children's Hospital

President, Children's Hospital for Rehabilitation

Founding Director, Center for Pediatric Research

Chief, Global Pediatric Research Operations

Tulane University, New Orleans, Louisiana; 2019-present

Vice President for Research

University Institutional Official

Research Integrity Officer

Attending Physician:

Tulane Medical Center

Children's Hospital of New Orleans (LCMC Health)

PUBLICATIONS

Healthcare Policy

1. **Piedimonte, G.** Lack of reform on immigration stunts health care quality. *The Plain Dealer/Cleveland.com*, Sunday September 28, 2014.
2. Lonzer, J., D. Lonzer, M. M. Medina, and **G. Piedimonte**. 2015. Social media in Pediatrics: A call for guidelines. *The Journal of Pediatrics* 166:511-512 (DOI: 10.1016/j.jpeds.2014.11.032).
3. **Piedimonte, G.** Prescribing immigration reform for a healthy economy. *The Plain Dealer/Cleveland.com*, Friday April 15, 2016.
4. **Piedimonte, G.** Immigration reform. In: *New American Economy*, 2016.
5. Friedman, A. and **G. Piedimonte**. Beyond Residency: Impact to the Health Care Industry. *The New Physician*, 2016.
6. Fletcher, K., A. Friedman, and **G. Piedimonte**. 2019. Transformational and transactional leadership in healthcare seen through the lens of Pediatrics. *The Journal of Pediatrics* 204:7-9.e1 (DOI: 10.1016/j.jpeds.2018.10.007).

Biomedical Research: Book Chapters & Monographs

7. Bronchopneumology Group of the Italian Pediatric Society. Self-management of asthma. In: *Asthma*, R. Ronchetti (Editor); pp. 217-245, 1987.
8. Macri', F., F. Lalia, A. Lo Tesoriere, F. Frisenda, C. Ciuffetti, **G. Piedimonte**, R. Ronchetti. Asthma and sinusitis. In: *Asthma*, R. Ronchetti (Editor); pp. 75-84, 1987.
9. Midulla, F., A. Villani, **G. Piedimonte**, L. Indinnimeo, G.C. Ciofetta, M. Roggini, G. Colarossi, R. Ronchetti. Considerations on congenital tracheal stenosis. In: *Asthma*, R. Ronchetti (Editor); p. 277, 1987.

10. Cutrera, R., M. Alberelli, **G. Piedimonte**, A. Giannantonio, L. Russo, R. Ronchetti. Calculation of specific airway resistance in non-collaborating children. In: *Childhood Respiratory Inflammation*, R. Ronchetti (Editor); p. 281, 1988.
11. **Piedimonte, G.** and R. Ronchetti. 1990. Pathophysiology of the inflammatory response to airway viral infections: role of neurogenic inflammation (editorial). *Review of Pediatric Bronchopneumology* 2: 3-5.
12. **Piedimonte, G.** and J. A. Nadel. Role of peptidases in airway defense mechanisms. In: *Environmental Impact on the Airways: From Injury to Repair*, Chretien, J. and Dusser, D. (Editors). Marcel Dekker, New York, NY pp. 123-153, 1996 (ISBN: 824794850).
13. **Piedimonte, G.**, E. T. Wolford, L. A. Fordham, et al. Mediastinal lymphadenopathy caused by *Mycobacterium Avium-Intracellulare Complex* in a child with normal immunity: successful treatment with anti-mycobacterial drugs and laser bronchoscopy. In: *1999 Year Book of Pediatrics*, Stockman, III, J. A. (Editor). Mosby, Inc., St. Louis, pp. 339-341, 1999.
14. Albisser, J. B., A. M. Albisser, **G. Piedimonte**, R. Hite, A. Wanner. 2000. Telemedicine and the internet for remote control in asthma. *IFAC Proceedings Volumes* 33:1-334.
15. Lemanske Jr., R. F., **G. Piedimonte**, S. Wenzel, G. R. Elliott. Asthma and RSV disease. Continuing Medical Education program sponsored by the School of Medicine, Virginia Commonwealth University, Medical College of Virginia, 2000.
16. Martinez, F. D. and **G. Piedimonte**. Longer-term consequences of RSV – The RSV/RAD link. *RSV Focus*, Vol. III, 2001.
17. **Piedimonte, G.** 2001. Infeccion por virus respiratorio sincitial (VRS) hiperreactividad bronquial, *Anales Espanoles de Pediatria* 54: 50.
18. **Piedimonte, G.** RSV/RAD: Pathogenesis of Disease – Nerve Growth Factor. *RSV Focus*, Vol. IV, 2003.
19. **Piedimonte, G.** Palivizumab safely prevents RSV in infantile CHD. *Pediatric News* 38: 14, 2004.

20. **Piedimonte, G.** Palivizumab good for hospitalization prevention. *Pediatric News* 38: 15, 2004.
21. **Piedimonte, G.** Exploring the link between RSV and the development of allergy and asthma. In: *Sneezers and wheezers: Exploring the link between allergic disease, viral infections, and asthma in children*, Lemanske, R. F., Piedimonte, G. and Skoner (Editors). D. P. Pragmaton, 2005.
22. **Piedimonte, G.** Is it pneumonia? *Parents Magazine*, pp. 97-100, 2005.
23. **Piedimonte, G.** Axon reflex and neurogenic inflammation in vagal afferent nerves. In: *Frontiers of Neuroscience: Advances in Vagal Afferent Neurobiology*, Weinreich, D. and Udem, B. (Editors). CRC Press, Boca Raton, FL; pp. 431-464, 2005 (ISBN: 0-8493-2131-X).
24. **Piedimonte, G.** Leukotriene inhibitors in the management of asthma triggered by viral respiratory infections. In: *Asia Pediatric Speaker's Forum*, 2005.
25. **Piedimonte, G.** Virus induction of neurogenic inflammation and airway responsiveness. In: *Exacerbations of Asthma*; Johnston, S. and O'Byrne, P. (Editors). Taylor and Francis, Boca Raton, FL; pp. 143-166, 2006.
26. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection. *British Medical Journal Point-of-Care*, 2009.
27. **Piedimonte, G.** (Editor). Use of guidelines in clinical practice: Gaining control of mild-to-moderate asthma in pediatric and adolescent patients. *Epocrates CME*, 2009.
28. Renzetti, G., G. Silvestre, C. D'Amario, E. Bottini, F. Gloria-Bottini, N. Bottini, A. Auais, M. K. Perez, and **G. Piedimonte**. Less air pollution leads to rapid reduction of airway inflammation and improved airway function in asthmatic children. 2009 *Synopsis Book – Best Articles Relevant to Pediatric Allergy and Immunology*, Sicherer, S. H. (Editor). *Pediatrics*; 124:S117-S118, 2009.
29. *Faculty of 1000 Medicine*: Evaluations for Urrego F. et al. *Pediatr Pulmonol* 2009 Nov 44 (11): 1075-84 [http:// f1000medicine.com/article/id/1710957/evaluation](http://f1000medicine.com/article/id/1710957/evaluation).

30. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection. *British Medical Journal Point-of-Care 2010 update*.
31. **Piedimonte, G.** and J. S Fedan (Editors). *Current Opinion in Pharmacology – Respiratory Section*. Elsevier, 2010.
32. **Piedimonte, G.** Neurobiology of early-life respiratory infections. *Proceedings of the Collegium Internationale Allergologicum 28th Symposium*, 2010.
33. Martinez, F. D., **G. Piedimonte**, D. P. Skoner, S. J. Szefler. Expert Opinions on Pediatric Asthma Controllers: A Safety Discussion of Long-Acting Beta Agonists (LABAs), Leukotriene Receptor Antagonists (LTRAs), and Corticosteroid Treatments. MedScape CME, 2011.
34. Cottrell, L., W. Neal, C. Ice, and **G. Piedimonte**. News Beyond Our Pages: Metabolic dysfunction associated with asthma and obesity. *Journal of Allergy and Clinical Immunology*; 127:841, 2011.
35. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection. *British Medical Journal Point-of-Care*, 2012 update.
36. **Piedimonte, G.** Drugs for Asthma - *Treatment Guidelines from "The Medical Letter"*; 10:11-18, 2012.
37. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection. *British Medical Journal Point-of-Care*, 2013 update.
38. **Piedimonte, G.** Progress in pediatric asthma research: Tracing a continuous circle between bench and bedside. *Arab Health Magazine*, 2015.
39. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection. *British Medical Journal Point-of-Care*, 2015 update.
40. Foster, C., N. Friedman, and **G. Piedimonte**. Enterovirus D68 infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2016.
41. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2016 update.
42. Perez, M. and **G. Piedimonte**. Bronchiolitis aguda. In: *Enfermedades Respiratorias del Niño, 2nd Edition*; Bertrand, P. and

- Sanchez, I. (Editors). Ediciones UC, Santiago, Chile; pp. 285-298, 2016. (ISBN: 978-956-14-1945-2).
43. Wright, M. and **G. Piedimonte**. Respiratory syncytial virus infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2017 update.
 44. Foster, C., N. Friedman, and **G. Piedimonte**. Enterovirus D68 infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2017 update.
 45. Manti, S., P. Brown, M. K. Perez, and **G. Piedimonte**. The Role of Neurotrophins in Inflammation and Allergy. In: *Vitamins and Hormones: Neurotrophins*, Volume 104; Litwack, G. (Editor). Academic Press/Elsevier, Cambridge, MA, USA; pp. 313-341, 2017 (ISBN: 978-0-12-812263-1).
 46. Esper, F. and **G. Piedimonte**. Respiratory syncytial virus infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2018 update.
 47. Foster, C., N. Friedman, and **G. Piedimonte**. Enterovirus D68 infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2018 update.
 48. **G. Piedimonte**. Vertical transmission of respiratory syncytial virus (RSV) to fetuses in utero alters post-natal Th1 & Th2 cytokine levels in weanling rats re-challenged with RSV. In: *Towards Precision Diagnosis and Targeted Intervention in Allergic Disease (Proceedings from the 13th Collegium Internationale Allergologicum)*; Bochner, B. S. and Creticos, P. S. (Editors). Pacini Editore, Pisa, Italy; pp. 83-84, 2018 (ISBN: 978-88-3379-006-0).
 49. Esper, F. and **G. Piedimonte**. Respiratory syncytial virus infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2019 update.
 50. Perez, M. and **G. Piedimonte**. Bronchiolitis. In: *Pediatric Respiratory Diseases*; Bertrand P. and Sánchez I. (Editors). Springer, Cham; pp. 283-298, 2020 (ISBN: Print 978-3-030-26960-9; Online 978-3-030-26961-6).

51. Anderson, M. H. and **G. Piedimonte**. Respiratory syncytial virus infection (U.S. and Rest of World versions). *British Medical Journal Point-of-Care*, 2021 update.

Biomedical Research: Peer-Reviewed Articles

52. **Piedimonte, G.**, J. A. Nadel, E. Umeno, and D. M. McDonald. 1990. Sendai virus infection potentiates neurogenic inflammation in the rat trachea. *Journal of Applied Physiology* 68:754-760.
53. **Piedimonte, G.**, D. M. McDonald, and J. A. Nadel. 1990. Glucocorticoids inhibit neurogenic plasma extravasation and prevent virus-potentiated extravasation in the rat trachea. *Journal of Clinical Investigation* 86:1409-1415.
54. **Piedimonte, G.**, D.M. McDonald, and J.A. Nadel. 1991. Neutral endopeptidase and kininase II mediate glucocorticoid inhibition of neurogenic inflammation in the rat trachea. *Journal of Clinical Investigation* 88:40-44.
55. **Piedimonte, G.**, J. I. E. Hoffman, W. K. Hussein, W. L. Hiser, and J.A. Nadel. 1992. Effect of neuropeptides released from sensory nerves on blood flow in the rat airway microcirculation. *Journal of Applied Physiology* 72:1563-1570.
56. Geppetti, P., C. Bertrand, J. Baker, I. Yamawaki, **G. Piedimonte**, and J. A. Nadel. 1993. Ruthenium red, but not capsazepine reduces plasma extravasation by cigarette smoke in rat airways. *British Journal of Pharmacology* 108:646-650.
57. Katayama, M., J. A. Nadel, **G. Piedimonte**, and D. M. McDonald. 1993. Peptidase inhibitors reverse steroid-induced suppression of neutrophil adhesion in rat tracheal blood vessels. *American Journal of Physiology Lung Cellular and Molecular Physiology* 264:L316-L322.
58. **Piedimonte, G.**, J. I. E. Hoffman, W. K. Hussein, C. Bertrand, R. M. Snider, M. C. Desai, G. Petersson, and J. A. Nadel. 1993. Neurogenic vasodilation in the rat nasal mucosa involves neurokinin₁ tachykinin receptors. *Journal of Pharmacology and Experimental Therapeutics* 265:36-40.

59. **Piedimonte, G.**, J. I. E. Hoffman, W. K. Hussein, R. M. Snider, M. C. Desai, and J. A. Nadel. 1993. NK₁ receptors mediate neurogenic inflammatory increase in blood flow in rat airways. *Journal of Applied Physiology* 74:2462-2468.
60. Bertrand, C., P. Geppetti, J. Baker, G. Petersson, **G. Piedimonte**, and J. A. Nadel. 1993. Role of peptidases and NK₁ receptors in vascular extravasation induced by bradykinin in the rat nasal mucosa. *Journal of Applied Physiology* 74:2456-2461.
61. **Piedimonte, G.**, C. Bertrand, P. Geppetti, R. M. Snider, M. C. Desai, and J. A. Nadel. 1993. A new NK₁ receptor antagonist (CP-99,994) prevents the increase in tracheal vascular permeability produced by hypertonic saline. *Journal of Pharmacology and Experimental Therapeutics* 266:270-273.
62. **Piedimonte, G.**, J. A. Nadel, C. S. Long, and J. I. E. Hoffman. 1994. Neutral endopeptidase in the heart: NEP inhibition prevents isoproterenol-induced myocardial hypoperfusion in rats by reducing bradykinin degradation. *Circulation Research* 75:770-779.
63. Hoffman, J. I. E., **G. Piedimonte**, A. J. Maxwell, J. A. Nadel, S. Iwanaga, and W. K. Hussein. Aspects of coronary vasomotor regulation. 1995. *Advances in Experimental Medicine & Biology* 381:135-146.
64. **Piedimonte, G.** 1995. Tachykinin peptides, receptors, and peptidases in airway disease. *Experimental Lung Research* 21:809-834.
65. Yamawaki, I., P. Geppetti, C. Bertrand, B. Chan, P. Massion, **G. Piedimonte**, and J. A. Nadel. 1995. Sendai virus infection potentiates the increase in airway blood flow produced by substance P. *Journal of Applied Physiology* 79:398-404.
66. Maxwell, A. J., W. K. Hussein, **G. Piedimonte**, and J. I. E. Hoffman. 1995. Effects of inhibiting neutral endopeptidase and kininase II on coronary and systemic hemodynamics in rats. *American Journal of Physiology Heart and Circulation Physiology* 269:H1016-H1029.
67. **Piedimonte, G.**, R. J. Pickles, J. R. Lehmann, D. McCarty, D. L. Costa, and R. C. Boucher. 1997. Replication-deficient adenoviral

