

# CURRICULUM VITAE

September 2007

## **GIUSEPPE N. COLASURDO, M.D.**

H. Wayne Hightower Distinguished Professor in the Medical Sciences  
and Dean

Professor and Chairman, Department of Pediatrics  
Division Chief, Pediatric Pulmonary and Critical Care Medicine  
Director, Fellowship Training Program

The University of Texas Medical School at Houston

6431 Fannin St., Suite G.150

Houston, Texas 77030

Phone: 713-500-5010

FAX: 713-500-0602

Email: Giuseppe.N.Colasurdo@uth.tmc.edu

Date of Birth: July 29, 1959  
Place of Birth: Morrone Del Sannio, Italy  
Citizenship: Italy and USA

## **UNDERGRADUATE EDUCATION**

Liceo Scientifico "Galileo Galilei" Pescara, Italy	BS	1974-1978
---	----	-----------

## **GRADUATE EDUCATION**

"G. D'Annunzio" School of Medicine Chieti, Italy - Summa Cum laude	MD	1978-1985
---	----	-----------

## **POSTGRADUATE TRAINING**

"G. D'Annunzio" School of Medicine Department of Internal Medicine Chieti, Italy	Pulmonary Research	1985-1988
--	--------------------	-----------

University of Texas Medical Branch Department of Pediatrics Galveston, Texas	Residency (PL 1-3)	1988-1991
--	--------------------	-----------

University of Colorado Health Science Center and National Jewish Research and Medical Center Division of Pulmonary Medicine Denver, Colorado	Fellowship	1991-1994
--	------------	-----------

## ADMINISTRATIVE APPOINTMENTS

Head, Pediatric Pulmonary Medicine Division Department of Pediatrics University of Texas Medical School at Houston	1997-2002
Director, Pediatric Pulmonary Research Baylor College of Medicine Houston, Texas	1997-2001
Director, Fellowship Training Program Pediatric Pulmonary Medicine University of Texas Medical School at Houston	2001-Present
Head, Division of Pediatric Pulmonary & Critical Care Medicine University of Texas Medical School at Houston	2002-Present
Interim Chairman Department of Pediatrics University of Texas Medical School at Houston	5/2005-10/2005
Chairman Department of Pediatrics University of Texas Medical School at Houston	11/2005-Present
H. Wayne Hightower Distinguished Professor and Dean University of Texas Medical School at Houston	9/2007-Present

## ACADEMIC APPOINTMENTS

Instructor of Pediatrics Division of Pulmonary Medicine University of Colorado Health Science Center Denver, Colorado	1994-1995
Assistant Professor of Pediatrics Division of Pediatric Pulmonary Medicine University of Texas Medical School at Houston Houston, Texas	1995-2000
Associate Professor of Pediatrics Department of Pediatrics University of Texas Medical School at Houston	2000-2003
Associate Professor with Tenure Department of Pediatrics University of Texas Medical School at Houston	2003-2006

Professor with Tenure 2006 - Present  
Department of Pediatrics  
University of Texas Medical School at Houston

## HOSPITAL APPOINTMENTS

Children's Hospital 1991-1996  
1056 East 19<sup>th</sup> Avenue  
Denver, Colorado 80218

National Jewish Medical and Research Center 1991-1996  
1400 Jackson Street  
Denver, Colorado 80206

Children's Memorial Hermann Hospital 1995-present  
6411 Fannin St.  
Houston, Texas 77030

LBJ General Hospital 1997-present  
5656 Kelly St.  
Houston, Texas 77026

M.D. Anderson Cancer Center 1998-present  
1515 Holcombe Blvd.  
Houston, Texas 77030

Beacon Health, LTD.-Westchase 2001-present  
2929 Woodland Park Dr.  
Houston, Texas 77082

St. Joseph's Hospital 2000-2002  
1919 LaBranch St.  
Houston, Texas 77002

Chief of Pediatrics 2005-present  
Children's Memorial Hermann Hospital  
6411 Fannin St.  
Houston, Texas 77030

Physician-In-Chief 2006-present  
Children's Memorial Hermann Hospital  
6411 Fannin St.  
Houston, Texas 77030

## LICENSURE

Italy		1985
Texas	#H9857	1991
Colorado	#31100	1991

## CERTIFICATIONS

FMGEMS	#408-350-7	1987
Federal Licensing Examination		1991
American Board of Pediatrics Recertified	#46338	1991 2000
American Board of Pediatrics	#0477	1995
Subspecialty Board in Pediatric Pulmonology Recertified		2002

## PROFESSIONAL ORGANIZATIONS

American Thoracic Society  
European Respiratory Society  
Society for Pediatric Research  
Association of Medical School Pediatric Department Chairs, Inc.  
Council of Deans/Association of American Medical Colleges

## HONORS AND AWARDS

“G. D'Annunzio”, School of Medicine, Chieti, Italy M.D., <i>Summa Cum Laude</i>	1985
David W. Smith Trainee Award (Western Society for Pediatric Research)	1995
Deans' Excellence Awards University of Texas Health Sciences Center	1996-1998
Basic Scientist Development Award, NIH (NHLBI-NIAID)	1999-2003

### **HONORS AND AWARDS, cont'd**

Member, Society for Pediatric Research	2001
Deans' Excellence Awards University of Texas Health Sciences Center	2004-2005

### **EDITORIAL POSITIONS (Ad Hoc Reviewer)**

American Journal of Respiratory and Critical Care Medicine  
American Journal of Physiology (Lung Cell Mol Physiology)  
Journal of Applied Physiology  
Pediatric Research  
Pediatric Pulmonology  
Pediatric Allergy and Immunology  
Experimental Lung Research  
The Journal of Respiratory Diseases  
Thorax

### **SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS**

Program Project Grant Review Committee Asthma Foundation of Western Australia	2000
Program Project Grant Review Committee NHLBI Host Responses to Viral Infections of the Airways	2002
Special Emphasis Panel Review Committee Disease Investigation through Specialized Clinically Oriented Ventures in Environmental Research (DISCOVER) NIH NIEHS P50 Grant Applications	2007

### **SERVICE ON THE UNIVERSITY OF TEXAS-AUSTIN COMMITTEES**

Member, Advisory Search Committee for the Director of the Dell Pediatric Research Institute, The University of Texas at Austin	2006-present
---	--------------

## **SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON HEALTH SCIENCE CENTER**

Member, Animal Welfare Committee	1997-2003
Member, Strategic Planning for the Research Enterprise	2000
Member, Faculty Senate	2002-2003
Member, Scientific Advisory Committee	2002-present
Chair, Clinical Compensation Committee	2006-present
Vice Chairman, Clinical Operations Committee	2006-present
Co-Chair, Search Committee (Pediatric Gastroenterology Chair)	2001-2006
Co-Chair, Search Committee (Pediatric Critical Care)	2001-present
Co-Chair, Search Committee (Neonatology Chair)	2004-2007
Member, Medical Service Research and Development Plan (MSRDP) Board of Directors	2005-present
Member, Group Practice Governance Group (GPGG)	2005-present
Member, Group Practice Finance Group (GPFG)	2005-present
Member, Administrative Council	2005-2007
Chair, Administrative Council	2007-present
Member, Group Practice Leadership Committee	2005-present
Member, Group Practice Finance and Planning Committee	2005-present
Member-At-Large, University of Texas Physicians Board of Directors	2005-present
Member, Search Committee (Ob-Gyn Chair)	2006
Chair, Search Committee (Internal Medicine Chair)	2007-present
Member, Audit Committee	2007-present
Member, Business Continuity Group	2007-present
Member, Center for Clinical and Translational Sciences	2007-present
Member, Executive Council	2007-present
Member, Institutional Compliance Committee	2007-present