- vector for gene transfer potentiates airway neurogenic inflammation, *American Journal of Respiratory Cell and Molecular Biology* 16:250-258.
68. **Piedimonte, G.**, E. T. Wolford, L. A. Fordham, M. W. Leigh, and R. E. Wood. 1997. Mediastinal lymphadenopathy caused by *Mycobacterium Avium-Intracellulare Complex* in a child with normal immunity: successful treatment with anti-mycobacterial drugs and laser bronchoscopy, *Pediatric Pulmonology* 24:287-291.
69. IMpact-RSV Study Group. 1998. Palivizumab, a humanized respiratory syncytial virus monoclonal antibody, reduces hospitalization from respiratory syncytial virus infection in high risk infants, *Pediatrics* 102:531-537.
70. **Piedimonte, G.**, M. M. Rodriguez, K. A. King, S. McLean, X. Jiang. 1999. Respiratory syncytial virus upregulates expression of the substance P receptor in rat lungs, *American Journal of Physiology Lung Cellular and Molecular Physiology* 277:L831-L840.
71. **Piedimonte, G.**, K. A. King, N. L. Holmgren, P. J. Bertrand, M. M. Rodriguez, R. L. Hirsch. 2000. A humanized monoclonal antibody against respiratory syncytial virus (palivizumab) inhibits RSV-induced neurogenic-mediated inflammation in rat airways, *Pediatric Research* 47:351-356.
72. **Piedimonte, G.** and N. Sigurs. 2000. RSV and reactive airway disease: Is there an association? *The Journal of Respiratory Diseases* 2:S17-S23.
73. King, K. A., C. Hu, M. M. Rodriguez, R. Romaguera, X. Jiang, and **G. Piedimonte**. 2001. Exaggerated neurogenic inflammation and substance P receptor upregulation in RSV-infected weanling rats, *American Journal of Respiratory Cell and Molecular Biology* 24:101-107 (DOI: 10.1165/ajrcmb.24.2.4264).
74. **Piedimonte, G.** 2001. Neural mechanisms of respiratory syncytial virus-induced inflammation and prevention of respiratory syncytial virus sequelae, *American Journal of Respiratory and Critical Care Medicine* 163:S18-S21 (DOI: 10.1164/ajrccm.163.supplement_1.2011113).
75. Wedde-Beer, K., C. Hu, M. M. Rodriguez, and **G. Piedimonte**. 2002. Leukotrienes mediate neurogenic inflammation in lungs of

- young rats infected with respiratory syncytial virus, *American Journal of Physiology Lung Cellular and Molecular Physiology* 282:L1143-L1150 (DOI: 10.1152/ajplung.00323.2001).
76. **Piedimonte, G.** 2002. The association between respiratory syncytial virus infection and reactive airway disease, *Respiratory Medicine* 96 (Suppl. B):S25-S29 (DOI: 10.1053/rmed.2002.1297).
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222. Trapp, E., T. J. Harford, V. Castranova, G. Piedimonte, F. Rezaee. 2018. Pre-exposure to titanium dioxide nanoparticles enhances RSV-induced airway barrier dysfunction. *American Journal of Respiratory and Critical Care Medicine* 197:A2279.
223. Harford, T. J., V. Bokun, M. K. Gupta, S. V. Naga Prasad, F. Rezaee, G. Piedimonte. 2018. Non-canonical regulation of beta2 adrenergic receptor in response to RSV infection in human primary airway smooth muscle cells. *American Journal of Respiratory and Critical Care Medicine* 197:A2854.
224. Bokun, V., T. J. Harford, F. Rezaee, F. Esper, B. Yen-Lieberman, J. J. Moore, G. Piedimonte. 2018. Respiratory syncytial virus infects placental cells and villus explants *in vitro*. *American Journal of Respiratory and Critical Care Medicine*, 197:A2855.
225. Harford, T. J., V. Bokun, F. Rezaee, G. Piedimonte. 2018. Glucocorticoid receptor dysfunction in response to respiratory syncytial virus infection in

- primary human airway smooth muscle cells. *American Journal of Respiratory and Critical Care Medicine* 197:A2856.
226. Linfield, D., A. I. Ivanov, G. Piedimonte, F. Rezaee. 2018. Endocytosis of tight junction proteins following RSV infection leads to airway epithelial barrier dysfunction. *American Journal of Respiratory and Critical Care Medicine* 197:A2859.
227. Harford, T. J., F. Rezaee, R. Scheraga, M. A. Olman, G. Piedimonte. 2018. Modulation of TRPV₁ in bronchial epithelium of children by asthma predisposition and respiratory syncytial virus infection. *American Journal of Respiratory and Critical Care Medicine* 197:A2866.
228. Esper, F., S. Manti, M. Alejandro-Rodriguez, S. Worley, F. Rezaee, G. Piedimonte. 2018. Evidence of in-utero respiratory syncytial virus seropositivity in newborns and impact on birth outcomes. *American Journal of Respiratory and Critical Care Medicine* 197:A3684.
229. Rezaee, F., S. Manti, T. J. Harford, C. Salpietro, G. Piedimonte. 2018. High mobility group box-1 as a marker for respiratory syncytial virus infection. *American Journal of Respiratory and Critical Care Medicine* 197:A3862.
230. Smallcombe, C. C., G. Altawallbeh, T. L. Bonfield, F. Rezaee, G. Piedimonte. 2018. Infection of tracheal epithelial cells with RSV or *Pseudomonas aeruginosa* decreases hyaluronan levels. *American Journal of Respiratory and Critical Care Medicine* 197:A3879.
231. Rezaee, F., C. C. Smallcombe, D. Linfield, T. J. Harford, A. I. Ivanov, G. Piedimonte. 2018. Respiratory syncytial virus infection alters the expression and distribution of airway epithelial cell tight junctions. *American Journal of Respiratory and Critical Care Medicine* 197:A5815.
232. Sammour, I., V. Munjapara, M. Alejandro-Rodriguez, S. Simpson, C. LoPiccolo, S. Karnati, S. Worley, F. Rezaee, J. Peterson, G. Piedimonte. 2018. Association between serum neurotrophin levels at birth and neurodevelopmental outcomes at two years of age in the NICU population. *American Journal of Respiratory and Critical Care Medicine* 197:A6981.
233. Sammour, I., V. Munjapara, M. Alejandro-Rodriguez, S. Simpson, M. Allen, W. Spencer, S. Worley, A. Tang, F. Rezaee, G. Piedimonte. 2018. Serum neurotrophin levels at birth are associated with respiratory illness in the first three years of life. *American Journal of Respiratory and Critical Care Medicine* 197:A6982.
234. Bokun, V., J. J. Moore, C. C. Smallcombe, T. J. Harford, F. Rezaee, F. Esper, G. Piedimonte. 2019. Respiratory syncytial virus displays tropism for human placental macrophage cells *in vitro*. *American Journal of Respiratory and Critical Care Medicine* 199:A1025.

235. Smallcombe, C. C., S. Lechuga, T. J. Harford, A. I. Ivanov, G. Piedimonte, F. Rezaee. 2019. Role of RSV infection in airway epithelial cell injury and repair. *American Journal of Respiratory and Critical Care Medicine* 199:A1026.
236. Smallcombe, C. C., T. J. Harford, V. Bokun, A. I. Ivanov, G. Piedimonte, F. Rezaee. 2019. Titanium dioxide nanoparticles enhance RSV-induced airway barrier dysfunction. *American Journal of Respiratory and Critical Care Medicine* 199:A1175.
237. Harford, T. J., F. Rezaee, L. Grove, M. A. Olman, G. Piedimonte. 2019. Modulation of TRPV₁ in bronchial epithelium of children by PI₃ kinase. *American Journal of Respiratory and Critical Care Medicine* 199:A2954.
238. Harford, T. J., B. R. Dye, V. Bokun, C. C. Smallcombe, J. R. Spence, L. Shea, F. Rezaee, G. Piedimonte. 2019. Human lung organoids as a novel 3-dimensional (3D) model system to study fetal RSV infection. *American Journal of Respiratory and Critical Care Medicine* 199:A4002.
239. Gupta, M. K., T. J. Harford, G. Piedimonte, S. V. Naga Prasad. 2019. TNF- α leads to β -adrenergic receptor dysfunction in asthma from human airway smooth muscle cells. *American Journal of Respiratory and Critical Care Medicine* 199:A4290.
240. Smallcombe, C. C., D. Linfield, T. J. Harford, V. Bokun, A. I. Ivanov, G. Piedimonte, F. Rezaee. 2019. Disruption of the airway epithelial barrier in a murine model of RSV infection. *American Journal of Respiratory and Critical Care Medicine* 199:A5758.
241. Harford, T. J., S.V. Naga Prasad, F. Rezaee, G. Piedimonte. 2019. Beta-2 adrenergic receptor proteolytic cleavage in response to RSV infection in human primary airway smooth muscle cells. *American Journal of Respiratory and Critical Care Medicine* 199:A6171.
242. Smallcombe, C. C., T. J. Harford, G. Piedimonte, F. Rezaee. 2020. Titanium dioxide nanoparticles exacerbate respiratory syncytial virus-induced airway epithelial barrier dysfunction. *American Journal of Respiratory and Critical Care Medicine* 201:A6345.
243. Smallcombe, C. C., G. Piedimonte, F. Rezaee. 2020. Respiratory syncytial virus attenuates epithelial restitution by inhibiting actin cytoskeleton-dependent cell migration. *American Journal of Respiratory and Critical Care Medicine* 201:A6330.

ACADEMIC PRODUCTIVITY

Funded Research

Active

Neurogenic Inflammatory Response to RSV

NIH/NHLBI 2R01 HL061007-15

Role: Principal Investigator (20% effort)

Total award: \$ 3,578,381, 2019-24

The primary aim of this project is to provide conclusive evidence that viruses like RSV, which usually causes only common colds in adult humans, can cross the human placenta, infect the human fetus during a highly vulnerable “window of opportunity”, and modify the molecular structure of human lungs leading to persistent airway hyperreactivity.

Mechanisms of Airway Epithelial Barrier Dysfunction by Respiratory Syncytial Virus and Environmental Stimuli

NIH/NHLBI RO1 HL148057-01

Role: Co-Investigator (5% effort)

Total award: \$3,000,000, 2019-24.

The overall goal of this proposal is to investigate the mechanisms of pollution-dependent disruption of the airway epithelial barrier and predisposition to RSV infection. The central hypothesis is that exposure to ultrafine particles increases airway epithelial permeability by causing disassembly of the apical junctional complex, and that such barrier breakdown increases risk and severity of RSV infection and airway hyperreactivity.

iNO as Therapy for SARS-CoV-2 and RSV in a Murine Model

Beyond Air, Inc.

Role: Principal Investigator (5% effort)

Total award: \$267,461, 2021-22.

Goal of this proposal is to investigate the efficacy and safety of inhaled NO as a therapeutic agent for severe viral respiratory infections using murine models of disease.

Pending Vertical Transmission of COVID-19

NIH/NHLBI 3R01 HL061007-15

Role: Principal Investigator (10% effort)

Total award: \$ 547,040

The primary aim of this project is to provide conclusive evidence that SARS-Cov-2, agent of the COVID-19 pandemic, can cross the human placenta, infect the human fetus during a highly vulnerable “window of opportunity”, and modify the molecular structure of human lungs leading to persistent airway hyperreactivity.

COVID-19 during pregnancy, infant infections, and postpartum mental health

NIH PA-20-272 (Administrative Supplements to Existing NIH Grants and Cooperative Agreements)

Role: Principal Investigator

Total requested award: \$1,011,458

The overall project goal is to address the bidirectional relationships between infection and maternal mental health, which will be addressed through the following specific aims: 1) Examine the effects of COVID-19 infection on maternal mental health. 2) Examine the effects of “2020 stressors” (pandemic isolation, hurricanes, racial violence) on maternal mental health, and 3) Examine the bidirectional relationship between infant infection (i.e., respiratory tract infections) and maternal mental health.

Completed: Federal Grants

Automated System for Telephonic Home Management of Asthma (NIH Small Business Innovation Research Program Phase I, 1R43 HL59024-01); Role: Co-Investigator, Total award: \$99,997, 1997-98.

Automated System for Telephonic Home Management of Asthma (NIH Small Business Innovation Research Program Phase II, 1R43 HL59024); Role: Co-Investigator, Total award: \$749,783, 1999-01.

School-Based Asthma Intervention Program - Puerto Rico Supplement (NIH R18 AI36908); Role: Co-PI, Total award: \$150,000, 1997-03.

Neurogenic Inflammatory Response to RSV (NIH 1R01 HL61007-01); Role: Principal Investigator, Total award: \$1,510,000, 1999-05.

DR3 in Asthma and in Ontogeny (NIH-NIAID AI061807, RFA #AI-03-41); Role: Co-Investigator, Total award: \$2,590,315, 2004-05.

Neurogenic Inflammatory Response to RSV (NIH 2RO1 HL061007); Role: Principal Investigator, Total award: \$1,878,300, 2006-11.

National Children's Study (NCS): Marion County (NIH-NICHD-NCS-07-11); Role: Co-PI, Total award: \$9,866,280, 2008-12.

SARP III: Characterization and Longitudinal Follow-up Protocol (NIH/NHLBI SARP: Severe Asthma Research Program); Role: Co-investigator, Cleveland Clinic Site, 2012-17.

Airway Epithelial Barrier Dysfunction in Response to

Respiratory Syncytial Virus (NIAID 7Ko8 AI112781; PI: Fariba Rezaee); Role: Principal Mentor, Total award: \$ 613,041, 2015-18.

Neurogenic Inflammatory Response to RSV
(NIH/NHLBI 2RO1 HLo61007)
Role: Principal Investigator
Total award: \$1,572,369, 2012-18.

Completed: Foundation Grants

Influence of Cigarette Smoke on Neurogenic Inflammation (University of California Tobacco-Related Disease Research Grant); Role: Principal Investigator, Total award: \$70,000, 1990-92.

Adenoviral Vector-Induced Airway Inflammation (American Lung Association of Florida, Career Investigator Award); Role: Principal Investigator, Total award: \$59,873, 1997-99.

Family-Based Adherence Intervention for Pediatric Asthma (American Lung Association of Florida, Behavioral Research Grant); Role: Co-PI, Total award: \$60,000, 1997-99.

CF Center Grant (Cystic Fibrosis Foundation C152); Role: Center Director, Total award: \$108,557, 1999-04.

Neurogenic Inflammatory Response to RSV (Asthma and Allergy Foundation of America, Investigator Award Grant); Role: Principal Investigator (10% effort), Total award: \$40,000, 1999-01.

Asthma Clinical Research Center (American Lung Association); Role: Co-PI, Total award: \$200,000, 1999-03.

The Association between Obesity, Diabetes and Asthma in the Children of West Virginia (WVU Foundation); Role: Principal Investigator (10% effort), Total award: \$5,675,574, 2008-12.

The Effects of Metabolic Abnormalities Management on Asthma in Obese Children and Adolescents. Ochsner Research CRISP (Clinical Research & Innovation Support Program; Role: Co-PI; Total award: \$24,655, 2016-17.

Restoration of Hyaluronan Matrices in Cystic Fibrosis Airways and Mucus (Cystic Fibrosis Foundation PIEDIM16Go); Role: Principal Investigator, Total award: \$210,000, 2016-19.

Completed: Pre-clinical/Clinical Trials

Pivotal Phase III Study of MEDI-493 (Humanized RSV Antibody) for the Prophylaxis of Severe RSV Disease in Premature Infants and Infants with Bronchopulmonary Dysplasia (MedImmune); Role: Principal Investigator, Total award: \$80,000, 1996-97.

Effect of Respiratory Syncytial Virus Immune Globulin on RSV-Induced Neurogenic Airway Inflammation (MedImmune); Role: Principal Investigator, Total award: \$30,000, 1996-97.

Randomized, Open Label, Cross-Over Study Comparing the Parent/Guardian Preference for Montelukast Sodium Tablets or Cromolyn Sodium Aerosol (MDI) Treatment for their Children Ages 6-11 with Chronic Asthma (Merck); Role: Principal Investigator, Total award: \$24,529, 1997-98.

Mechanism of RSV-Induced Neurogenic Airway Inflammation and the Protective Effect of RSV-IG (MedImmune); Role: Principal Investigator, Total award: \$50,000, 1997-99.

Mechanism of RSV-Induced Neurogenic Airway Inflammation and the Protective Effect of Palivizumab (MedImmune); Role: Principal Investigator, Total award: \$50,000, 1999-02.

Effect of Levalbuterol on Neurogenic Airway Inflammation and Non-Adrenergic, Non-Cholinergic Bronchoconstriction in an Animal Model of RSV Bronchiolitis (Sepracor, SRC005); Role: Principal Investigator, Total award: \$50,000, 2000-02.

Effects of Montelukast (Singulair®) on Airway Inflammation *in Vivo* in an Animal Model of RSV Bronchiolitis (Merck, SING-US-86-99); Role: Principal Investigator, Total award: \$50,000, 2000-02.

Effect of (R,R)-Formoterol on Neurogenic Airway Inflammation and Non-Adrenergic, Non-Cholinergic Bronchoconstriction in an Animal Model of RSV Bronchiolitis (Sepracor); Role: Principal Investigator, Total award: \$50,000, 2001-02.

Comparison of the Preventive and Therapeutic Effect of Palivizumab and Numax on RSV-Induced Apnea (MedImmune); Role: Principal Investigator, Total award: \$52,500, 2001-03.

A Phase I/II Study of Interferon Gamma-1b (IFN- γ 1b) by Subcutaneous Injection for the Treatment of Patients with Cystic Fibrosis (InterMune); Role: Principal Investigator, Total award: \$53,130, 2002-03.

A Phase II, Randomized, Double-Blind, Two-Period, Cross-Over Study to Evaluate the Pharmacokinetics, Safety and Tolerability of a Liquid Formulation of Palivizumab (MEDI-493, Synagis), a Humanized Respiratory Syncytial Virus Monoclonal Antibody, in Children with a History of Prematurity (MedImmune); Role: Principal Investigator, Total award: \$36,000, 2002-03.

A 1-year, Randomized, Double-blind, Parallel-group, Placebo-controlled, Multicenter Evaluation of Efficacy, Safety, Pharmacokinetics and Pharmacodynamics of Omalizumab in Children with Moderate-Severe, Persistent, Inadequately Controlled Allergic Asthma (Novartis, CIGE025AIA05); Role: Principal Investigator, Total award: \$141,918, 2004-05.

Effect of Fluticasone and Salmeterol on Virus-Induced Neural Remodeling in the Airways (GlaxoSmithKline); Role: Principal Investigator, Total award: \$189,375, 2003-05.

Randomized, Double-Blind, Placebo-Controlled Trial of Albuterol and Levalbuterol in the Management of RSV Bronchiolitis (Sepracor); Role: Principal Investigator, Total award: \$388,750, 2003-05.

A Phase III Study to Evaluate Study Drug for the Prophylaxis of RSV Infection in High Risk Infants (MedImmune); Role: Principal Investigator, Total award: \$140,000, 2004-05.

A Randomized, 2-Period, Multi-Center Double Blind, Parallel Group Study Comparing the Effects of 2 Doses of Montelukast Granules and Placebo in the Treatment of Respiratory Symptoms Associated with Respiratory Syncytial Virus Induced Bronchiolitis in Children aged 6 to 18 Months (Merck); Role: Principal Investigator, Total award: \$ 36,500, 2003-05.

Effect of Budesonide on Virus-Induced Neural Remodeling in the Airways (Astra-Zeneca); Role: Principal Investigator, Total award: \$70,000, 2003-05.

Effect of Montelukast on Virus-Induced Neural Remodeling in the Airways (Merck, SING-US-33-03); Role: Principal Investigator, Total award: \$50,000, 2004-05.

Effect of Human Metapneumovirus on Neurogenic Airway Inflammation (MedImmune); Role: Principal Investigator, Total award: \$75,000, 2006-08.

Effect of Palivizumab and Numax on Virus-Induced Neural Remodeling in the Airways (MedImmune); Role: Principal Investigator, Total award: \$74,340, 2006-09.

Effect of R-Albuterol and S-Albuterol on Virus-Induced Neural Remodeling in the Airways (Sepracor, SRC-152); Role: Principal Investigator, Total award: \$77,500, 2006-09.

Phase III, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy and Safety of a Human Monoclonal Antibody, REGN-2222, for the Prevention of Medically Attended RSV Infection in Preterm Infants (Regeneron Pharmaceuticals); Role: Co-PI, Total award: \$146,148, 2016-17.

Patents

U.S. Issued:

1. **NK-1 Receptor Antagonists for Prevention of Neurogenic Inflammation in Gene Therapy;** Application #09/077,045, Patent # 6,562,335, Grant date: May 13, 2003.

2. **Biomarkers for Bronchopulmonary Dysplasia;**
Application #62/132,636, Patent pending.

Foreign Issued:

3. **Canada**, Application #2228572, Patent #2228572,
Grant date: October 2, 1996;
4. **Switzerland**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
5. **Netherlands**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
6. **Luxembourg**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
7. **Italy**, Application #96931199.2, Patent # EP0854720,
Grant date: August 4, 1999;
8. **Ireland**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
9. **Greece**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
10. **Germany**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
11. **Great Britain**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
12. **France**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
13. **Finland**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;
14. **Denmark**, Application #96931199.2, Patent #
EP0854720, Grant date: August 4, 1999;

15. **Belgium**, Application #96931199.2, Patent # EP0854720, Grant date: August 4, 1999;
17. **Japan**, Application #514868/97, Patent # EP0854720, Grant date: August 4, 1999;
16. **Austria**, Application #96931199.2, Patent # 3041051, Grant date: March 3, 2000;
18. **Mexico**, Application #981905, Patent # 204057, Grant date: September 3, 2001.

Editorial
Boards:

Pediatric Pulmonology, 2004-present

Pediatric Allergy, Immunology & Pulmonology, 2004-present

Current Pediatric Reviews, 2004-present

Italian Journal of Pediatrics, 2017-present

Current Respiratory Medicine Reviews, 2017-present

Journal of Thoracic Disease, 2019-present

Frontiers in Immunology, Guest Editor, 2021-present

Recent Patents on Anti-Infective Drug Discovery, 2005-2012

The Clinical Respiratory Journal, Associate Editor, 2008-2012

Current Opinion in Pharmacology, Guest Editor,
Respiratory Section, 2010

Editorial

Responsibilities:

Acta Paediatrica
Allergy
American Journal of Respiratory and Critical Care
Medicine
American Journal of Respiratory Cell and Molecular
Biology
American Journal of Physiology
Antimicrobial Agents and Chemotherapy
Archives of Disease in Childhood
British Medical Journal
BMJ Open
eLife
Environmental Science Nano
European Journal of Pediatrics
European Respiratory Journal
Expert Opinion on Therapeutic Patents
Expert Review of Respiratory Medicine
F1000 Research
Free Radical Biology & Medicine
International Archives of Allergy and Immunology
Journal of Applied Physiology
Journal of Clinical Investigation
Journal of Critical Illness
Journal of Immunology
Journal of Medical Virology
Journal of Pediatric Infectious Diseases
Medical Principles and Practice
Microbes and Infection
Molecular Biology Reports
Nanotoxicology
Neurology

Neuroscience Letters
Obesity
Pediatric Health
Pediatric Infectious Disease Journal
Pediatric Research
Pediatric Pulmonology
Pediatrics
PLoS (Public Library of Science)
PLoS Pathogens
Prostaglandins and Other Lipid Mediators
Respiratory Research
Science Translational Medicine
Scientific Reports
The Journal of Infectious Diseases
The Journal of Pediatrics
The Lancet
The Lancet Respiratory Medicine
The Medical Letter
Thorax
Vaccines

Review

Boards:

National Institutes of Health, Respiratory Integrative Biology and Translational Research (RIBT) Study Section, Regular Member 2007-2011

National Institutes of Health, Lung Cellular, Molecular, and Immunobiology Study Section (LCMI) Study Section, Ad Hoc Member

National Institutes of Health, Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP) Study Section, Ad Hoc Member

National Institutes of Health, Infectious Diseases and Microbiology, Innovative Virology Study Section (ZRG₁)

IDM-G 90), Ad Hoc Member

National Institutes of Health, Special Emphasis Panel,
NHLBI Lung Primary Prevention Review (ZHL1 CSR-H S1)

National Institutes of Health, Special Emphasis Panel for
review of R15 grant applications in the area of the Cardio-
vascular and Respiratory Sciences (ZRG1 CVRS-F 90)

National Institutes of Health, Special Emphasis Panel for
RFA HL-05-009 SCCOR in Host Factors in Chronic Lung
Diseases

National Institutes of Health, National Center for Research
Resources Special Emphasis Panel/Scientific Review Group
for U54 Roadmap Interdisciplinary Centers (ZRR1 BT-8 01)

National Institutes of Health, National Heart, Lung, and
Blood Institute (NHLBI), PPG Special Emphasis Panels

National Institutes of Health, National Center for Research
Resources (NCRR), Special Emphasis Panel for the Loan
Repayment Program (LRP)

National Institutes of Health Special Emphasis Panel;
Member Conflicts: Pulmonary Diseases (ZRG1 CVRS-N 03)

National Institutes of Health Special Emphasis Panel;
Pulmonary, Kidney, and Mental Health Disease Member
Conflict (ZRG1 PSE-V 02)

American Association for the Advancement of Science
(AAAS), Research Competitiveness Program Collaborative
Research Fund (CRF), Panelist

American Heart Association, External Reviewer

Department of Veteran Affairs' Medical Research Service,

External Reviewer

Canadian Institutes of Health Research (CIHR/IRSC),
External Reviewer

Swiss National Science Foundation, External Reviewer

Comisión Nacional de Investigación Científica y
Tecnológica (CONICYT), Ministerio de Educación,
Gobierno de Chile, Reviewer

British Lung Foundation, Reviewer

Advisory
Boards:

Acute Respiratory Illness Association for Infants and
Children, Inc. (A.R.I.A.); Board of Directors; 1997

Research in Allergy and Pulmonology Innovative
Development (R.A.P.I.D.); Advisory Board Chairman,
2000-01

Advisory Group for the American Thoracic Society's
International Conference Committee, 2000

American Thoracic Society Health Care Policy Committee,
2001

Merck Pediatric Asthma Advisory Board, 2003-2004

GlaxoSmithKline Pediatric Specialist Advisory Board, 2003

Altana Global Paediatric Advisory Board, 2004

Merck Pediatric Respiratory Advisory Board, 2005-2009

Schering-Plough Clinical Expert Forum, 2005

IVAX National Advisory Board, 2005

Critical Therapeutics 5-Lipoxygenase Advisory Board, 2006

National Environmental Education and Training
Foundation (N.E.E.T.F.), Children's Environmental Health
Faculty Champion, 2006

Schering-Plough Pulmonology Expert Advisory Board,
2007

Merck Global Respiratory Advisory Board, 2009-2011

International Center for Autism Research and Education
(I.C.A.R.E.), Steering Committee, 2014-2019

Boehringer-Ingelheim Pediatric Asthma Experts Advisory
Board, 2015

Athenahealth's Advisory Roundtable, 2017

American Board of Pediatrics, Pediatric Pulmonology
Standard Setting Panel, 2018

Teva Respiratory Advisory Board, 2018

Building Interdisciplinary Research Careers in Women's
Health (BIRCWH), Advisory Committee, 2020-present

Elly Health, Inc., Advisory Board, 2020-present

Beyond Air, Advisory Board, 2020-present

RESTORE Act Center of Excellence for Louisiana, Coastal
Protection and Restoration Authority, The Water Institute
of the Gulf, Executive Committee, 2020-present

Internal Steering Committee Member, Tulane University
COVID-19 Antibody and Immunity Network, 2020-present

Professional
Memberships:

American Thoracic Society (ATS); 1990-present

American Physiological Society (APS); 1992-present

American Academy of Pediatrics (AAP); 1992-present

American College of Chest Physicians (ACCP); 1994-
present

Association of Medical School Pediatric Department Chairs
(AMSPDC), 2006-2019

Children's Hospital Association (CHA; formerly National
Association of Children's hospital and related Institutions,
NACHRI), 2006-2019

American Association for Physician Leadership (AAPL),
2008-present

American Pediatric Society (APS), 2009-present

Society for Pediatric Research (SPR), 2009-present

Collegium Internationale Allergologicum (CIA), 2010-
present

Ohio Hospital Association (OHA), 2012-2019

The Academy of Medicine of Cleveland and Northern Ohio
(AMCNO), 2012-2019

American College of Healthcare Executives (ACHE), 2017-present

Association of Academic Health Centers (AAHC), 2019-present

American Heart Association (AHA), 2020-present

University Research Association (URA), 2020-present

Honors
& Awards:

Italian Research National Council Scholarship in Biomedical Research, 1988

Walter Travel Fund Award of the American Lung Association of San Francisco, 1989

University of California Tobacco-Related Disease Research Award, 1990.