**SERVICE ON THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES**

Chair, Clinical Compensation Committee	2005-2007
Chair, AllScripts Steering Team Committee	2007-present
Co-Chair, Cooperative Institutional Planning Committee	2007-present
Chair, Executive Group Practice Leadership Committee	2007-present
Member, Group Practice Leadership Committee/ Group Practice Finance Group	2007-present

**SERVICE ON THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES -  
DEPARTMENT OF PEDIATRIC COMMITTEES**

Director, Pediatric Pulmonary Research Fellowship Training Program Texas Children's Hospital	1997-present
Member, Resident Review Committee Department of Pediatrics University of Texas Health Science Center Promotions Committee	1999-present
Member	2000-2005
Chairman	2005-present
Department of Pediatrics University of Texas Health Science Center	
Member, Peer Review Committee Department of Pediatrics University of Texas Health Science Center	2000-2005
Co-Chair, Research Committee Department of Pediatrics University of Texas Medical School at Houston	2000-2005
Executive Committee	
Member	2000-2005
Chair	2005-present
Department of Pediatrics University of Texas Medical School at Houston	
Member, Pediatrics Billing Compliance Committee	2007-present

## SERVICE ON GRADUATE SCHOOL COMMITTEES

Member, Advisory Committee of Graduate Students 1997-2002

## SERVICE ON UTMSH AFFILIATED HOSPITAL COMMITTEES

Director, Pulmonary and Asthma Center 1995-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Reporting Line 1996-1999  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Performance Improvement Review Committee (PIRC) 2004-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Co-Chair, Pediatric MSQR Committee 2004-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Chief of Pediatrics 2005-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Pediatric Coordinating Council 2005-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Medical Executive Committee 2005-present  
UT Faculty Representative 2006-2009  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Division Quality Committee 2005-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, CMO Roundtable 2005-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Medical Information Committee 2005-present  
Memorial Hermann Children's Hospital  
Houston, Texas

Member, Children’s Medical Director Committee  
Memorial Hermann Children’s Hospital  
Houston, Texas 2005-present

Member, Children’s Practice Operations Committee  
Memorial Hermann Children’s Hospital  
Houston, Texas 2005-present

Member, Clinical Information Systems Practice Committee  
Memorial Hermann Health Network Providers  
Houston, Texas 2005-present

### SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE

Jason Scott 1996-1999  
*A Novel Cellular Signaling Pathway Involved in Secretory Diarrhea*

Bruce Williams 1996-1999  
*Agonist-Induced Down-Regulation of the B<sub>2</sub> Adrenergic Receptor*

Zhong Hongyan 1999-2002  
*Adenosine Receptors and Mast Cell Function*

### SPONSORSHIP OF POSTDOCTORAL FELLOWS

1. Andrew Gelfand, M.D. 1993-1996  
Current position: Pediatric Pulmonologist  
Private Practice, Dallas, TX

2. Okan Elidemir, M.D. 1997-present  
Current position: Assistant Professor  
Division of Pulmonary Medicine  
Texas Children’s Hospital

*Awards:*

- a) *Baylor College of Medicine Fellowship Award 1998*
- b) *Baylor College of Medicine Fellowship Award 1999*
- c) *Southern Society for Pediatric Research, Trainee Travel Award 2000*
- d) *Society for Pediatric Research, Fellow Clinical Research Award 2000*

3. Amir M. Khan, M.D. 1996-present  
Current position: Assistant Professor  
Division of Neonatology  
Department of Pediatrics, UTHSCH

*Awards:*

- a) *American Academy of Pediatrics, Young Investigator Award 1998*
- b) *American Academy of Pediatrics, Trainee Travel Award 1997 and 1998*

4. Mutasim Abu-Hasan, M.D. 1996-1999  
Current position: Assistant Professor  
Division of Pediatric Pulmonology  
University of Iowa, Iowa City, IA

5. Ibrahim Janahi, M.D. 1997-2000  
Current position: Assistant Professor  
Department of Pediatrics  
University of Qatar

6. Cynthia Epstein, M.D. 1998-2001  
Current position: Assistant Professor  
Division of Pediatric Pulmonology  
University of Virginia, Richmond, VA

*Awards:*

*Cystic Fibrosis Foundation (Lung Immune Response to RSV in A Mouse Model of Cystic Fibrosis). 2000-2001: \$60,000.*

7. Beatriz Cua, M.D. 1998-present  
Current position: Assistant Professor  
Division of Pulmonary and Critical Care Medicine  
Department of Pediatrics, UTHSCH

8. Amy McGregor, M.D. 1999-2001  
Current position: Neurology Fellow  
Department of Neurology, UTHSCH

9. Tarak Patel, M.D. 2001-2004  
Current position: Pulmonary Fellow  
Texas Children's Hospital

10. Jason Fullmer, M.D. 2001-present  
Current position: Pulmonary Fellow  
Texas Children's Hospital

11. Marc Schechter, M.D. 2002-present  
Current position: Pulmonary Fellow  
Department of Pediatrics, UTHSCH

12. Nathan Strobel, M.D. 2002-present  
Current position: Critical Care Fellow  
Department of Pediatrics, UTHSCH

13. Ezequiel Salinas, M.D. 2002-present  
Current position: Critical Care Fellow  
Department of Pediatrics, UTHSCH

- |  |              |
|--|--------------|
| 14. Theron McCormick, M.D.<br>Current position: Allergy/Immunology Fellow<br>Texas Children's Hospital | 2002-2003    |
| 15. Cindy Jon, M.D.<br>Current position: Pulmonary Fellow<br>Department of Pediatrics, UTHSCH          | 2004-present |
| 16. Alexandra Reverdin, M.D.<br>Current position: Pulmonary Fellow<br>Department of Pediatrics, UTHSCH | 2006-present |

## CURRENT TEACHING RESPONSIBILITIES

### Curriculum Development Work

- |  |              |
|--|--------------|
| Pulmonary Core Curriculum for Residents<br>Developed for the Department of Pediatrics<br>University of Texas Health Science Center at Houston  | 1996-present |
| Pulmonary Research Curriculum for Fellows<br>Developed for Pediatric Pulmonary Fellows<br>University of Texas Health Science Center at Houston | 1998-present |
| Clinical Curriculum for Fellows<br>Developed for Pediatric Pulmonary Fellows<br>University of Texas Health Science Center at Houston           | 2004-present |
| Clinical Curriculum for Fellows<br>Developed for Fellows in Critical Care Medicine<br>University of Texas Health Science Center at Houston     | 2004-present |

### Non-Didactic Teaching

- |   |              |
|---|--------------|
| 1. Resident Training  |              |
| Attending, Pediatric Pulmonary Medicine<br>Inpatient and consulting service<br>Memorial Hermann Children's Hospital | 8 months/ yr |
| Attending, Pediatric Intensive Care Unit<br>Inpatient service<br>Memorial Hermann Children's Hospital               | 6 months/ yr |
| Attending, Pediatric Pulmonary Medicine<br>Consulting service<br>MD Anderson Cancer Center                          | 12 months/yr |

Attending, Pediatric Pulmonary Medicine Consulting service HealthBridge Children Hospital	6 months/yr
Attending, Pediatric Pulmonary Medicine Consulting service LBJ General Hospital	6 months/yr
Attending, Pediatric Intensive Care Unit Inpatient and consulting service Memorial Hermann Children’s Hospital	5 months/yr

2. Fellow Training

Director, Pediatric Pulmonary Research Texas Children’s Hospital	1998-2002 12 months/yr
Director, ACGME accredited Fellowship Training Program Pediatric Pulmonary Medicine UT-Houston Medical School	2002-present 12 months/yr
Associate-Director, ACGME accredited Fellowship Program Pediatric Critical Care UT-Houston Medical School	2004-present 12 months/yr

**CURRENT GRANT SUPPORT**

Children’s Miracle Network (PI: Colasurdo) <i>Respiratory Science Center</i>	\$250,000	2005-2007 (active)
Texas Department of State Health Services (PI: Colasurdo, Chair of Pediatrics)	\$2,222,260	2006-2007
Children’s Memorial Hermann Foundation (PI: Colasurdo) Centers of Excellence	\$450,000	2007-2008
Children’s Miracle Network (PI: Colasurdo) Children’s Research Centers	\$72,782	2006-2007

**PENDING GRANT PROPOSALS**

Cystic Fibrosis Foundation (PI: Stark; Co-I: Colasurdo) <i>Enhanced Susceptibility to RSV Infection in CFTR Deficient Mice</i> The major goal of this project is to determine the role of NOS2 in enhanced susceptibility to RSV and P. Aeruginosa infections in CFTR-deficient mice.	\$194,400	2007-2009 (pending)
---	-----------	------------------------

NIH (PI: Alcorn; Co-PI: Colasurdo) Type RO1 <i>Effects of RSV Exposure on Pulmonary Surfactant Protein Expression and Secretion.</i>	\$1,475,085	2008-2012 (pending)
---	-------------	------------------------

The major objective of this project is to characterize the gene regulation of SP-A and its homeostasis in human type II cells

NIH-NHLBI (PI: Colasurdo) Type RO1 <i>Genetic Determinants of Susceptibility to RSV</i>	\$1,485,412	2008-2012 (pending)
--	-------------	------------------------

The major objective of this project is to determine the genetic mechanisms determining disease severity after RSV infection in susceptible populations.

### PAST GRANT SUPPORT

Cystic Fibrosis Foundation	\$30,000	1991-1992
----------------------------	----------	-----------

Cystic Fibrosis Foundation	\$30,000	1992-1993
----------------------------	----------	-----------

Cystic Fibrosis Foundation (Colasurdo PI) <i>Neural control in inflamed airways</i>	\$45,000	1993-1994
--	----------	-----------

Children's Miracle Network (Colasurdo PI) <i>RSV and Airway Epithelial Cell Biology</i>	\$15,000	1996-1997
--	----------	-----------

Texas Biotechnology Corp. (Colasurdo PI) <i>Effect of selectin inhibitors on virus- and allergen-induced lung inflammation in animal models</i>	\$48,000	1996-1998
--	----------	-----------

NIH-HLBI (Co-PI; PI: M. Blackburn) Type: RO1 <i>Adenosine Signaling and Predisposition to Lung Inflammation and Damage</i> <i>The major objective of this project is to define the role of adenosine signaling during lung development as well as a role aberrant adenosine signaling plays in predisposing the lung to inflammation and damage.</i>	\$1,143,775	1998-2002
--	-------------	-----------

Children's Miracle Network (PI: Colasurdo) <i>Respiratory Science Center</i>	\$104,000	1999-2001
---	-----------	-----------

NIH-HLBI/AI (PI: Colasurdo) Type KO8 <i>RSV and Airway Epithelial Cell Signaling</i> <i>The major objectives of this project are to characterize the cellular mechanisms responsible for virus-induced alterations of airway functions as well as specific changes in signal transduction mechanisms within airway epithelial cells.</i>	\$647,784	1999-2004 (completed 1/04)
--	-----------	-------------------------------

Cystic Fibrosis Foundation (Mentor, Cynthia Epstein) <i>Lung immune response to RSV in the Mouse Model of Cystic Fibrosis</i> <i>The major objectives of this work are to evaluate specific immunological responses to RSV infection in a mouse model of Cystic Fibrosis.</i>	\$60,000	2000-2001
---	----------	-----------

## PAST GRANT SUPPORT, cont'd

Glaxo (Colasurdo PI) <i>Childhood Asthma: Clinical Preceptorship</i>	\$15,000	2000-2002
NIH-NIEHS (PI of subcontract: Colasurdo) Type: RO1 <i>Lung Immune Response to Complex Exposures</i> <i>The major objective of this project is to evaluate functional, morphological, cellular and humoral lung responses to particulate matter, ozone and allergens.</i>	\$1,712,825	2001-2005 (completed)
Children's Miracle Network (PI: Colasurdo ) <i>Respiratory Science Center</i>	\$120,000	2003-2005
Cystic Fibrosis Foundation (PI: Fullmer; Mentor: Colasurdo) <i>Immune Role of NO in Cystic Fibrosis</i>	\$110,000	2003-2005 (completed)
NIH-NIEHS (PI: Colasurdo) Type R21 <i>SP-A Signaling and Age-dependent Vulnerability to PM</i> The major objectives of this project are to characterize the role of type II pneumocytes in the host response to pollutants and the molecular regulation of the epithelial-derived surfactant protein-A.	\$408,375	2004-2006 (active)

## PUBLICATIONS

### A. Abstracts

1. **Colasurdo GN**, Loader JE, Gelfand AS, Larsen GL: Effect of various contractile agents on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Am. J. Resp. Crit. Care Med.* 151(2):A108, 1995.
2. **Colasurdo GN**, Loader JE, Graves J, Gelfand AS, Larsen GL: Effects of human intravenous immunoglobulin on allergen-induced alterations of neural control mechanisms in rabbit airways. *Am. J. Resp. Crit. Care Med.* 151(2):A349, 1995.
3. **Colasurdo GN**, Gelfand AS, Loader JE, Larsen GL: Nonadrenergic noncholinergic inhibitory system in young and adult rabbits: effect of epithelium removal. *Am. J. Resp. Crit. Care Med.* 151(2):A438, 1995.
4. **Colasurdo GN**, Gelfand AS, Loader JE, Larsen GL: Nonadrenergic noncholinergic inhibitory system in young and adult rabbits: effect of epithelium removal. *Am. J. Resp. Crit. Care Med.* 151(2):A438, 1995.
5. **Colasurdo GN**, Hamming VG, Prince GA, Loader JE, Graves JP, Larsen GL: Effect of human respiratory syncytial virus on neural control mechanisms in cotton rat airways in vitro. *Am. J. Resp. Crit. Care Med.* 151(2):A774, 1995.
6. **Colasurdo GN**, Loader JE, Larsen GL: Vasoactive Intestinal Peptide modulates cholinergic neurotransmission in vitro in airways from normal but not allergen-challenged immune rabbits. *Am. J. Resp. Crit. Care Med.* 151(2):A818, 1995.