American Lung Association of Florida Career Investigator Award, 1997

Fellow of the American College of Chest Physicians (F.C.C.P.), 1997

Asthma and Allergy Foundation of America Investigator Award, 1999

Jerry Elliott Memorial Lecturer, 9th Annual South Central Conference on Perinatal Research, Austin, TX, 2002

Fellow of the American Academy of Pediatrics (F.A.A.P.), 2003

Benjamin Burrows Lung Immunology Lecture, University

of Arizona/Arizona Respiratory Center, Tucson, AZ, 2003

America's Top Pediatricians, 2004-present

1st Visiting Professor of Pediatric Pulmonology, Medical University of South Carolina, Charleston, SC, 2004

3rd Pediatric Pulmonology Lectureship, University of Louisville, Louisville, KY, 2004

International Health Professional of the Year, International Biographical Centre, Cambridge, England, 2005

1st Wyeth Research Scholar, West Virginia University, Morgantown, WV, 2006

Frank P. Anderson Memorial Lecturer, Medical College of Georgia, Augusta, GA, 2007

Pfizer Visiting Professorship in Pulmonology, University of South Florida, Tampa, FL, 2008

Who's Who in America, 2009-present

Robert H. Schwartz Lectureship in the Genetics of Pediatric Disease, University of Rochester School of Medicine & Dentistry, Rochester, NY, 2009

The Steven and Nancy Calabrese Chair for Excellence in Pediatric Care, Research and Education, Cleveland Clinic Foundation, Cleveland, OH, 2012

Cleveland Top Doctors, Pediatric Pulmonology, Cleveland Magazine, 2016, 2017, 2018

Cleveland Clinic Innovator Award for "Biomarkers for Bronchopulmonary Dysplasia", Cleveland, OH, 2016

Gilbert Friday Memorial Lecture, Nemaclin International

Asthma Conference, Farmington, PA, 2017

The Leading Physicians of the World, The International Association for Healthcare Professional (IAHCP), 2017

Invited

Presentations:

1990

American Thoracic Society/American Lung Association
86th International Conference, Boston, MA

1991

Western Society of Clinical Investigation, Carmel, CA

1992

American Thoracic Society/American Lung Association
88th International Conference, Miami, FL

1993

66th Scientific Sessions of the American Heart Association,
Atlanta, GA

1995

Williamsburg Conference on Gene Therapy for Cystic
Fibrosis, Williamsburg, VA

9th Annual North American Cystic Fibrosis Conference,
Dallas, TX

University of Miami, "Asthma Management: Pathogenetic
and Therapeutic Implications of Airway Inflammation",
Miami, FL

1996

University of Miami, “Advanced Pediatric Resuscitation and Emergency Care Course”, Miami Beach, FL

American Lung Association, “Management of End-Stage Lung Disease”, Miami, FL

1997

“Masters of Pediatrics” Conference, Miami, FL

HOPE Worldwide Health Corps Conference, Kingston, Jamaica

11th North American Cystic Fibrosis Conference, Nashville, TN

1998

1st Interamerican Medicine Course, Miami Beach, FL

Pri-Med Conference, Primary Medicine Today, Ft. Lauderdale, FL (also 1999 and 2000)

22nd International Conference on the “Fetal” Neonate, Key Biscayne, FL

1999

“Masters of Pediatric Critical Care and Resuscitation” Conference, Miami Beach, FL

Pediatric Academic Societies Annual Meeting, San Francisco, CA

University of Miami/Jackson Memorial Hospital
Department of Family Medicine & Community Health
Grand Rounds, Miami, FL

“The Management of Respiratory Diseases in the New Millennium”, Palm Beach, FL

Washington University Asthma Conference/Pulmonary Grand Rounds, St. Louis, MO

Cardinal Glennon Children’s Hospital, Neonatology/Pulmonary Conference, St. Louis, MO

2000

The 2nd Annual Lynn P. Carmichael Family Medicine Update, Miami, FL

”Risk Factors for Childhood Asthma”, CME Course, Seabrook Island, SC

American Thoracic Society/American Lung Association/Canadian Lung Association 96th International Conference, Toronto, Ontario, Canada

Wolfson Children’s Hospital/Baptist St. Vincent’s Medical Center, Pediatric Grand Rounds, Jacksonville, FL

University of Florida Health Science Center, Pediatric Grand Rounds, Jacksonville, FL

University of Rochester/Children’s Hospital at Strong, Pediatric Grand Rounds, Rochester, NY

World Congress on Lung Health/10th European Respiratory Society Congress, Florence, Italy

”Advances in Prevention and Treatment of Respiratory Tract Infections: Advancing Standards of Care in the Premature Infant”; Paris, France

"RSV and RAD – Possibilities for Prevention?",
International Round-Table Meeting, Paris, France

University of South Florida, Visiting Professor, Tampa, FL

3rd Annual Update on RSV, Dallas, TX

Duke University/University of North Carolina, Visiting
Professor, NC

Abbott Neonatology Meetings, Rome, Italy (also 2001)

St. Mary's Medical Center, Pediatric Grand Rounds, West
Palm Beach, FL

2001

"Expert Opinions on the Challenge of RSV", The Royal
College of Physicians, London, United Kingdom

RSV Internasjonalt Symposium, Stockholm, Sweden and
Oslo, Norway

"Prevencion de la Infeccion por VRS" – Beneficios a corto y
largo plazo, Madrid, Spain

The 2nd Annual Pediatric Asthma and Respiratory Course,
University of Florida-Shands Health Science Center,
Jacksonville, FL

XXIII Reunion de la Sociedad Espanola de Neumologia
Pediatica, Tenerife, Spain

University of Illinois/Rush Presbyterian/St. Luke's
Hospitals, Pediatric Grand Rounds, Chicago, IL

VII Congress of the Italian Neonatology Society, Chieti,
Italy

4th Annual Update on RSV, Scottsdale, AZ

”Hot Topics in Neonatology”, Ascot, UK

SUNY Upstate Medical University, Visiting Professor,
Syracuse, NY

Walter Reed Army Medical Center/Bethesda Naval
Medical Center, Visiting Professor, Washington, DC

Georgetown University, Pediatric Grand Rounds,
Washington, DC

Medical College of Virginia, Pediatric Grand Rounds,
Richmond, VA

CHEST 2001, Chairman, Symposium on “Viral Infections
and Asthma: New Cellular and Molecular Links”,
Philadelphia, PA

Cincinnati Children’s Hospital, Visiting Professor,
Cincinnati, OH

”Bronchiolite e Asma nel Bambino”, Rome, Italy

2nd RSV Consultation Board, Yokohama, Japan

Ohio State University/Columbus Children’s Hospital,
Visiting Professor, Columbus, OH

41st Interscience Conference on Antimicrobial Agents and
Chemotherapy (ICAAC), Chicago, IL

2002

Pittsburgh Children’s Hospital/University of Pittsburgh,
Visiting Professor, Pittsburgh, PA

“Advanced Course in Neonatal Pulmonology”, Catholic University School of Medicine, Rome, Italy

”Preceptorships in Pediatric Pulmonology”, Course Director, Miami, FL

St. Joseph’s Children’s Hospital, Pediatric Grand Rounds, Paterson, NJ

American Thoracic Society 98th International Conference, Atlanta, GA

1st International Congress on RSV, Washington, DC

British Columbia Children’s Hospital, Pediatric Grand Rounds, Vancouver, BC, Canada

”Advances in Pediatric Medicine” Conference, Whistler, BC, Canada

University of California San Francisco, Pediatric Grand Rounds, San Francisco, CA

Lucille Packard Children’s Hospital/Stanford University, Visiting Professor, Palo Alto, CA

European Society for Paediatric Haematology and Immunology (ESPHI)/British Paediatric Allergy, Immunology and Infection Group (BPAIIG) Joint Congress, **Keynote Lecture**, London, UK

“International RSV Symposium: Berlin 2002”, Berlin, Germany

58th National Congress of the Italian Paediatric Society, **Keynote Lecture**, Montecatini Terme, Italy

9th Annual South Central Conference on Perinatal Research, Jerry Elliott Memorial Lecturer, Austin, TX

Johns Hopkins University / University of Maryland, Visiting Professor, Baltimore, MD

National Institutes of Health, Visiting Professor, Bethesda, MD

CHEST 2002, 4th ACCP Pediatric Pulmonology and Critical Care Fellows Conference, San Diego, CA

University of South Florida College of Medicine, Visiting Professor, Tampa, FL

35th Conference of the Japanese Society of Pediatric Pulmonology, *Keynote Lecture*, Chiba, Japan

Tokyo Women's Medical College, Visiting Professor, Tokyo, Japan

Visiting Professor/Lecturer, Germany Tour:

J. W. Goethe University, Frankfurt;

Ludwig Maximilian University, Munchen;

Elisabeth Krankenhaus, Oldenburg;

Universitäts Kinder und Jugendklinik, Rostock;

Medizinische Hochschule, Hannover

2003

University of Kentucky, Pediatric Grand Rounds, Lexington, KY

University of Louisville, Pediatric Grand Rounds, Louisville, KY

Kosair Children's Hospital Research Institute, Visiting Professor, Louisville, KY

Visiting Professor/Lecturer, Scandinavia Tour:
Queen Silvia Children's Hospital, Gothenburg, Sweden;
Universitetssjukhuset, Lund, Sweden;
Karolinska Children's Hospital, Stockholm, Sweden;
University of Helsinki, Finland;
University of Oslo, Norway

The Children's Hospital at Saint Peter's University
Hospital, Pediatric Grand Rounds, New Brunswick, NJ

6th Annual Meakins-Christie MUHC Research Institute
Workshop: "Asthma and COPD", St. Sauveur, Quebec,
Canada

The Montreal Children's Hospital at McGill University
Health Center, Pediatric Grand Rounds, Montreal, Quebec,
Canada

60th American Academy of Allergy, Asthma and
Immunology (AAAAI), Moderator, Workshop on
"Molecular Mechanisms of the Link between Respiratory
Viruses and Asthma", Denver, CO

University of Arizona/Arizona Respiratory Center,
Benjamin Burrows Lung Immunology Lecture, Tucson, AZ

5th National Congress of the Italian Society of Paediatric
Allergology and Immunology, *Keynote Lecture*, Riva del
Garda, Italy

Maimonides Medical Center, Pediatric Grand Rounds, New
York, NY

Children's Hospital of New Jersey at Newark Beth Israel
Medical Center, Pediatric Grand Rounds, Newark, NJ

American Thoracic Society 99th International Conference,

Chair, Symposium on “Viral Lower Respiratory Tract infection and Asthma”, Seattle, WA

Universite’ de Sherbrooke, Pediatric Grand Rounds, Sherbrooke, Quebec, Canada

Sante-Justine Children’s Hospital, Universite’ de Montreal, Pediatric Grand Rounds, Montreal, Quebec, Canada

7th National Congress of the Italian Society for Pediatric Respiratory Diseases, Rome, Italy

5th National Pediatric Update, Capo Rizzuto, Italy

Global Experts’ Meeting (GEM) on Paediatric Viral LRTI, Lisbon, Portugal

Saint Barnabas Medical Center, Pediatric Grand Rounds, Livingston, NJ

University of Manitoba, Winnipeg, Visiting Professor, Manitoba, Canada

9th Vanderbilt Symposium “Advances and Controversies in Neonatal Medicine”, Nashville, TN

CHEST 2003, Symposium on “The Pathophysiology of Respiratory Syncytial Virus Infections”, Orlando, FL

American Academy of Pediatrics National Conference and Exhibition, Section on Perinatal Pediatrics: “Chronic Illness in Survivors of Modern Neonatal Intensive Care”, New Orleans, LA

27th International Conference Neonatology 2003, Key Biscayne, FL

2004

European Academy of Allergy and Clinical Immunology (E.A.A.C.I.) Joint Meeting: “What Causes Allergy and Asthma? Early Postnatal Influences (Including BPD/CLD)”, Lisbon, Portugal

6th International Congress on Pediatric Pulmonology (CIPP VI): “Airway Remodeling – Inflammation”, Lisbon, Portugal

Children’s Hospital of New Jersey at Newark Beth Israel Medical Center, Pediatric Grand Rounds, Newark, NJ

Arnold Palmer Children’s Hospital, Pediatric Grand Rounds, Orlando, FL

”Celebration of Pediatric Pulmonology 2004”, Key Biscayne, FL

1st Visiting Professor of Pediatric Pulmonology, Medical University of South Carolina, Charleston, SC

Neonatal Pulmonology Course, Catholic University of Rome, Rome, Italy

University of Alberta, Visiting Professor, Edmonton, Alberta, Canada

Alberta Children’s Hospital, University of Calgary, Pediatric Grand Rounds, Calgary, Alberta, Canada

American Thoracic Society 100th International Conference, Chair, Symposia on “Bronchiolitis in Children: New Challenges, New Solutions” and “Animal Models of RSV”, Orlando, FL

TC Thompson Children’s Hospital/University of Tennessee, Pediatric Grand Rounds, Chattanooga, TN

3rd Pediatric Pulmonology Lectureship, University of
Louisville, Louisville, KY

The Hospital for Sick Children, University of Toronto,
Visiting Professor, Toronto, Ontario, Canada

12th Annual Educational Conference of the California
Society of Allergy, Asthma and Immunology, San Diego,
CA

University of South Florida College of Medicine,
Department of Medical Microbiology & Immunology,
Special Guest Seminar, Tampa, FL

University of Michigan, Ann Arbor / Children's Hospital of
Michigan, Detroit, Visiting Professor

“Global Experts’ Meeting on Respiratory Viruses”, St
Julian's, Malta

Asthma Congress for Pulmonologists, Mexico City, Mexico

Baystate Medical Center Children's Hospital, Pediatric
Grand Rounds, Springfield, MA

New York University School of Medicine, Pediatric Grand
Rounds and Visiting Professor, New York, NY

UMDNJ/Robert Wood Johnson Medical School, The
Children's Regional Hospital, Cooper Health System's
Pediatric Grand Rounds, Camden, NJ

American Academy of Pediatrics National Conference,
Satellite Symposium: “Sneezers and Wheezers: Exploring
the Link between Allergic Disease, Viral Infections, and
Asthma in Children”, San Francisco, CA

U.S. EPA/NIEHS Workshop: “Environmental Influences on

the Induction and Incidence of Asthma”, Research Triangle Park, NC

CHEST 2004, 6th ACCP Pediatric Pulmonology and Critical Care Fellows Conference, Seattle, WA

St. Joseph Children’s Hospital, Pediatric Grand Rounds and Visiting Professor, Paterson, NJ

The Children’s Hospital at Montefiore, Pediatric Grand Rounds and Visiting Professor, New York, NY

UMDNJ/New Jersey Medical School, Department of Pediatrics, Pediatric Grand Rounds, Newark, NJ

2005

The Saban Research Institute, Children’s Hospital of Los Angeles, Keck School of Medicine, University of Southern California, Los Angeles, CA

25th IPOKRATES Conference, New Frontiers in Neonatology, Innsbruck, Austria

33rd ATS/ALA/ACCP Annual Joint Conference, New Brunswick, NJ

Taiwan Pediatric Pulmonology Society Annual Conference, **Keynote Lecture**, Kauchung, Taiwan

Asia Pediatric Speakers’ Forum, Clinical Update on Management of Pediatric Asthma and Virus-induced Wheeze, Hong Kong

Asia Metaforum Consensus Conference on the Management of Pediatric Asthma and Allergic Rhinitis, Chinese University of Hong Kong, Hong Kong

Kwong Wah Hospital, Visiting Professor, Hong Kong

American Thoracic Society 101st International Conference,
Chair, Symposium on “Neurotrophic Factors:
Neuroimmune Mechanisms and Clinical Implications”, San
Diego, CA

World Equine Airways Symposium, Cornell University,
Ithaca, NY

West Virginia University, Pediatrics Grand Rounds,
Morgantown, WV

Washington University in St. Louis, Pulmonary Grand
Rounds, St. Louis, MO

Morristown Memorial/Goryeb Children’s Hospital,
Pediatrics Grand Rounds, Summit, NJ

XI Congreso Colombiano de Neumologia, **Keynote
Speaker**, Bogotá, Colombia

CHEST 2005, 7th ACCP Pediatric Pulmonology and Critical
Care Fellows Conference; Sessions Chair, “Where Does
Asthma Come From and Can It Be Prevented” and
“Exploring the Link Between Allergic Disease, Viral
Infections, and Asthma in Children”; Montreal, Quebec,
Canada

Saint Barnabas Medical Center/Children’s Hospital of New
Jersey at Newark Beth Israel Medical Center/St. Peter’s
University Children’s Hospital, Pediatrics Grand Rounds,
NJ

AHEC North Carolina Respiratory Forum 2005, Charlotte,
NC

IV Congreso Argentino de Neumología Pediátrica, Buenos Aires, Argentina

2006

62nd American Academy of Allergy, Asthma and Immunology (AAAAI), Symposium on “Initiation of Allergy and Asthma: Neural Development in the Lung”, Miami Beach, FL

Immunology of Infectious Diseases Symposium, UMDNJ International Center for Public Health, Newark, NJ

Latin American Speaker’s Forum on Inflammation in Human Airway: Biology, Diagnosis and Treatment, Sao Paulo, Brazil

American Thoracic Society 102nd International Conference, Moderator, Symposium on “Immunology/Inflammation: Animal Models”, San Diego, CA

7th International Congress on Pediatric Pulmonology (CIPP VII): “Virus-Induced Airway Remodeling”, Montreal, Quebec, Canada