7. **Colasurdo GN**, Loader JE, Gelfand AS, Larsen GL: Effect of substance P-induced airway smooth muscle on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Am. J. Resp. Crit. Care Med.* 151(2):A107, 1995.
8. **Colasurdo GN**, Loader JE, Graves JP, Larsen GL: Effect of corticosteroids on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Am. J. Resp. Crit. Care Med.* 151(2):A819, 1995.
9. **Colasurdo GN**, Gelfand AS, Wisell JA, Loader JE, Larsen GL. Mechanism of neurokinin A-induced contraction of airway smooth muscle in normal and allergen-exposed immune rabbits. *Am. J. Resp. Crit. Care Med.* 153(2):A162, 1996.
10. Gelfand AS, Larsen GL, Fan LL, Loader JE and **Colasurdo GN**. Effects of recurrent milk aspiration on neural control mechanisms in rabbit airways in vitro. *Am. J. Resp. Crit. Care Med.* 153(2):A555, 1996.
11. **Colasurdo GN**, Hemming VG, Prince GA, Gelfand AS, Loader JE, Larsen GL. Human respiratory syncytial virus produces long-lasting alterations of airway function in developing ferrets. *Am. J. Resp. Crit. Care Med.* 153(2):A17, 1996.
12. **Colasurdo GN**, Wisell JA, Gelfand AS, Loader JE, Larsen GL. Effects of a selective phosphodiesterase IV inhibitor on the airways' nonadrenergic noncholinergic inhibitory system in young and mature rabbits. *Am. J. Resp. Crit. Care Med.* 153(2):A80, 1996.
13. **Colasurdo GN**, Kao YJ, Loader JE, Larsen GL. Developmental aspects of cholinergic neurotransmission in rabbit airways in vitro. *Am. J. Resp. Crit. Care Med.* 155(2):A379, 1997.
14. Khan AM, Shabarek FM and **Colasurdo GN**, Lally KP. Meconium stimulates production of thromboxanes from human alveolar epithelial cells. *Ped. Res.* 43:288A, 1998.
15. Khan AM, Shabarek FM, Lally KP and **Colasurdo GN**. Exposure to meconium increases nitric oxide release in human airway epithelial cells. *Ped. Res.* 43:288A, 1998.
16. Williams BR, Umar S, Scott JK, Morris AP, Kao YJ and **Colasurdo GN**. Effect of respiratory syncytial virus on the expression of protein kinase c isoforms in human lung epithelial cells. *Am. J. Respir. Crit. Care Med.* 157(3):A289, 1998.
17. Scott JK, **Colasurdo GN**, Umar S, Kao YJ, Morris AP. Effect of respiratory syncytial virus on calcium mobilization in transformed human lung epithelial cells. *Am. J. Respir. Crit. Care Med.* 157(3):A289, 1998.
18. Kao YJ, Fan TL, Larsen GL, **Colasurdo GN**. Human respiratory syncytial virus increases nitric oxide production in A549 cells. *Am. J. Respir. Crit. Care Med.* 157(3):A289, 1998.
19. **Colasurdo GN**, Fan TL, Jewell AM, Piedra PA, Larsen GL, Kao YJ. Effect of human respiratory syncytial virus on neutral endopeptidase activity in A549 cells. *Am. J. Respir. Crit. Care Med.* 157(3):A288, 1998.

20. Elidemir O, Fan LL and **Colasurdo GN**. A novel diagnostic method for pulmonary aspiration in a murine model. *Am. J. Respir. Crit. Care Med.* 159(3):A670, 1999.
21. Janahi I, Elidemir O, Abu-Hasan M, Shardonofsky F, Fan LL and **Colasurdo GN**. Airway mechanics in a murine model of recurrent milk aspiration. *Am. J. Respir. Crit. Care Med.* 159(3): A871, 1999.
22. Elidemir O, Abu-Hasan M, Janahi I, Fan LL and **Colasurdo GN**. Changes in lung cells and cytokines in a murine model of recurrent milk aspiration. *Am. J. Respir. Crit. Care Med.* 159(3): A453, 1999.
23. Abu-Hasan M, Shardonofsky F, Elidemir O, Janahi I and **Colasurdo GN**. Characteristics of airway mechanics in a murine model of RSV infection. *Am. J. Respir. Crit. Care Med.* 159(3): A432, 1999.
24. Elidemir O, **Colasurdo GN**, Shardonofsky F, Abu-Hasan M, Fan LL. Detection of lipid-laden macrophages in murine models of lung injury. *Am. J. Respir. Crit. Care Med.* 159(3): A70, 1999.
25. Kao Y, Piedra PA and **Colasurdo GN**. Modulation of nitric oxide production in human epithelial cells following RSV infection. *Am. J. Resp. Crit. Care Med.* 159(3): A153, 1999.
26. Elidemir O, Epstein CE, Fan LL, Kao J, Blackburn M and **Colasurdo GN**. Recurrent aspiration of milk produces experimental asthma in a murine model: increased serum Age, eosinophilic inflammation, cytokine imbalance and goblet cell hyperplasia. *Am. J. Respir. Crit. Care Med.* 161(3): A475, 2000.
27. Kao J, Elidemir O and **Colasurdo GN**. Effect of RSV infection on inducible nitric oxide synthase in the lungs of developing mice. *Am. J. Respir. Crit. Care Med.* 161(3): A349, 2000.
28. Abu-Hassan M, Paul S, Epstein CE, Shardonofsky F, Elidemir O and **Colasurdo GN**. Catalytic anti-VIP antibody produces airway dysfunction in a murine model in vivo. *Am. J. Respir. Crit. Care Med.* 161(3): A434, 2000.
29. Abu-Hassan M, Holian A, Gots TY, Epstein CE, Shardonofsky F, Elidemir O. and **Colasurdo GN**. Exposure to air particulate matter produces airway dysfunction and lung inflammation in a murine model in vivo. *Am. J. Respir. Crit. Care Med.* 161(3): A911, 2000.
30. Epstein CE, Elidemir O, **Colasurdo GN**, Fan LL. Time course of hemosiderin production by alveolar macrophages in a murine model. *Am. J. Respir. Crit. Care Med.* 161(3): A824, 2000.
31. Khan A, Elidemir O, Lally KP and **Colasurdo GN**. Meconium aspiration produces airway dysfunction and inflammatory changes in a murine model. *Pediatric Research* 47(4), pt.2: 364A, 2000.

32. Cua B, **Colasurdo GN**, Khan AM, Epstein CE, Fan LL, Elidemir O. Recurrent milk aspiration produces eosinophilic inflammation and cytokine imbalance in developing Balb/c mice. *American Journal of Respiratory and Critical Care Medicine* 163(5): A194, 2001.
33. Miller JL, **Colasurdo GN**, Fan LL, Epstein CE, Khan AM, Cua B, Elidemir O. Immunocytochemical detection of milk proteins in tracheal aspirates from ventilated infants: A new approach to the diagnosis of milk aspiration. *American Journal of Respiratory and Critical Care Medicine* 163(5): A654, 2001.
34. Epstein CE, Khan AM, Cua B, Elidemir O, and **Colasurdo GN**. Effects of respiratory syncytial virus on airway responsiveness in Balb/c mice. *American Journal of Respiratory and Critical Care Medicine* 163(5): A552, 2001.
35. Elidemir O, Epstein CE, Khan AM, Cua B, Miller JL and **Colasurdo GN**. Respiratory syncytial virus produces airway hyperresponsiveness in developing Balb/c mice. *American Journal of Respiratory and Critical Care Medicine* 163(5): A550, 2001.
36. Khan AM, Elidemir O, Epstein C, Cua B, Lally KP, Larsen GL and **Colasurdo GN**. Meconium aspiration produces airway dysfunction, eosinophilic inflammation and remodeling in murine models. *Pediatric Research* 49(4), pt.2: 271A, 2001.
37. Elidemir O, Epstein C, Khan AM, Cua B and **Colasurdo GN**. Developmental aspects of airway responsiveness in the mouse model of RSV infection. *Pediatric Research* 49(4), pt.2: 462A, 2001.
38. **Colasurdo GN**, Elidemir O, Khan AM, Martinez FD, Larsen GL. Cysteinyl leukotriens and airway hyperresponsiveness in the mouse model of RSV infection. RSV after 45 Years, Segovia, Spain, October 2001.
39. **Colasurdo GN**, Elidemir O, Khan AM, Epstein C, Martinez FD, Larsen GL. Functional and immune interactions between RSV infection and allergen sensitization. RSV after 45 Years, Segovia, Spain, October 2001.
40. **Colasurdo GN**, Larsen GL, Elidemir O, Khan AM, Kao YJ. Effects of RSV infection on nitric oxide synthase isoforms in murine lungs. RSV after 45 Years, Segovia, Spain, October 2001.
41. Khan AM, Larsen GL, Blackburn MR, Gololobov GL, Elidemir O, Alcorn JA and **Colasurdo GN**. Meconium aspiration enhances allergen induced airway hyperresponsiveness in a murine model. *Am J Respir Crit Care Med* 165: A644 2002.
42. Khan AM, Elidemir O, Chiappetta CL, Xue H, Lally KP, Alcorn JA and **Colasurdo GN**. Meconium aspiration enhances allergen induced airway hyperresponsiveness in a murine model. *Am J Respir Crit Care Med* 165: A644 2002.
43. Elidemir O, Larsen GL, Khan AM, Cua B, Fullmer JJ, Martinez FD and **Colasurdo GN**. Cysteinyl leukoterines and airway hyperresponsiveness in the mouse model of RSV infection. *Am J Respir Crit Care Med* 165: A477 2002.

44. Fullmer JJ, Khan AM, Xue H, Elidemir O, Gololobov G, Blackburn MR, Larsen GL and **Colasurdo GN**. Lung immune response to lipopolysaccharide in developing mice. *Am J Respir Crit Care Med* 165: A689 2002.
45. Elidemir O, Larsen GL, Khan AM, Cua B, Epstein CE, Alcorn JA and **Colasurdo GN**. Functional and immune interactions between RSV infection and allergen sensitization in developing mice. *Am J Respir Crit Care Med* 165: A803 2002.
46. Khan AM, Fullmer JJ, Elidemir O, Cua B, Xue Hassan, Larsen GL and **Colasurdo GN**. Functional and immune response to lipopolysacchride and allergens in developing mice. *Pediatr Res* 51: 474A, 2002.
47. Khan AM, Elidemir O, Xue H, Alcorn JL, Larsen GL and **Colasurdo GN**. Meconium aspiration produces airway hyperresponsiveness and enhances allergen induced changes of airway function in a Murine model. *Pediatr Res*. 51: 398A, 2002.
48. Elidemir O, Khan AM, Cua B Alcorn JL, Larsen GL and **Colasurdo GN**. RSV infection and allergen sensitization in developing mice: Functional and Immune Interactions. *Pediatr Res* 51: 14A, 2002.
49. Alcorn JL, Chiappetta CL, Jenkins, G, Piedra P, Jewell A, **Colasurdo GN**. Effect of RSV Infection on Surfactant Protein-A Abundance in Human Type II Pneumocytes in Primary Culture. *Am J Respir Crit Care Med* 167(7): A382 2003.
50. Al-Salmi QA, **Colasurdo GN**, Sockrider MM, Fan LL. Serum Pneumoproteins Levels are Elevated in Children with Interstitial Lung Disease, Cystic Fibrosis and Acute Chest Syndrome. *Am J Respir Crit Care Med* 167(7): A388, 2003.
51. Chiappetta CL, Alcorn JL, Jenkins G, Khan AM, Holian A, **Colasurdo GN**. Effect of Airborne Particulate Matter on Surfactant Protein A Homeostasis in Human Type II Pneumocytes in Primary Culture. *Am J Respir Crit Care Med* 167(7): A285, 2003.
52. Elidemir O, Khan, AM, Fullmer JJ, Xue H, Piedra PA, Jewell A, and **Colasurdo GN**. Lung Immune Response to Respiratory Syncytial Virus in a Murine Model of Cystic Fibrosis. *Am J Respir Crit Care Med* 167(7): A924, 2003.
53. Fullmer JJ, Chiappetta CL, Alcorn JL, Xue H, Morandi M, Holian A, **Colasurdo GN**. Age-Dependent Effects of Airborne Pollutants on Surfactant Protein-A Homeostasis. *Am J Respir Crit Care Med* 167(7): A287 2003.
54. Larsen GL, Loader JE, Nguyen DD, Dakhama A, **Colasurdo GN**. Mechanisms Determining Cholinergic Responsiveness in Airways of Young and Mature Rabbits. *Am J Respir Crit Care Med* 167(7): A43 2003.
55. McCormick T, Khan AM, Chiappetta C, Xue H, Elidemir O, **Colasurdo GN**. Functional and Immune Role of Nitric Oxide in a Murine Model of RSV Infection. *Am J Respir Crit Care Med* 167(7): A722, 2003.
56. Patel T, Khan AM, Chiappetta CL, Elidemir O, Xue H, Morandi M, Holian A, and **Colasurdo GN**. Functional and Immune Response to particulate matter in Developing Mice. *American Journal of Respiratory and Critical Care Medicine* 167(7): A108, 2003.