VII Congreso Colombiano de Neumología y Asma Pediátrica, Bogota’, Colombia

4th Global Experts’ Meeting on Respiratory Viruses, Monte Carlo, Monaco

Children’s Hospital of Pittsburgh, Pediatrics Grand Rounds, Pittsburgh, PA

II Congreso Chileno y V Curso Internacional de Neumología Pediátrica, Santiago, Chile

“Pediatrics: Head to Toe” Conference, Farmington, PA

2007

University of Virginia, Pediatrics Grand Rounds,
Charlottesville, VA

National Advisory Board Addressing Smoking Risk, Dallas,
TX

Sociedad Puertorriquena de Pediatria Annual Convention,
San Juan, Puerto Rico

Duke University, Grand Rounds and Visiting Professor,
Durham, NC

International Symposium on the Pediatric Origins of Lung
Disease, Manitoba Institute of Child Health, Winnipeg,
Manitoba,

Canada Meakins-Christie Laboratories at McGill
University, Visiting Professor, Montreal, Quebec, Canada

American Thoracic Society 103rd International Conference,
Chair/Speaker, Symposia on “Modeling RSV Infection and
Host Response” and “Functional Aspects of Airway
Innervation”, San Francisco, CA

LXI Congreso Nacional de Immunologia Clinica y Alergia,
Cancun, Mexico

British Columbia Neonatal and Paediatric Conference,
Vancouver, BC, Canada

15th Annual Newborn & Pediatric Symposium, Kosair
Children’s Hospital, University of Louisville, Louisville, KY

9th ACCP Pediatric Pulmonology and Critical Care Fellows
Conference, Chicago, IL

CHEST 2007, Symposium on “RSV Infection in Early Life is a Risk Factor for Asthma and Allergies”, Chicago, IL

40th Congreso Chileno de Enfermedades Respiratorias, Temuco, Chile

VII Congreso de la Sociedad Latinoamericana de Neumonología Pediátrica (Solanepe)/XI Congreso Latinoamericano de Fibrosis Quística, Mar del Plata, Argentina

XI International Congress “The Children in Europe of Today and Tomorrow”, Aversa, Italy

Frank P. Anderson Memorial Lecturer, Department of Pediatrics, Medical College of Georgia, Augusta, GA

2008

11th Annual Meakins-Christie International Workshop on “Asthma and COPD”, Orford-Magog, Quebec, Canada

Miami Children’s Hospital, Grand Rounds Lecture, Miami, FL

64th American Academy of Allergy, Asthma and Immunology (AAAAI), Workshop on “Molecular Links: RSV and Asthma”, Philadelphia, PA

8th International Congress on Pediatric Pulmonology (CIPP VIII): “RSV and Airway Inflammation: Relationship to Asthma”, Nice, France

Rady Children’s Hospital, University of California San Diego, Pediatrics Grand Rounds Lecture, San Diego, CA

XVI National Meeting of Pediatric Allergy and Clinical

Immunology, Distinguished Professor, Puebla, Mexico

Oregon Health Science University, Pulmonary/Critical Care Grand Rounds, Portland, OR

Research Institute at Nationwide Children's Hospital, Child Health Research Center Seminar, Columbus, OH

Maimonides Infants & Children's Hospital, Grand Rounds Lecture, New York, NY

10th ACCP Pediatric Pulmonology and Critical Care Fellows Conference, Philadelphia, PA

American College of Allergy, Asthma and Immunology (ACAAI), Symposium on "Optimal Chronic Corticosteroid Use in Children", Seattle, WA

1st International Congress of the Union of European Neonatal and Perinatal Societies (UENPS), "Global Neonatology & Perinatology", Rome, Italy

XII International Congress "Problems in Pediatrics and Neonatology", Aversa, Italy

2009

Signature Interdisciplinary Program in Allergy, Immunology and Infectious Disease: "Advances in Chronic Infections and Inflammatory Diseases", University of South Florida, Tampa, FL

12th Annual Meakins-Christie International Workshop: Recent Advances in Asthma, Marrakech, Morocco

26th Annual Symposium of the Allergy, Asthma & Immunology Society of Ontario, Allergy Update 2009, Toronto, Canada

Texas Children's Hospital, Visiting Professor, Houston, TX

Johns Hopkins Harriett Lane Pediatric & Adolescent
Department / Asthma & Allergy Center, Visiting Professor,
Baltimore, MD

Children's Hospital of New Jersey / St. Joseph Children's
Hospital, Pediatric Grand Rounds, Newark/Paterson, NJ

Golisano Children's Hospital, Pediatric Grand Rounds,
Rochester, NY

Goryeb Children's Hospital, Pediatric Grand Rounds,
Morristown, NJ

University of Texas Medical Branch, Visiting Professor,
Galveston, TX

American College of Allergy, Asthma and Immunology
(ACAAI), Workshop on "Environmental Allergy Control",
Miami Beach, FL

Brenner Children's Hospital, Pediatric Grand Rounds,
Winston-Salem, NC

Wake Forest University, Center for Human Genomics and
Personalized Medicine, Visiting Professor, Winston-Salem,
NC

2010

13th Annual Meakins-Christie International Workshop:
Recent Advances in Allergy and Asthma, Bromont,
Quebec, Canada

Division of Allergy & Immunology, University of South
Florida, Visiting Professor, Tampa, FL

American Academy of Pediatrics, West Virginia Chapter
Spring Meeting, Morgantown, WV

28th Symposium of the Collegium Internationale
Allergologicum, Translational Science: From Basic to
Clinical Immunology and Allergy, Ischia, Italy

American Thoracic Society 106th International Conference,
Chair/Speaker, Symposia on “Mechanisms of Viral
Infections and H1N1 Influenza” and “Pediatric Year in
Review”, New Orleans, LA

University of Kentucky Children’s Hospital, Pediatric
Grand Rounds, Lexington, KY

Comer Children’s Hospital at the University of Chicago,
Visiting Professor, Chicago, IL

UCLA/USC/Kaiser Permanente Allergy/Immunology,
Visiting Professor, Los Angeles, CA

9th International Congress on Pediatric Pulmonology (CIPP
IX): Plenary Sessions on “Non-steroidal Therapeutic
Option for Wheezy Infant and Toddlers” and
“Neuroimmune Mechanisms Leading to Persistent
Wheezing”, Vienna, Austria

Lebanese Pediatric Society, Bridging the Gap between
Clinical Practice and Real Life in the Management of
Pediatric Asthma and Allergic Rhinitis, Beirut, Lebanon

Visiting Professor/Lecturer, Middle East Tour: Cairo,
Egypt; Amman, Jordan; Abu Dhabi/Dubai, United Arab
Emirates

International Conference on Internal Medicine, Critical
Care and Health Technology (INCOM 2010), Chennai,

India

University of Pittsburgh Medical Center, Department of
Medicine, Pulmonary/Critical Care Grand Rounds,
Pittsburgh, PA

2011

2nd I.P.A. International Meeting, Boston, MA

22nd Annual Respiratory Care Conference, Charleston Area
Medical Center, Charleston, WV

University of Louisville, Department of Medicine, Visiting
Professor, Louisville, KY

3rd Cross-Strait Paediatric Respiriology Congress and 14th
Hong Kong Society of Paediatric Respiriology Annual
Scientific Meeting, **Keynote Speaker**, Hong Kong

2nd Clinical Practice Guideline Recommendation for the
Use of Palivizumab for Prevention of Respiratory Syncytial
Virus Infections, **Keynote Speaker**, Kuala Lumpur,
Malaysia

2011 Northwest Allergy Forum, Oregon Society of Allergy,
Asthma, & Immunology, Portland, OR

University of South Florida, Signature Program in Allergy
Immunology and Infectious Diseases, Visiting Professor
and Lecturer, Tampa, FL

University of Pittsburgh, Department of Environmental
and Occupational Health, Visiting Professor and Lecturer,
Pittsburgh, PA

2012

15th Annual Meakins-Christie/McGill University International Workshop: Advances in the Pathogenesis of Asthma and COPD, Vaudreuil-Dorion, Quebec, Canada

68th American Academy of Allergy, Asthma and Immunology (AAAAI), Moderator, Pro/Con debate on “Rhinovirus is more important than RSV in asthma inception”, Orlando, FL

Cleveland Clinic Lerner Research Institute, Pathobiology Seminar, Cleveland, OH

7th Annual Update in Sino-Nasal Disorders and Allergy, Guest Lecturer, University of Pittsburgh, Pittsburgh, PA

2012 Asia Pacific Pediatric Forum, Advances in the Understanding and Management of Pediatric Airway Diseases, Taipei, Taiwan

Workshop on Pediatric Asthma Management, Ho Chi Minh City and Ha Noi City, Vietnam

“The Air We Breathe 2012”: A Regional Summit on Asthma and the Environment”, Allegheny General Hospital, Pittsburgh, PA

American Thoracic Society 108th International Conference, Chair/Speaker, Symposium on “Airway Responses to Respiratory Viral Infection”, San Francisco, CA

3rd I.P.A. International Meeting, New York, NY

2013

MetroHealth Medical Center, Department of Pediatrics, Pediatric Grand Rounds, Cleveland, OH

Israeli Society for Pediatric Pulmonology, **Keynote Speaker**, Beer-Sheva, Israel

Hadassah Hebrew University Hospital, Department of Pediatrics, Visiting Professor and Lecturer, Jerusalem, Israel

2013 Midwest Forum: U.S. Competitiveness at Risk, Cleveland, OH

Experimental Biology 2013, Speaker, Symposium on "*Neurotrophins in the Respiratory System*", Boston, MA

Pediatric Update 2013: Pediatric Pulmonology, Hillcrest Hospital, Cleveland, OH

"*The Air We Breathe 2013*": A Regional Summit on Asthma and Other Health Impacts of Air Pollution, Pittsburgh, PA

1st "Hospital of Tomorrow" Leadership Forum, Washington, DC

2nd Update on Asthma and COPD Management Conference, Jeddah, Saudi Arabia

2014

2014 Arab Health Congress/7th Middle East Paediatrics Conference, State of the Art Lecture: "*Environmental Origins of Asthma*", Dubai, UAE

Gulf Thoracic 2014 / 16th Annual Meakins-Christie/McGill University International Symposium on Asthma and COPD, Dubai, UAE

Exploring the Frontiers of Medicine Speaker Series, Cleveland Clinic Abu Dhabi, Abu Dhabi, UAE

5th Annual Pediatric Asthma Conference, Nationwide
Children's Hospital, Columbus, OH

"The Air We Breathe 2014": A Regional Summit on Asthma
in our Community, Pittsburgh, PA

Ohio Society for Allergy, Asthma, and Immunology Annual
Meeting, Columbus, OH

Midwest Society for Pediatric Research, **State-of-the-Art
Speaker**: *"Developmental Aspects of RSV Infection"*,
Cleveland, OH

"MilanoPediatria 2014", **Keynote Speaker**: *"Genetic and
Environmental Influences on Fetal Programming of the
Respiratory Tract and Pathogenesis of Asthma"*, Milano,
Italy

2015

2015 Arab Health Congress/8th Middle East Paediatrics
Conference, **State of the Art Lecture**: *"RSV Infections"*,
Dubai, UAE

17th Annual Meakins-Christie/McGill University
International Workshop: *Asthma and COPD*, Bromont,
Quebec, Canada

Pediatric Innovation Forum, Global Center for Health
Innovation: *"Enterovirus D68 – A New Enterovirus?"*,
Cleveland, OH

42nd Annual Meeting of the Louisiana Society of Allergy,
Asthma & Immunology, **Keynote Speaker**, New Orleans,
LA

17th Better Health Learning Collaborative Summit:
"Reaching Beyond the Walls of Primary Care to Improve

Population Health", MetroHealth Medical Center,
Cleveland, OH

16th National Meeting of Genetics, Immunology, and
Translational Pediatrics, **Keynote Speaker**, University of
Messina, Messina, Italy

2016

2016 Arab Health Congress/9th Middle East Paediatrics
Conference, **State of the Art Lecture**: "*Obesity, Diabetes
and Asthma*", Dubai, UAE

Rush University Medical Center/Rush Children's Hospital,
Pediatric Grand Rounds and Visiting Professor, Chicago, IL

Association of Medical School Pediatric Department Chairs
(AMSPDC): "*Precision Medicine*", Savannah, GA

18th Annual Meakins-Christie/McGill University
International Workshop: Asthma and COPD, Montreal,
Quebec, Canada

31st Symposium of the Collegium Internationale
Allergologicum, *Towards Precision Diagnosis and Targeted
Intervention in Allergic Disease*, Charleston, SC

Center for Strategic & International Studies, Global Health
Policy Center, CSIS Task Force on Women and Family
Health, Washington, DC

Duke-Margolis Center for Health Policy, *Advancing Drug
Development for the Prevention and Treatment of
Respiratory Syncytial Virus Infections*, Washington, DC

15th International Congress on Pediatric Pulmonology
(CIPP XV): Plenary Sessions on: "*Preventing Severe RSV
Infections and Bronchiolitis*" and "*Trans-placental*

Transmission of RSV”, Naples, Italy

Ochsner Medical Center Children’s Hospital, Pediatric Grand Rounds and Visiting Professor, New Orleans, LA

Tulane Medical Center, Ob-Gyn Grand Rounds and Visiting Professor, New Orleans, LA

1st State-of-the-Art Reviews in Neonatal-Perinatal Medicine, MetroHealth Medical Center/Case Western Reserve University, Global Center for Health Innovation, Cleveland, OH

American Medical Student Association (AMSA) Conference, **Keynote Speaker**: “*Fetal Programming by Exposure to Environmental Agents in Utero*”, hosted by CUNY School of Medicine, New York, NY

2017

2017 Arab Health Congress/10th Middle East Paediatrics Conference, **State of the Art Lecture**: “*Obesity-Asthma Link*”, Dubai, UAE

Maimonides Infants & Children’s Hospital, Pediatric Grand Rounds, New York, NY

Athenahealth’s Advisory Roundtable, “*Population Health: Achieving the Quadruple Aim with an Integrated Platform*”, Naples, FL

8th Annual Meeting Becker’s Hospital Review, Chicago, IL

2017 Global Employer Summit, Panel: “*International Talent as a Regional Economic Driver*”, Cleveland, OH

2017 Pennsylvania Allergy & Asthma Association Annual Meeting, **Keynote Speaker**, Hershey, PA

2017 Healthcare Providers Transformation Assembly:
Workshop on “*Building a Program that Fosters Excellence in Healthcare*” and **Keynote Panel** on “*The Evolution of Data Analytics and Transformation of Population Health*”,
Dallas, TX

2018

2018 Arab Health Congress/11th Middle East Paediatrics
Conference, “*Development of Biomarkers for Neonatal and Paediatric Respiratory Diseases*”, Dubai, UAE

2018 Advanced Diagnostic Bronchoscopy Workshop,
“*Pediatric Bronchoscopy*”, Fort Lauderdale, FL

9th Annual Meeting Becker’s Hospital Review, Panel
Discussion on: “*Excelling as a Specialty Hospital*”, Chicago,
IL

2018 Healthcare Providers Transformation Assembly,
Keynote Panel on “*Population Health: Personalized
Medicine to Benefit the Masses*”, Tucson, AZ

114th International Conference of the American Thoracic
Society, Carole L. Marcus Memorial on Advances in
Pediatric Sleep Medicine: “*Neurotrophin Overexpression in
Serum of Neonates as a Predictor of Apnea of Prematurity
and Associate Events’ Frequency of Occurrence*”, San Diego,
CA