57. Stark JM and **Colasurdo GN**. Early alterations in innate cellular lung defenses following RSV lung infection: effects on the alveolar macrophage. RSV 2003, Atlanta GA Nov 8-11.
58. Stark JM, Alcorn JL, Chiappetta CL, Jenkins G, Piedra P, and **Colasurdo GN**. Surfactant protein A (SP-A) production by primary cultures of human type II pneumocytes following RSV infection. RSV 2003, Atlanta GA Nov 8-11.
59. **Colasurdo GN**, Khan AM, Chiappetta CL and Stark JM. RSV produces persistent airway dysfunction in BALB/c mice following infection in early life. Am J Respir Crit Care Med 2004; 169: A501.
60. Stark JM, Chiappetta CL, Alcorn JL, **Colasurdo GN**. Early alterations in innate cellular lung defenses following RSV lung infection. Am J Respir Crit Care Med 2004; 169: A715.
61. Stark JM, Khan AM, Stark MA, Chiappetta CL, Greene TN, **Colasurdo GN**. RSV infection in the CFTR knockout mouse increase susceptibility to superinfection with Pseudomonas aeruginosa. Accepted for presentation, 2004 North American Cystic Fibrosis Meeting, St. Louis MO, October 2004.
62. Fullmer JJ, Elidemir O, Khan AM, **Colasurdo GN**, Stark JM. Aberrant response to RSV in a murine model of Cystic Fibrosis- is Nitric Oxide responsible for the increased susceptibility to respiratory pathogens. Accepted for presentation, 2004 North American Cystic Fibrosis Meeting, St. Louis MO, October 2004.
63. Khan AM, Stark JM Chiappetta CL **Colasurdo GN**. Post-Natal Exposures to RSV and Airborne Particulate Matter Protect Against the Development of Allergic Responses Pediatr Res, 55:335A, 2004.
64. **Colasurdo GN**, Khan AM, Chiappetta CL and Stark JM. RSV produces persistent airway dysfunction in BALB/c mice following infection in early life. Am J Respir Crit Care Med 2004; 169: A501.
65. Larsen GL, Loader JE, Fratelli C, Dakhama A, **Colasurdo GN**. Phosphodiesterase IV and neutral endopeptidase within airways from normal and allergen sensitized rabbits. Am J Respir Crit Care Med 2004; 169: A64.
66. Stark JM, Chiappetta CL, Alcorn JL, **Colasurdo GN**. Early alterations in innate cellular lung defenses following RSV lung infection. Am J Respir Crit Care Med 2004; 169: A715.
67. Stark JM, Khan AM, Stark MA, Chiappetta CL, Greene TN, **Colasurdo GN**. RSV infection in the CFTR knockout mouse increase susceptibility to superinfection with Pseudomonas aeruginosa. Accepted for presentation, 2004 North American Cystic Fibrosis Meeting, St. Louis MO, October 2004.
68. Stark JM, Larsen GL, Khan, AM, Atkins CL, Xue H, Stark MA, **Colasurdo GN**. Airway and Immune Responses to Primary Respiratory Syncytial Virus Infection in Mouse Pups with Different Genetic Backgrounds: Persistent Airway Obstruction without Alterations in Th1/Th2 Cytokines. Am J. Respir Crit Care Med 2005, Vol 2, A602.

69. Larsen GL, Loader JE, Fratelli C, Kang JB, Dakhama A, **Colasurdo GN**. Modulation of Airway Responses by Prostaglandins in Young and Adult Rabbits. *Am J. Respir Crit Care Med* 2005, Vol 2, A465.
70. **Colasurdo GN**, Khan AM, Atkins CL, Xue H, Stark MA, Stark JM. Age-Specific Effects of RSV Infection on Airway Function, Viral Clearance and NO Production in Mice: Significant Differences in Very Young and Elderly Mice. *Am J. Respir Crit Care Med* 2005, Vol 2, A603.
71. Lawson JK, Khan AM, Atkins CL, Stark JM, **Colasurdo GN**. Timing of Exposure to Endotoxin Determines the Protecting or Exacerbating Effect on Allergic Response. *Am J. Respir Crit Care Med* 2005, Vol 2, A694.
72. Khan AM, Atkins CL, Xue H, Holian A, Stark JM, **Colasurdo GN**. SP-A depletion enhances Particulate Matter (PM)-induced changes in airway responsiveness and inflammation in mice. *Pediatr Res*, 2005.
73. Schechter MG, Morandi M, Holian A, Khan AM, Atkins CL, Jon CK, Stark JM, **Colasurdo GN**. Functional and Cellular Response to LPS and Particulate Matter (PM-1648, PM-Hou) in Developing Mice. *Proceedings of the American Thoracic Society* 2006:A553.
74. Shah BS, Khan AM, Atkins CL, Schechter MG, Jon CK, **Colasurdo GN**, Stark JM. Age Dependent Differences in Disease Severity and Inflammatory Responses to RSV Infection in Young and Aged Mice. *Proceedings of the American Thoracic Society* 2006:A781.
75. Stark JM, Jon CK, Khan AM, Atkins CL, Stark MA, Xue H, Larsen GL, **Colasurdo GN**. Effect of Genetic Background and Age on Airway Hyperresponsiveness Following RSV Infection. *Proceedings of the American Thoracic Society* 2006:A412.
76. Schechter MG, Morandi MT, Holian A, Atkins CL, Das S, Jon CK, Reverdin AK, **Colasurdo GN**, Khan AM. Determinants of Altered Airway Function after Repeated Exposure to Particulate Matter in Mouse Pups. *Am J Respir Crit Care Med* 2007, 175:A463.
77. Reverdin AK, Stark JM, Khan AM, Atkins CL, Jon CK, Larsen GL, **Colasurdo GN**. Susceptibility to RSV Infection and Persistent Airway Dysfunction in Inbred Mouse Pups: Influence of Genetic Background and Host Response. *Am J Respir Crit Care Med* 2007, 175:A697.
78. Reverdin AK, Khan AM, Das S, Atkins CL, Jon CK, **Colasurdo GN**. Determinant of Disease Severity after RSV Infection in Young and Aged Mice. *Am J Respir Crit Care Med* 2007, 175:A760.
79. Alcorn JL, Atkins CL, Khan AM, Stark JM, **Colasurdo GN**. Regulation of Surfactant Protein-A (SP-A) Protein in Human Lung Epithelial Cells after Infection with Respiratory Syncytial Virus. *Am J Respir Crit Care Med* 2007, 175:A889.

80. Jon JK, Stark JM, Khan AM, Alcorn JL, Atkins CL, Schechter MG, **Colasurdo GN**. Genetic Susceptibility to RSV in Inbred Mouse Pups: Role of Leukotriene Signaling. *Am J Respir Crit Care Med* 2007, 175:A919.
81. Larsen GL, Loader JE, Fratelli C, Kang JB, Dakhama A, **Colasurdo GN**. Modulation of airway responses by prostaglandins in young and fully grown rabbits. *Am J Physiol Lung Cell Mol Physiol*. 2007 Jul;293(1):L239-44. Epub 2007 May 4.

## B. Refereed Original Articles in Journals

1. De Benedetto F, Cervone M, **Colasurdo GN**, De Matthaëis G, and Sensi S: Day/Night variations of airway reactivity after drug premedication. *Respiration* 50:186-191, 1986.
2. De Benedetto F, **Colasurdo GN**, Cervone M, Curci S, and De Matthaëis G: Follow-up of the cardiopulmonary function in 102 patients with bronchial carcinoma. *Rassegna di Medicina Sperimentale (Italian Review of Experimental Medicine)*, XXXIV(2):75-81, 1986.
3. Fame TM, **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL: Decrease in the airways' nonadrenergic noncholinergic inhibitory system in allergen sensitized rabbits. *Pediatr. Pulmonol.* 17:296-303, 1994.
4. Fame TM, **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL: Decrease in the airways' nonadrenergic noncholinergic inhibitory system in allergen sensitized rabbits. *Pediatr. Pulmonol.* 17:296-303, 1994.
5. **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL: Maturation of the nonadrenergic noncholinergic inhibitory system in normal and allergen sensitized rabbits. *Am. J. Physiol. (Lung Cell. Mol. Physiol. 11)* 267:L739-L744, 1995.
6. **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL: Modulation of acetylcholine release in rabbit airways in vitro. *Am. J. Physiol. (Lung Cell. Mol. Physiol. 12)* 268:L432-L437, 1995.
7. **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL. Substance P-induced contraction of airway smooth muscle in young and adult rabbits: effects of epithelium removal and neutral endopeptidase inhibition. *Chest* 107(3): 126, 1995.
8. **Colasurdo GN**, Loader JE, Graves JP, and Larsen GL: Substance P-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: mechanisms of action. *J. Appl. Physiol.* 78:428-432, 1995.
9. **Colasurdo GN**, Hemming VG, Prince GA, Loader JE, Graves JP, and Larsen GL: Effect of human respiratory syncytial virus on nonadrenergic noncholinergic inhibition in cotton rat airways in vitro. *Am. J. Physiol. (Lung Cell. Mol. Physiol. 12)* 268:L1006-L1011, 1996.

10. Gelfand AS, Larsen GL, Loader JE, Graves JP, Fan LL, and **Colasurdo GN**. Effects of milk aspiration on the airways' neural control in developing rabbits. *Ped. Pulmonol.* 23:198-204, 1997.
11. **Colasurdo GN**, Hemming VG, Prince GA, Gelfand AS, Loader JE, and Larsen GL. Human respiratory syncytial virus produces prolonged alterations of neural control in airways of developing ferrets. *Am. J. Respir. Crit. Care Med.* 157:1506-1511, 1998.
12. **Colasurdo GN** and Larsen GL. Neural control mechanisms within airways: disruption by respiratory syncytial virus. *J. Pediatr.* 135(2): S21-S27, 1999.
13. Elidemir O, **Colasurdo GN**, Rossman SN, and Fan LL. Isolation of Stachybotris from the lung of a child with pulmonary hemosiderosis. *Pediatrics*, 104:964-966, 1999.
14. Elidemir O, Fan LL, and **Colasurdo GN**. A novel diagnostic method for the pulmonary aspiration in a murine model: immunocytochemical staining of milk proteins in alveolar macrophages. *Am. J. Resp. Crit. Care Med.* 161:622-626, 2000.
15. Janahi I, Elidemir O, Abu-Hassan M, Shardonofsky F, Fan LL, and **Colasurdo GN**. Recurrent milk aspiration produces changes in airway mechanics, lung eosinophilia, and goblet cell hyperplasia in a murine model. *Ped. Res.* 48(6): 1-6, 2000.
16. Kao YJ, Piedra PA, Larsen GL and **Colasurdo GN**. Induction and regulation of nitric oxide synthase in airway epithelial cells by respiratory syncytial virus. *Am. J. Resp. Crit. Care Med.* 162(4), 2001.
17. Mazur LJ, DeYbarrondo L, Miller J and **Colasurdo GN**. Use of alternative and complementary therapies in pediatric asthma. *Texas Medicine* 64-68, 2001.
18. Epstein CE, Elidemir O, **Colasurdo GN** and Fan LL. Time course of hemosiderin production by alveolar macrophages in a murine model. *Chest* 120(6):2013-2020, 2001.
19. Chunn JL, Young HWJ, Banerjee SK, **Colasurdo GN**, Blackburn MR. Adenosine-dependent airway hyperresponsiveness in partially adenosine deaminase-deficient mice. *J. Immunol.* 167(8):4676-4685, 2001.
20. Khan AM, Lally KP and **Colasurdo GN**. Meconium enhances the release of nitric oxide in human airway epithelial cells. *Biol. Neonate* 81:99-104, 2002.
21. Khan AM, Lally KP and **Colasurdo GN**. Enhanced release of thromboxane A<sub>2</sub> after exposure to meconium in human airway epithelial cells. *Ped. Pulmonol.* 33:111-116, 2002.
22. Berisha HI, Bratut M, Bangale Y, **Colasurdo GN**, Paul S and Said SI. New evidence for transmitter role of VIP in the airways: impaired relaxation by a catalytic antibody. *Pulm Pharmacol Therap.* 15(2):121-127, 2002.

23. Cochran JR, Khan AM, Elidemir O, Xue H, Cua B, Larsen GL and **Colasurdo GN**. Influence of lipopolysaccharide exposure on airway function and allergic responses in developing mice. *Ped. Pulmonol.*, Oct;34(4):267-277, 2002.

24. Khan AM, Elidemir O, Lally KP, Xue H, Blackburn M, Larsen GL and **Colasurdo GN**. Meconium aspiration produces airway hyperresponsiveness and eosinophilic inflammation in a murine. *Am. J. Physiology (Lung Cell Mol. Physiol., Oct;283 (4):L785-790, 2003*
25. Miller J, **Colasurdo GN**, Khan AM, Jajoo C, Patel TJ, Fan LL, and Elidemir O. Immunocytochemical detection of milk proteins in tracheal aspirates of ventilated infants. *Ped Pulmonol, 34(5):369-374, 2003.*
26. Larsen GL, Loader J, Nguyen DD, Fratelli C, Dakhama A and **Colasurdo GN**. Mechanisms determining cholinergic neural responses in airways of young and mature rabbits. *Ped Pulmonol. 38(2):97-106, 2004.*
27. Archer AJ, Cramton JL, Pfau JC, **Colasurdo GN** and Holian A. Airway responsiveness after acute exposure to urban particulate matter 1648 in a DO11.10 murine model. *Am J Physiol Lung Cell Mol Physiol. 286(2):L337-43, 2004.*
28. Al-Salmi QA, Walter JN, **Colasurdo GN**, Soxkrider MM, Smith EO, Takahashi H and Fan LL. Serum KL-6 and surfactant proteins A and D in pediatric lung disease. *Chest. Jan;127(1):403-407, 2005.*
29. Stark JM, Khan AM, Chiappetta C, Xue H, Alcorn JL, and **Colasurdo GN**. Immune and functional role of nitric oxide in the mouse model of respiratory Syncytial virus infection. *J Infect Dis Feb 1;191(3):387-395, 2005.*
30. Fullmer JJ, Khan AM, Elidemir O, Chiappetta C, Stark JM and **Colasurdo GN**. Role of cysteinyl leukotrienes in airway inflammation and responsiveness following RSV infection in BALB/c mice. *Ped Allergy Immunol 16:593-601, 2005.*
31. Alcorn JL, Stark JM, Chiappetta C, Jenkins G and **Colasurdo GN**. Effects of RSV infection on pulmonary surfactant protein (SP-A) in cultured human type II cells: contrasting consequences on SP-A mRNA and protein. *Am J Physiol Lung Cell Mol Physiol 289(6): L1113-22, 2005.*
32. Collins RA, Gualano RC, Zosky GR, Chiappetta CL, Turner DJ, **Colasurdo GN**. Hyperresponsiveness to inhaled but not intravenous methacholine during acute respiratory syncytial virus infection in mice. *Respir Res Dec 5; 6(1):142, 2005.*
33. Larsen GL, Loader J, Fratelli C, Brian Kang JK, Dakhama A and **Colasurdo GN**. Phosphodiesterase IV and neutral endopeptidase in airways from developing and allergen sensitized rabbits. *Pulm Pharmacol Ther 19(5):335-42; 2006.*
34. Stark JM, Stark MA, **Colasurdo GN**, LeVine AM. Decreased pulmonary clearance of streptococcus pneumoniae following respiratory syncytial virus infection in mice. *J Med Virol 78(6):829-38, 2006*
35. **Colasurdo GN**, Fullmer JJ, Elidemir O, Atkins C, Khan AM, Stark JM: Respiratory syncytial virus infection in a murine model of cystic fibrosis. *J Med Virol 78(5):651-658, 2006.*