2nd Internet of Health, Panel on “*How Healthcare
Organizations can Navigate (and Make the Most of) Digital
Disruption*”, Boston, MA

6th Annual HealthIMPACT Midwest, “*Disrupting Delivery
without Disrupting Care to Improve Provider Performance
and the Patient Experience*”, Columbus, OH

7th Annual CEO + CFO Roundtable, Becker's Hospital Review, Panel Discussion on: "*Telehealth and Leadership*", Chicago, IL

2019

St. Joseph Children's Hospital, Pediatric Grand Rounds: "*Digital Transformation in Pediatric Care*", Paterson, NJ

10th Annual Meeting Becker's Hospital Review, Panel Discussion on: "*Key Thoughts on Developing a Digital and Telehealth Strategy*", Chicago, IL

Stanford Medicine Clinical Excellence Research Center, "*Reducing the Cost of Great Care: Pathways to Value*", Chicago, IL

115th International Conference of the American Thoracic Society, Viral Infection in Early Childhood: "*Respiratory Syncytial Virus Displays Tropism for Human Placental Macrophage Cells In Vitro*", Dallas, TX

8th Annual CEO + CFO Roundtable, Becker's Hospital Review, Panel Discussions on: "*The Best Initiative and Change We Made in the Last Year and How We Did It*" and "*Telehealth and Leadership*", Chicago, IL

Healthcare Providers Transformation Assembly: **Keynote Panel** on "*Social Determinants in Healthcare*" and Session Speaker on "*Leveraging Digital Transformation to Treat patients Along the Continuum of Care*", Denver, CO

2020

University Research Association, Council of Presidents, Annual Meeting and Policy Forum, Washington, DC

Association of American University (AAU) Senior Research Officers' Virtual Meeting: Restoring Research Activity Impacted by COVID-19

Children's Hospital of New Orleans, Pediatric Grand Rounds: "*Digital Transformation in Pediatric Care*", virtual

2021

Committee of 100 (C100) Louisiana, Louisiana Business Roundtable, "*Innovation and Impact of Louisiana Research*", virtual

Tulane University Department of Biochemistry and Molecular Biology Seminar Series: "*Developmental Origins of Lung Disease*", virtual

University Research Association, Council of Presidents, Annual Meeting and Policy Forum, virtual

First Virtual International Asthma Conference at Nemacon: "*Symposium on COVID-19*", virtual

Tulane Clinical Neuroscience Research Center: "*Developmental Origins of Chronic Lung Disease*", virtual

21th National Meeting on Genetics, Immunology, and Pediatric Emergency Care, "*The Feto-Placental Unit: A New Target for the Primary Prevention of Asthma*", virtual

Conference

Director:

"Masters of Pediatrics", Pulmonary Satellite Conference, Miami, FL, 1998, 1999, 2000, 2001.

Gwendolyn Hogan Pediatric Fall Fest, Morgantown, WV, 2006, 2007, 2008, 2009, 2010, 2011.

Nemacolin Asthma Conference – A Comprehensive Clinical and Research Review, (Conference Co-Founder)
Nemacolin Woodlands Resort, Farmington, PA, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021.

Cleveland Clinic Obesity Summit, Cleveland, OH, 2012, 2013, 2014, 2015, 2016, 2017.

Perspectives in Pediatrics International Conference: From Theory to Practice, Global Center for Health Innovation, Cleveland, OH, 2014.

Pediatric Innovation Forum, Global Center for Health Innovation, Cleveland, OH, 2015.

Arab Health Congress/Middle East Paediatrics Conference, Dubai International Convention & Exhibition Centre, Dubai, UAE, 2015, 2016, 2017, 2018.

TEACHING

Teaching

Awards:

Dean's Certificate of Gratitude for Exceptional Teaching,
University of Miami/Jackson Memorial Medical Center,
1996

Teacher of the Year Award, Pediatric Pulmonology
Division, University of Miami/Jackson Memorial Medical
Center, 2000

Courses

Taught:

Postgraduate Course in Pediatric Flexible Bronchoscopy,
University of North Carolina Chapel Hill

Cystic Fibrosis CME Course, Baptist Hospital of Miami

Pediatric Pulmonology Module, University of Miami
School of Medicine

Obstructive Airway Disease, University of Miami School of
Medicine

Mechanisms of Disease: Cystic Fibrosis, University of
Miami School of Medicine

Asthma Module, University of Miami School of Medicine
(Department of Cellular and Molecular Pharmacology)

Medical School 101, University of Miami School of
Medicine

Biomedical Engineering (BME 501) Course, University of
Miami School of Medicine

Eastern Student Research Forum, University of Miami

School of Medicine

Advanced Physiology – Pulmonary Module (Physiology 791), West Virginia University School of Medicine

Cardiology/Respiratory Course, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

Advanced Virology Course, Tulane University School of Medicine

Trainees:**Post-Doctoral Clinical Fellows**

Maria Barrueco, MD, USA, 1995-97

Nils L. Holmgren, MD, Chile, 1996-99

Pablo J. Bertrand, MD, Chile, 1997-00

Galia Napchan, MD, Argentina, 1998-02

Alexander Auais, MD, USA, 1999-2002

Carlos Sabogal, MD, Peru, 2000-2003

Eehab Kenawy, MD, USA, 2002-2003

Wendy C. Estrellado, MD, Philippines, 2002-2003

Fernando Urrego, MD, USA, 2003-2006

Lida Mohtasham, MD, Iran, 2003-2006

Silvia Cardenas, MD, Peru, 2003-2006

Post-Doctoral Research Fellows

Chengping Hu, MD, China, 1999-2001

Katrin Wedde-Beer, MD, Germany, 1999-2001

Alexander Auais, MD, USA, 2002-2003

Gabriele Renzetti, MD, Italy, 2003-2005

Federico Laham, MD, USA, 2005

Salvatore Barberi, MD, Italy, 2006

Fariba Rezaee, MD, Iran, 2006-2008

Sreekumar Othumpangat, PhD, India, 2007-2009

Pamela Hilvers, MD, USA, 2009-2011

Allison Ardito, MD, USA, 2010-2011

Stephanie Grayson, MD, USA, 2010-2012

Sreeparna Chakraborty, PhD, India, 2010-2012

Rafka Chaiban, MD, Lebanon, 2011-2012

Thomas Sweet, PhD, USA, 2013-2014

Dana Schneeberger, PhD, USA, 2013-2015

Terri Harford, PhD, USA, 2013-2019

Fouseena Pazheri, MD, India, 2014-2015

Sara Manti, MD, Italy, 2015-2016

Paul Brown, PhD, USA, 2015-2016

Abdelmadjid Belkadi, PhD, Morocco, 2015-2017

Ghaith Altawallbeh, PhD, Jordan, 2016-2017

Caroline Smallcombe, PhD, United Kingdom, 2017-2019

Srushti Desai, MD, India, 2020-present

Pre-Doctoral Research

Emily Murphy, USA, 2006-2007

Maret Bernard, USA, 2006-2008

Sarah Jordan-Crowe, USA, 2014-2015

Samantha Simpson, USA, 2015-2016

Deborah Linfield, USA, 2016-2017

Stephen Medearis, USA, 2019-2021

Mark Gebara, USA, 2019-2021

Ryan Brown, USA, 2021-

Lily Baer, USA, 2021-

Ph.D. Dissertation Committees

Ha M. Truong (Microbiology & Immunology), 2001-2004,
Miller School of Medicine at the University of Miami,
Miami, FL

Homero G. San Juan-Vergara, MD (Microbiology & Immunology), 2004 (Examination Chairman), University of South Florida, Tampa, FL

Eric J. Zaccone (Basic Pharmaceutical Sciences), 2009-2011, West Virginia University, Morgantown, WV

Michael J. Shimko (Basic Pharmaceutical Sciences), 2009-2011, West Virginia University, Morgantown, WV

Kenneth DiPasquale (Basic Pharmaceutical Sciences), 2012 (Committee Chair), West Virginia University, Morgantown, WV

Sara Manti (Pediatric Specialty), 2016, University of Messina School of Medicine, Messina, Italy

Promotion Committees

Ad Hoc Committee of Evaluators Considering Appointment as Professor, Department of Anesthesia, Harvard Medical School, Boston, MA, 2014

Mentorship Programs

AMSPDC New Chairs Mentoring Program, Mentee: Dr. Anna Spagnoli, Professor & Chair of Pediatrics, Rush University Medical Center, Chicago, IL, 2015

SERVICE**University of Miami 1995-2006:**

Faculty Senate Representative (At Large), 1999-2002

School of Medicine Council Representative, 1999-2002

Undergraduate Medical Curriculum Committee, 1999-2001

Chair of the School of Medicine Dean's Task Force for Faculty Development, 2000-2002

Medical Group Governing Board, 2000-2002

Liaison Committee on Medical Education, Committee on Faculty Affairs, Subcommittee on Professional Growth and Development, 2001-2002

School of Medicine Advisory Committee for Faculty Development of Women and Minority Faculty, 2002

Search Committee, Chairman Department of Cell Biology and Anatomy, 2002

West Virginia University 2006-2012:

School of Medicine Council of Chairs, 2006-2012

School of Medicine Scientific Advisory Council, 2006-2012

Children's Hospital Leadership Committee, 2006-2012

School of Medicine Chairs and Center Directors Advisory Council, 2006-2012

School of Medicine Research Investment Committee, 2008-2009

School of Medicine Faculty Incentive Committee, 2008-2009

State of West Virginia; Department of Health and Human Resources, Bureau for Public Health, Office of Maternal, Child and Family Health; Maternal Mortality Advisory Committee, 2008-2012

Clinical and Translational Science Institute Steering Committee, 2009

Healthcare Strategic Planning Steering Committee, 2010-2011

Search Committee, Chairman Department of Translational Research, 2011-2012

Cleveland Clinic Foundation, 2012-2019:

Council of Institute Chairs, 2012-2017

Board of Trustees, 2012-2017

Children's Hospital for Rehabilitation, Board of Trustees, 2013-2017

Children's Hospital for Rehabilitation, Executive Committee, 2013-2017

Policy Strategy and Implementation Task Force, 2013-2014

Office of Professional Staff Affairs Advisory Council, 2013-2014

Cost Repositioning Task Force, 2014

Clinical Enterprise Strategy Conference, 2014-2017

Eastern Regional Governance Council, 2015-2016

Population Management Steering Committee, 2015-2017

Access Executive Team, 2015-2017

“The Power of Every One” Centennial Capital Campaign
Cabinet Member, 2014-2019

International Advisory Board, 2015-2019

Tulane University, 2019-present:

Chair, Health Sciences Leadership Committee, 2019-present

Chair, University Senate Standing Committee on Research,
2019-present

Association of American Universities (AAU) Senior
Research Officers (SROs) Constituent Group, 2019-present

Board of Regents Advisory Committee for the Advancement
of Research in Louisiana (ACARL), 2019-present

Louisiana Board of Regents Established Program to
Stimulate Competitive Research (EPSCoR) Committee,
2019-present

Emergency Preparedness Action Committee (EPAC), 2019-
present

Chair, University Institutional Conflict of Interest (ICOI)
Committee, 2019-present

University Administrative Council, 2019-present

School of Medicine Leadership Committee, 2019-present

Chair, Tulane Research Council (TRC), 2020-present

Co-Chair, Scholarly Communications Task Force, 2020-present

Tulane Institute for Physician Scientists (TIPS) Advisory Board, 2020-present

MENTIONS IN THE MEDIA

- **Respiratory Syncytial Virus Hijacks Lung Cells to Stay Alive.** August 27, 2009; *RT Magazine*.
- **Ex-Lawmaker's Gift to Fund Diabetes Work.** April 13, 2011; *The Charleston Gazette-Mail*.
- **WVU Health Sciences Adds Research, New School.** Jul 31, 2011; *The Associated Press; The Charleston Gazette-Mail*.
- **State Briefs: WVU Official Gets Cleveland Clinic Job.** May 3, 2012; *The Associated Press; The Charleston Gazette-Mail*.
- **RSV Can Be Transferred to Infants in utero.** May 1, 2013; *RT Magazine*.
- **Going Places. Cleveland Clinic Children's Hospital: Giovanni Piedimonte, M.D. Appointed to Chairman, Pediatric Institute, And Physician-In-Chief.** May 20, 2012; *Crain's Cleveland Business*.
- **Cleveland Clinic Children's Hospital Research Suggests Transmission of Respiratory Viruses in Utero.** April 19, 2013; *ScienceDaily.com*.
- **Pediatric Research Gets Boost from New Bills Passed this Week by U.S. Congress.** November 14, 2013; *Cleveland Live*.
- **Third Annual Regional Summit Examines Causes, Impact of Pittsburgh's Asthma Epidemic.** April 29, 2014; *PRWeb*.
- **The United States Needs Doctors, and Immigration Reform Can Help: Giovanni Piedimonte (Opinion).** September 22, 2014; *Cleveland.com*.
- **As Hospitals Combat Enterovirus Outbreaks, Patients and Families Turn to Virtual Visits with CaringBridge.** September 29, 2014; *Bio-Medicine; Review Seeker; Tutorial Finder; PRWeb; Street Sweeper; Franklin Credit Management Corporation; SearchBug; MoneyShow.com; Pettinga Financial Advisors; Reliance Trust; BioSpace; Wall Street Select; Financial Content; Town Hall;*

EMoneyDaily (United Kingdom); RCL Advisors; CEOWorld Magazine; Fat Pitch Financials; Industrial Info Financials; Wall Street Business Network; Crawford Financial Planning; Market Pulse Navigator; Tamar Securities; Financial Content; CBS Detroit; Ask.com; CW Atlanta; Good Day Sacramento; CW 50 Detroit; WGNT; Myrtle Beach Sun News; Stock Nod; The CW44 Tampa Bay.

- **Cleveland Clinic Opens Brunswick Rehab Facility.** September 29, 2014; *Medina County Gazette (United States).*
- **World Experts to Share the Latest Pediatric Rehabilitation Techniques.** October 7, 2015; *Cleveland Clinic: Consult QD.*
- **Can Eating Too Much Fat in Pregnancy Harm Your Baby?** November 19, 2015; *Fit Pregnancy.*
- **Upgrade Your Pregnancy Cravings: Why Balanced Snacking is More Important than Ever.** November 22, 2015; *Fit Pregnancy.*
- **Protecting Your Kids from RSV.** December 22, 2015; *WJHG-TV.*
- **Prescribing Immigration Reform for a Healthy Economy: Giovanni Piedimonte (Opinion).** April 14, 2016; *Cleveland.com.*
- **Cleveland Clinic Children's Ranked Among the Nation's Best Children's Hospitals by U.S. News & World Report.** June 21, 2016; *Cleveland Clinic Newsroom.*
- **Hospitals' Goal: Healthy and Happy Kids.** July 6, 2016; *US News & World Report.*
- **Once Again, Cleveland Clinic Children's Ranks Among the Best of the Best.** July 15, 2016; *Cleveland Clinic: Consult QD.*
- **Cleveland, like Toledo, Looks for Ways to Prevent Lead Poisoning in Kids.** August 27, 2016; *Cleveland.com.*
- **This Virus Mimics a Cold, but Can Be Much More Dangerous.** January 5, 2017; *Cleveland Clinic Health.*
- **Pregnant Moms Can Transmit RSV to Unborn Child, Alter Immunity.** February 8, 2017; *RT Magazine.*

- **Prenatal Exposure to Respiratory Syncytial Virus Found to Alter Postnatal Immunity.** April 11, 2017; *Cleveland Clinic: Consult QD.*
- **A Letter to Congress and The White House from the Nation's Children's Hospitals.** April 23, 2017; *The New York Times.*
- **27th Annual Cleveland Clinic Children's Gala Nets \$1.2 Million to Support Pediatric Research.** May 11, 2017; *Cleveland Clinic Newsroom.*
- **Cleveland Clinic, Rainbow on U.S. News' Best Children's Hospitals Rankings.** June 27, 2017; *Cleveland.com.*
- **Cleveland Clinic Children's Ranked Among the Nation's Best Children's Hospitals by U.S. News & World Report.** June 27, 2017; *Cleveland Clinic: Consult QD.*
- **How Cleveland Clinic Children's New Home Will Improve Care for the Youngest Patients.** July 5, 2017; *Cleveland Clinic: Consult QD.*
- **How to Prevent Back-to-School Asthma Attacks.** September 18, 2017; *WRAL-TV (United States).*
- **Groundbreaking Study Shows Important Functional Differences in Calcium Transport Molecule.** October 2, 2017; *Cleveland Clinic: Consult QD.*
- **Children Without Allergies Can Still Be Afflicted with Asthma-Like Coughing and Wheezing.** October 2, 2017; *ScienceDaily.com.*
- **Protein Responsible for Asthma-like Coughing, Wheezing in Children without Allergies.** October 4, 2017; *RT Magazine.*
- **Colds Help Build a Child's Immune System.** October 5, 2017; *WPVI-TV Philadelphia.*
- **How Do Viruses Trigger Cough in Asthmatic Children, Even Without Allergies.** October 6, 2017; *MedicalResearch.com.*

- **Three Candidates Seeking UAMS Chancellor Post.** October 12, 2017; *Arkansas Democrat-Gazette*.
- **Three Candidates in the Running to be UAMS Chancellor.** October 12, 2017; *North West Arkansas Times*; *Arkansas Online*; *MedicalHealthNews.net*.
- **Becker's 9th Annual Meeting Speaker Series: 3 questions with Cleveland Clinic Pediatric Institute's Chairman and Physician-in-Chief, Giovanni Piedimonte, MD.** December 1, 2017; *Becker's Hospital Review*; *MedicalHealthNews.net*.
- **32 Healthcare Leaders Describe Their Last Trip to the Hospital.** March 16, 2018; *Becker's Hospital Review*; *MedicalHealthNews.net*.
- **"I see in healthcare a dearth of truly transformational leaders," says Dr. Giovanni Piedimonte, Chief of Global Pediatric Research Operations at Cleveland Clinic Foundation.** June 6, 2018; *Becker's Hospital Review*.
- **Can Eating Too Much Fat in Pregnancy Harm Your Baby?** February 14, 2019; *Parents*; *Yahoo! Finance*.
- **Becker's 10th Annual Meeting Speaker Series: 3 Questions with Giovanni Piedimonte, Chief Global Pediatric Research Operations for Cleveland Clinic Foundation.** February 21, 2019; *Becker's Hospital Review*.
- **Air pollution packs on pounds.** May 1, 2019; *WKYC3.com*.
- **Cleveland Clinic Children's Hospital Leader Is Tulane's New Vice President for Research.** July 5, 2019; *Newswise*; *MedicalHealthNews.net*; *New Orleans CityBusiness*; *States News Service*.
- **Tulane Unveils New \$55 Million Dining Hall, Its Biggest Project Since Yulman Stadium.** August 25, 2019; *Times Picayune*; *NOLA.com*.

- **Donors Give \$2 Million To Help Tulane Faculty More Aggressively Compete for Research Dollars.** October 22, 2019; *States News Service*.
- **United States: Common Cold Virus May Cross Placenta, Infect Fetus.** December 2, 2019; *Devdiscourse*; *Outlook India*; *Business Standard India*; *Dailyhunt*; *India.com*.
- **Common Cold Virus can Infect the Placenta.** December 3, 2019; *MedIndia*.
- **News for expecting mothers: Common Cold Virus May Cross Placenta, Infect Your Baby.** December 3, 2019; *Financial Express*; *Yahoo! India*.
- **Common Cold Virus May Cross Placenta, Infect Fetus.** December 3, 2019; *The Freepress Journal*.
- **Can the Common Cold Infect the Unborn? Tulane Research Suggest That It May.** December 3, 2019; *Outbreak News Today*.
- **A Common Cold Virus Can Infect Cells Derived from Human Placentas, According to a New Study.** December 3, 2019; *Futurity*.
- **Common Cold Virus Can Affect Placenta to Affect the Baby.** December 3, 2019; *NewsBricks.com*.
- **Study Refutes “Sterile Womb Dogma”: How the Cold Virus Can Spread to Fetus from Mother.** December 4, 2019; *MedicalResearch.com*.
- **Expectant Mothers Can Pass Common-Cold Virus to Unborn Child.** December 4, 2019; *WorldNetDaily*.
- **Study Finds Common Cold Virus Can Infect the Placenta.** December 4, 2019; *ReachMD*.
- **A Mother Can Spread A Cold to The Fetus Through the Placenta.** December 29, 2019; *CE Noticias Financieras*.

- **3 Hospital Execs on The Best Change They Made In 2019;** January 16, 2020; *Becker's Hospital Review*.
- **The Future of Telehealth: 2 Hospital Execs Share Their predictions.** January 31, 2020; *Becker's Hospital Review*.
- **Can Tulane University's Monkeys Help the Global Fight Against the Coronavirus?** April 06, 2020; *Public Radio International*.
- **Tulane University Launches LabArchives for Researchers.** September 12, 2020; *Targeted News Service*.
- **"The Boss"** (<https://rxforsuccesspodcast.com/the-boss-giovanni-piedimonte-md-faap-fccp/>). November 23, 2020; *Rx for Success Podcast*.
- **COVID, The Revolution of Salivary Tests.** December 23, 2020; *La Repubblica*.
- **Tulane Launches Multidisciplinary Centers of Excellence Aimed at Complex Research Challenges.** February 10, 2021; *Tulane News*.
- **Tulane Launches Three New Research Centers to Combat Coronavirus, Future Infectious Disease.** February 16, 2021; *The Times-Picayune; Nola.com; The New Orleans Advocate*.
- **Tulane Libraries Announce New Agreement to Broaden Access to Published Research.** February 24, 2021; *Tulane News*.

Giovanni Piedimonte, MD, FAAP, FCCP

Executive Leadership Summary

Managerial Experience: >25 years

Time in Current Job: 20 months

1. Vice President for Research and Institutional Official, Tulane University (2019-present)

The Office of Research is responsible for enhancing Tulane's research mission across all fields, including the humanities, biomedical and population health, environmental sciences, and more. All of our service units – Biosafety, Comparative Medicine, Compliance and Research Integrity, Human Research Protection, Institutional Animal Care and Use, Research Proposal Development, Sponsored Projects Administration, Technology Transfer, and Intellectual Property Development – participate in critical aspects of research operations at the university level.

Major Strategic or Operational Accomplishments:

- University-wide research funding from all sponsors for fiscal year 2020 increased 14% over the prior fiscal year (**best year in history for Tulane research funding**).
- Funding from federal agencies increased 19% over the same period.
- University-wide grant submission increased 10% (12% federal) over the previous year.
- Indirect costs increased 15%.
- Tulane's COVID-19 research generated >200 projects and \$120M in grant applications, with >\$30M already awarded.
- Completed new BSL-3 facility for rodent COVID-19 models.
- Expanded (tripled capacity) and updated rodent vivarium.
- Established the COVID-19 Biobank and Library at Tulane (CoBALT).
- Launched the Grant Lifecycle Management (GLM) initiative, a fully digital, paperless platform driving efficiency and throughput for all research operations.
- Implemented the LabArchives Electronic Lab Notebook (ELN) system to allow scientists working on multiple platforms and devices to share data and knowledge in real-time.
- Launched the Life Science e-Clinical Platform to store and manage large amount of complex trial data using advanced analytics.
- Completed the conversion of all research paper documents into searchable digital files.
- Expanded the Office of Research Proposal Development (ORPD) providing logistic, budget, and statistical support for large center grants.
- Formed the new Tulane Research Council (TRC), whose membership includes the Vice-Deans for Research from all schools.
- Started the new Tulane Centers of Research Excellence Program to promote and support multi-disciplinary teams working on convergence research.

2. Chairman, Cleveland Clinic Children's (2012-2019)

Combined budgetary responsibilities

- Managed 414 beds in four acute care hospitals, one post-acute specialty hospital, and more than 40 outpatient clinic locations.
- Service Line Operating budget of \$280 million.
- Service Line margin grown by 84%.
- Managed more than 680,000 annual outpatient visits.
- Led Clinical Operations, Quality & Safety, Patient Experience, Staff Recruitment and Education for the entire Children's Hospital System.

Service Line Financials					
	2012	2013	2014	2015	2016
Gross Revenue	\$ 366,940,539	\$ 461,301,722	\$ 559,510,670	\$ 609,251,171	\$ 643,301,096
Net Revenue	\$ 150,854,731	\$ 193,832,617	\$ 225,319,322	\$ 245,904,065	\$ 261,152,550
Direct Cost	\$ 96,250,287	\$ 123,125,407	\$ 142,958,650	\$ 153,024,481	\$ 160,580,032
Contribution Margin	\$ 54,604,444	\$ 70,707,194	\$ 82,360,673	\$ 92,879,584	\$ 100,572,518

Number and Positions of Employees

Cleveland Clinic Children's Caregivers	
Staff MD's	360
Fellows	37
Residents	39
Pediatric RN's	900
Advanced Practice Providers	103
Therapists	150
Administrative and other	62
TOTAL	1,651

A. Chairman, Cleveland Clinic Pediatric Institute

Budgetary Responsibilities: Pediatric Institute only

- Managed annual operating budget of \$99 million.
- Supervised 18 Departments and Centers.
- Managed Institute treasury funds and endowments totaling \$16.3M.
- Directed research activities with funding over \$8.9M.

Major Strategic and Operational Accomplishments:

- Medicaid Expansion: Successfully launched expansion of Pediatric Primary Care at more than 40 regional sites across NE Ohio:
 - Total additional new encounters: 18,000/yr.
 - New unique patients coming into system: 15,000

- MetroHealth Medical Center Partnership: Signed a five-year contract with MetroHealth to provide Pediatric GI, Hematology Oncology, Urology, Radiology, Orthopedics, and Genetic clinical services. This agreement also created a partnership between Cleveland Clinic Children's, MetroHealth, and Akron Children's Hospital to provide top pediatric care to NE Ohio children and generate care-paths and quality standards to be used across a healthcare network serving children in Cuyahoga County.
- Quality and Patient Safety
 - Improved access, quality, safety, and overall patient satisfaction across pediatric network:
 - Average wait new outpatient appointments = 2 days.
 - Readmission rate (all cause 30-day) = 3.5%.
 - Zero CLABSI/CAUTI/VAP reported since 2014 from all 3 Neonatal ICUs.
 - Zero Serious Safety Events throughout system since October 2013.
 - Established Family Engagement Committee including family members of past and current patients along with caregivers.
- Academic
 - Board pass rate above national average in all pediatric specialties.
 - Teaching scores >4 out of 5 in all pediatric specialties.
 - Doubled total research expenditures.
 - Doubled pediatric NIH/Federal research funding.
 - Doubled overall professional development funding.
 - Increased funded research as a percentage of total research from 22% to 64% (average for CCF enterprise = 35%).
 - According to Web of Science data, in 2015 Cleveland Clinic Pediatric Institute's publications performed 3 times better than average for pediatrics journals.
 - Founded the Cleveland Clinic Center for Pediatric Research as part of the Lerner Research Institute.
- Infrastructure
 - Opened \$2.7 million, 13,000 sq. ft. outpatient clinic center at Hillcrest Hospital, with 41 providers and 18 specialty clinics, 21 exam rooms, 2 echo labs and 4 infusion bays.
 - Opened \$4.7 million, 8,000 sq. ft. intermediate care inpatient unit in the Cleveland Clinic Children's Hospital main building, with 13 private patient rooms.
 - **Supervised construction of the first Pediatric Outpatient Building on the Cleveland Clinic Main Campus in downtown Cleveland, Ohio (175,000 sq.ft. opened in October 2018).**
- Mentoring & Leadership Development:
I have always been fully committed to building an organizational structure conducive to handling the current and future demands of providing the best academic education and healthcare by supporting and promoting the enterprise's professional and administrative staff. In particular, I have personally mentored many colleagues throughout my executive career and developed effective succession plans by managing up the best and brightest. Furthermore, I have worked with selected groups of leaders both locally and nationally

to develop their academic and business acumen. These leaders have shown tremendous progress themselves, and together we have managed up many other academic and administrative leaders. The focus on developing a spirit of mentorship and professional development within the institution has ensured a steady supply of successful young leaders to manage complex organizations both nationally and internationally for years to come. Also, I have invested time and focused energy on enriching educational and training programs with active involvement of residents and fellows.

- Other Accomplishments
 - Achieved ranking in 10 of 10 Pediatric Specialties among *US News & World Report* Best Children's Hospitals (only 20 other Children's Hospitals).
 - Recruited >100 pediatric specialists, including 12 new Chairs.
 - Doubled pediatric infusion service line and regional therapy services.
 - Established Pediatric Leadership rounds in all pediatric inpatient units.
 - Expanded Pediatric Transplant Program that has doubled its overall volume. In particular, pediatric heart transplants increased between 2012 and 2016 from 0 to 9 (#1 in Ohio).
 - Established the Pediatric Global Patient Services attracting hundreds of pediatric patients from 38 countries.

Key Projects:

- Established new specialty programs to provide value-based care to children with complex care needs including:
 - Be Well Kids (multidisciplinary pediatric wellness program).
 - Pediatric Complex Care Management Program.
 - Transitional Pediatric-to-Adult Program.
 - School Based Healthcare program.
 - Mobile Pediatric Clinic to bring medical care to children within their own communities.
- Doubled philanthropy contributions to Pediatrics.
- Secured the Ross Family Endowed Chair for Pediatric Cardiology.
- Opened state-of-the-art Hybrid Cath Lab for both Pediatric and Adult Congenital.
- Achieved and maintained 99% Meaningful Use Targets since 2014.
- Care Affordability: Led cost-repositioning initiatives resulting in \$4.5M savings.

B. President, Cleveland Clinic Children's Hospital for Rehabilitation

Cleveland Clinic Children's Hospital for Rehabilitation is the largest of the only 13 freestanding children's hospitals dedicated to the post-acute care of pediatric patients in the United States. Its mission is to improve the quality of life and health status of children with chronic illness and disability by providing, at reasonable cost, a comprehensive, coordinated and family-centered program of services, research, and education that is directed toward maximizing each child's potential for a life of health and functional independence.

Budgetary responsibilities: CCCHR only

- Managed annual operating budget of \$39 million.
- Managed 91,000 annual therapy visits (76% growth).
- Managed 25 subspecialty chronic and long-term care beds.

Major Strategic or Operational Accomplishments:

- Chaired the Executive Board responsible for overall governance.
- Supervised major clinical departments including:
 - Inpatient Rehabilitative Services.
 - Outpatient Therapy Service programs located at six centers across NE Ohio.
 - Northeast Ohio's only Pediatric Dialysis Unit.
 - Educational operations for Lerner School of Autism serving 100+ students on main campus plus an additional 400+ students through outreach programs.
 - Specialty programs for children with special needs including feeding disorders, spasticity, ADHD, ventilator-dependence.
 - Developed Master Facility Plan to align with strategic planning for Rehab Hospital and Pediatric Institute.

Key Projects:

- Developed the Pediatric Integrative Medicine Department focused on wellness, alternative and complementary therapies tailored for pediatric patients.
- Developed the Cleveland Clinic Autism Development Solutions (CCADS) to assist other independent healthcare organizations in developing comprehensive autism treatment centers utilizing the Cleveland Clinic model throughout the United States, with locations in Missouri, Kentucky, Pennsylvania, Michigan, Nevada and Ohio.
- Managed acquisition of two new therapy practices in NE Ohio.
- Successfully achieved JCAHO and CARF three-year accreditation.

Number and Positions of Employees: CCCHR

CCF Children's Hospital for Rehabilitation Caregivers		
Staff MD's		16
Advanced Practice Providers		8
Fellows		2
Pediatric RN's		96
Autism School Therapists, Teachers and Admin		140
Therapists		150
Administrative and other		62
TOTAL		672

Press Ganey Physician Engagement Outcome Metrics for the Pediatric Institute and Children's Hospital (PICH) - 2017 Survey

Metric	PICH	National %ile Rank	Δ vs. other CCF Physicians	Δ vs. National Average	Δ vs. 2015 PICH*
Engagement	4.28	78 th	+.06	+.25	+.05
High Reliability	4.29	92 nd	+.09	+.25	+.13

*No survey was conducted in 2016 and 2018.

Major Results Takeaways

- Key Strengths
 - Career Development
 - Use of new technologies/clinical practices
 - Non-punitive response to mistakes
 - Strong focus on safe, high-quality care for patients

- 73% would stay if offered a similar position elsewhere
- >80 are satisfied, want to be here in 3 years
- >90% are proud, would recommend

3. Prior Leadership Roles

A. Chair of Pediatrics, West Virginia University, Morgantown, WV (2006 – 2012)

- Chaired Department of 16 Divisions.
- 61 MDs, 9 PhDs, 20 RNPs, 36 house staff, 185 employees.
- \$25 M Annual Budget FY11.

B. Physician-in-Chief, WVU Children’s Hospital, Morgantown, WV (2006 – 2012)

- Over 300 staff FTEs.
- \$24 M Annual Budget FY11.
- Clinical revenue growth by 103% over 5 years.
- Recruited more than 50 new faculty members.
- Reduced faculty turnover from >15% to <6%.
- Appointed 8 new Division Chiefs.
- Established Faculty Mentoring System.
- Extramural research funding tripled over 5 years.
- Number of annual grant submissions doubled, with 31% success rate.
- Re-accredited categorical Pediatrics and Medicine-Pediatrics Residency Training Programs for a full 5-year cycle in 2009.
- Secured the James H. Walker Endowed Chair for Pediatric Cardiology and a \$12 M endowment for the establishment of the WVU Pediatric Research Institute in 2008.
- Secured the Ross Family \$1.4 M endowment for the establishment of the WVU Pediatric Diabetes Center in 2011.
- 5-Year Chair Evaluation (2011): 85% satisfaction rate; Overall Score = 4.25 out of 5.0.

C. Chief, Division of Pediatric Pulmonology, Miller School of Medicine, University of Miami, Miami, FL (1995 - 2006)

- Supervised Division of 5 faculty and more than 20 staff.
- Started only fellowship program in Pediatric Pulmonology in South Florida.
- Started only UNOS-certified Pediatric Lung Transplant program in South Florida.
- Started only accredited Cystic Fibrosis Center in South Florida.
- Started University of Miami/Jackson Memorial Asthma Center.
- Recognized as Teacher of the Year by the Pediatric Pulmonology Division in 2000 and awarded Dean’s Certificate of Gratitude for Exceptional Teaching in 1996.
- Increased research funding from \$0/year to over \$500K/year.

3. Other Activities/Accomplishments/Qualifications

- Continuously funded by the National Institutes of Health for the past 30+ years.
- Holds 17 international patents + 1 pending patent.
- Served on the Respiratory Integrative Biology and Translational Research Study Section of the National Institutes of Health 2007-2011.
- Chaired University of Miami Dean's Task Force for Faculty Development and Mentoring, 2000-02.
- Completed Certificate Programs in Health Care Management and in Managed Care & Capitation, University of Miami School of Business, 1999.
- Completed Executive Development Seminar for Associate Deans and Department Chairs, Association of American Medical Colleges, Ft. Lauderdale, FL, 2006.
- Completed Program for Chiefs of Clinical Services, Harvard School of Public Health, Department of Health Policy and Management, Boston, MA, 2008.
- Completed Healthcare Finance & Accounting for Executives, Cleveland Clinic Academy/Baldwin Wallace University, Cleveland, OH, 2013.
- Completed Population Health Academy, Jefferson College of Population Health, Thomas Jefferson University, Philadelphia, PA, 2015.
- Selected to participate to the 3rd Cohort of the Association of Governing Boards Institute for Leadership & Governance in Higher Education, Pathway to the Presidency, 2021
- Served in Governor's Maternal Mortality Advisory Committee, Office of Maternal, Child and Family Health, Bureau for Public Health, State of West Virginia Department of Health and Human Resources.
- Cleveland "Top Doctors", Pediatric Pulmonology, Cleveland Magazine.



Giovanni Piedimonte, MD, FAAP, FCCP
Vice President for Research and Institutional Official
Tulane University
Professor of Pediatrics, Biochemistry & Molecular Biology
Tulane School of Medicine

May 7th, 2021

**To the Search Committee for the
President
Florida State University**

Sirs/Madams:

I am writing this letter to submit my candidature and express keen interest in the position of **President of the Florida State University**. In addition to being an active physician-scientist, my qualifications include two principal components. First, the *leadership skills and executive experience* developed over the past 25+ years, first as Division Chief and Director of centers of excellence and training programs; then as one of the longest-serving academic Department Chairman; more recently as Hospital President & CEO in one of the top two healthcare systems in the U.S.; and currently as Vice-President of one of the most well-respected research universities in the country and long-term member of the Association of American Universities (AAU). Second, the *academic achievements* combined with intra- and inter-institutional collaborations in several areas involving graduate education and scientific research. For your evaluation, I have outlined below a summary of administrative experience and academic contributions. For further details, please refer to the enclosed Curriculum Vitae, or visit my LinkedIn profile at <https://www.linkedin.com/in/giovanni-piedimonte-59341b41>.

Administrative Experience: In 2019, I accepted the position of Vice-President for Research and Institutional Official of Tulane University in New Orleans, LA. The Office of Research I lead is responsible for enhancing Tulane's research mission across all fields, including the humanities, engineering, biomedical and public health, environmental sciences, law, economics, and more. More specifically, the Office includes a large number of service units – Biosafety, Comparative Medicine, Compliance and Research Integrity, Human Research Protection, Institutional Animal Care and Use, Research Proposal Development, Sponsored Projects Administration, Technology Transfer, Intellectual Property Development, and others – all dedicated to monitoring and supporting the research work performed by the faculty and staff of the 10 Tulane schools. In addition, the VPR is directly in charge of four Research Institutes dedicated to multi-disciplinary, convergence research involving multiple schools: the Tulane Aging Institute, the Tulane Brain Institute, the Tulane Translational Science Institute, and the Bywater Institute at Tulane University (coastal and environmental research).

Major strategic and operational accomplishments already achieved under my leadership include:

- University-wide research funding for the fiscal year 2020 increased 14% over the prior fiscal year (best year in the history of Tulane for university-wide research funding).
- Funding from federal agencies increased by 19% over the same period.
- University-wide federal grant submission increased 12% over the previous year.

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- Indirect costs received increased 15%.
- More than 200 COVID-19 research projects and >\$120M in grant applications, with >\$30M already awarded.
- Completed BSL-3 facility for rodent COVID-19 models.
- Expanded (tripled capacity) and updated rodent vivarium.
- Started COVID-19 Biobank and Library at Tulane (CoBALT).
- Launched Grant Lifecycle Management Initiative, a fully digital, paperless platform driving efficiency and throughput for all research operations.
- Launched LabArchives Electronic Lab Notebook (ELN) system to allow scientists working on multiple platforms and devices to share data and knowledge in real-time.
- Launched digital e-platform for large clinical trials.
- Expanded Office of Research Proposal Development (ORPD), providing logistic, budget, and statistical support for large center grants.
- Formed a new Tulane Research Council (TRC), whose membership includes the Vice-Deans for Research from all schools.
- Started the new Tulane University Research Awards and the Tulane Research Hall of Fame to celebrate top investigators university-wide.
- Started the new Tulane Centers of Research Excellence Program to be granted to multi-disciplinary teams focused on convergence research (just awarded the first 3 of these center grants focusing on sex-based biology, personalized medicine, and emerging infections).

My day-to-day activities as Tulane VPR include developing broad strategies for the research enterprise, planning their implementation, and bringing people together for their completion. I also supervise administration and finances for all research operations; meet regularly with all staff members and complete their annual performance reviews; coordinate all quality and safety programs; actively participate in the promotion of educational and research activities; raise funds from private and corporate donors to advance the university research mission; represent the university at national meetings of leading higher education organizations like the AAU, the University Research Association (URA) Council of Presidents, and several others; regularly interact with members of the state legislature and U.S. Congress, as well as industry and social leaders to advance the local and national scientific and educational agenda. I also serve on many university-wide committees and boards, including being Chair of the Health Sciences Leadership Council, University Senate Standing Committee on Research, and University Institutional Conflict of Interest, as well as a standing member of the University Administrative Council and Emergency Preparedness Action Committee.

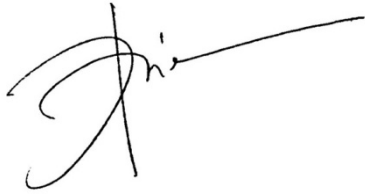
Previously, from 2012 to 2019, I was the Steven and Nancy Calabrese Endowed Chair for Excellence in Pediatric Care, Research and Education and served as Professor & Chair of the Department of Pediatrics at the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University in Cleveland, Ohio. I also served as the Cleveland Clinic Pediatric Institute Chair and as President & CEO of the Cleveland Clinic Children's Hospital, as well as a member of the Cleveland Clinic Foundation Board of Trustees. Under my leadership, safety and quality metrics improved significantly across the service line; access was better than enterprise targets with a 2-days average wait for a clinic appointment; patient volumes increased to over 680,000 outpatient visits, 13,000 hospital admissions, and 11,000 surgeries per year; total revenues surpassed \$1B/year. Cleveland Clinic Children's expanded to 414 pediatric beds and >40 clinic sites across Northeast Ohio and was *consistently ranked as one of the Best Children's Hospitals in the United States by U.S. News & World Report, including being one of the few ranking in 10 out of 10 specialties*. During my tenure, we recruited more than 100 medical staff members, bringing the total to >350, with many of them recognized as "Best Doctors." We met budget and increased margins every fiscal year, in part thanks to the completion of multiple cost repositioning initiatives. Research funding and philanthropy fundraising more than doubled. Last but not least, board passing rates for graduates of our residency and fellowship programs were consistently above the national average for the first time in years. As Pediatrics became one of the most successful service lines of the enterprise, a building exclusively dedicated to Pediatric Outpatient services opened on the Cleveland Clinic Main Campus in Cleveland downtown in September 2018 for the first time in the history of the institution. In my role as Chief of Global Pediatric Operations, I spearheaded the development, coordination, and expansion of all research programs dedicated to improving the health of pregnant mothers, infants, children, and adolescents across the enterprise. Furthermore, I was honored to serve as

Founding Director of the Center for Pediatric Research established by the Cleveland Clinic Board of Governors in 2015. Last but not least, I continued to be listed among the Top Doctors in my specialty locally, nationally, and internationally, served on the Standard Setting Panel of the American Board of Pediatrics and actively mentored students and residents.

Academic Contributions: My research team has been successful in obtaining and maintaining peer-reviewed research support since 1997. I have served as Principal Investigator or Co-PI on more than 40 basic, translational, and clinical research grants from the National Institutes of Health (NIH), Cystic Fibrosis Foundation, American Lung Association, Asthma and Allergy Foundation of America, and pharmaceutical industry. These include active grants supporting more than 20% of my current salary. One of these NIH grants ranked at the top 1st percentile on its first review and will continue to provide research support into 2023. I have also secured 18 international patents protecting some of my inventions, and a new patent application is currently pending approval. Our research has produced more than 160 peer-reviewed articles and more than 250 book chapters, abstracts, and monographs, mostly published in scientific journals of the highest quality. I serve on several editorial boards and am an active reviewer for several medical journals of general interest (e.g., The Medical Letter, PLoS, The British Medical Journal, The Lancet), as well as most leading journals in the fields of pediatrics and pulmonary diseases. As our research program is well recognized nationally and internationally, I have been invited to deliver more than 500 lectures to scientific meetings and leading academic institutions around the world, including several endowed lectureships and awards. From 2007 to 2011, I served on the Respiratory Integrative Biology and Translational Research (RIBT) study section of the NIH. In addition, I have served and continue to serve *ad hoc* on several other national and international peer-review and advisory panels for a number of extramural funding agencies, including the NIH, American Association for the Advancement of Science, American Heart Association, U.S. Department of Veteran Affairs, Canadian Institutes of Health Research, and research organizations of several other countries including the United Kingdom, Chile, and Switzerland. More importantly, my peers have consistently recognized me as a valuable mentor, research leader, and collaborator. My team and I have made significant contributions to several institutional academic programs, and our collaborations have crossed departmental and school lines. In particular, the convergent aspects of our research programs have been of major significance and have led to several collaborative grant proposals and publications. Finally, I have represented the medical faculty as an elected member of Faculty Senate, School Council, and Governing Board; chaired Task Forces to develop school-wide strategies for faculty development and mentoring; contributed to the development of undergraduate medical curricula; and represented my institutions at national and international meetings.

Career Goals: *Today, many would say that I had accomplished the goals set out when I decided to leave everything I loved behind for a greater love of patient care and scientific research. However, my dreams continue to push me forward, and I am confident that the best of my contribution to the academic world is yet to come. In the first 30+ years of my professional journey, I have accumulated considerable experience and expertise in administrative practices and operations; higher education models and curricula; basic, clinical, and translational scientific research; healthcare leadership and management. I have been exposed to a variety of leadership styles and organizational structures through my work in multiple institutions and environments of varying size, scope, and culture. I have become a national expert in population health, value-based care, telehealth, precision medicine, educational and medical applications of artificial intelligence, transformational leadership, and other areas that will disrupt and reshape the next decade. These are all topics I am regularly invited to discuss in commentaries, op-eds, and talks to other executives at national and international meetings. Lastly, my research continues to be funded by NIH and be featured in high-impact journals and international conferences. Thus, as we approach a critical juncture for the future of higher education in our country, I believe I have fully developed the framework and perspective - as well as the organizational, operational, and systemic foundations - needed to perform successfully as an academic leader, senior administrator, and executive manager even in the most complex organizations. I will welcome the opportunity to provide any further information you might require and look forward to hearing from you.*

Sincerely,

A handwritten signature in black ink, appearing to be 'G. Piedimonte', with a long horizontal line extending to the right.

Giovanni Piedimonte, M.D., F.A.A.P., F.C.C.P.
Vice President for Research and Institutional Official
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