36. Castro SM, Guerrero-Plata A, Suarez-Real G, Adegboyega PA, **Colasurdo GN** et al. Antioxidant treatment ameliorates respiratory syncytial virus-induced disease and lung inflammation. *Am J Respir Crit Care Med*, Epub 2006 Sep 28.
37. Zhou W, Hashimoto K, Moore ML, Elias JA, Zhu Z, Durbin J, **Colasurdo G**, et al. IL-13 is associated with reduced illness and replication in primary respiratory syncytial virus infection in the mouse. *Microbes Infect* 2006 Nov-Dec;8(14-15):2880-9.
38. Collins RA, Gualano RC, Zosky GR, Chiappetta CL, Turner DJ, **Colasurdo GN**, et al. Lack of long-term effects of respiratory syncytial virus infection on airway function in mice. *Respir Physiol Neurobiol*, 2007 June 15;156(3):345-52. Epub 2006 Nov 30.
39. Larsen GL, Loader J, Fratelli C, Dakkama A, **Colasurdo GN**. Developmental regulation of neutral endopeptidase and airway smooth muscle tone in normal and allergen sensitized rabbits. *Respir Physiol Neurobiol*. 2007 Jun 15;156(3):345-52. Epub 2006 Nov 30.
40. Khan AM, Atkins CL, Xue H, Holian A, Stark JM, **Colasurdo GN**. SP-A depletion enhances Particulate Matter (PM)-induced changes in airway responsiveness and inflammation in mice. Submitted.
41. Schechter MG, Morandi M, Holian A, Khan AM, Atkins CL, Jon CK, Stark JM, **Colasurdo GN**. Functional and Cellular Response to LPS and Particulate Matter (PM-1648, PM-Hou) in Developing Mice. Submitted.
42. Reverdin AK, Stark JM, Khan AM, Atkins CL, Jon CK, Larsen GL, **Colasurdo GN**. Susceptibility to RSV Infection and Persistent Airway Dysfunction in Inbred Mouse Pups: Influence of Genetic Background and Host Response. Submitted.
43. Jon JK, Stark JM, Khan AM, Alcorn JL, Atkins CL, Schechter MG, **Colasurdo GN**. Genetic Susceptibility to RSV in Inbred Mouse Pups: Role of Leukotriene Signaling. In preparation.
44. Reverdin AK, Khan AM, Das S, Atkins CL, Jon CK, **Colasurdo GN**. Determinant of Disease Severity after RSV Infection in Young and Aged Mice. In preparation.
45. Alcorn JL, Atkins CL, Khan AM, Stark JM, **Colasurdo GN**. Regulation of Surfactant Protein-A (SP-A) Protein in Human Lung Epithelial Cells after Infection with Respiratory Syncytial Virus. In preparation.
46. Reverdin A, Morris AP, Morris AP, Umar S, Kao YJ, **Colasurdo GN**. Effect of respiratory syncytial virus on calcium mobilization in transformed human lung epithelial cells. In preparation.

### C. Invited Articles and Chapters

1. **Colasurdo GN** and Larsen GL. Airway Hyperresponsiveness. In "*Asthma and Rhinitis*". WW Busse and ST Holgate. Eds. Blackwell Science, 1044-1056, 1994.

2. Elidemir O, **Colasurdo GN**, and Fan LL. Acute asthma in children. *In: Acute Asthma - Assessment and Management*. Eds. McGraw-Hill, 257-277, 2001.
3. Larsen GL and **Colasurdo GN**: Animal Models of Asthma: *The Lung Scientific Foundation*. Second Edition. RG Crystal, JB West, ER Weibel, PJ Barnes. Raven Press, New York, 1315-1331, 1997.
4. **Colasurdo GN** and Larsen GL: Airway Hyperresponsiveness. *In "Asthma and Rhinitis"*. WW Busse and ST Holgate. Eds. Blackwell Science, 1248-1260, 2001.
5. Larsen LL and **Colasurdo GN**. Assessment and treatment of acute asthma in children and adolescents. *In: Textbook of Pediatric Asthma – An International Perspective*. CK Naspitz, SJ Szefer, DG Tinkelman, JO Warner. Eds: Martin Dunitz Ltd, London, UK, 189-210, 2001.
6. Stark JM and **Colasurdo GN**. Lung Defenses. In: Wilmott WW, Boat TF, Chernick V, Eds. Disorders of the Respiratory Tract in Children, 7th Edition. WB Saunders Co, Philadelphia, PA. 2006.

#### D. Other

1. Makimoto A, Pearson MG, Jaffe N and **Colasurdo GN**. Eosinophilic pneumonia in an infant. *Med. Pediatr Oncol.* 38:75-76, 2002.
2. **Colasurdo GN** and Fan LL. Hypersensitivity pneumonitis in children. In: Up-to-date in Pulmonary and Critical Care Medicine/American Thoracic Society, 2001.
3. **Colasurdo GN** and Fan LL. Hypersensitivity pneumonitis in children. In: Up-to-date in Pulmonary and Critical Care Medicine/American Thoracic Society, 2002.

#### PRESENTATIONS (selected from over 100)

1. **Colasurdo GN**, Hamming VG, Prince GA, Loader JE, Graves JP, Larsen GL: Effect of human respiratory syncytial virus on neural control mechanisms in cotton rat airways in vitro. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
2. **Colasurdo GN**, Gelfand AS, Loader JE, Larsen GL. Nonadrenergic noncholinergic inhibitory system in young and adult rabbits: effect of epithelium removal. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
3. **Colasurdo GN**, Loader JE, Gelfand AS, Larsen GL. Effect of contractile agents on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
4. **Colasurdo GN**, Loader JE, Graves J, Gelfand AS, Larsen GL: Effects of human intravenous immunoglobulin on allergen-induced alterations of neural control mechanisms in

rabbit airways. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*

5. **Colasurdo GN**, Loader JE, Larsen GL: Vasoactive Intestinal Peptide modulates cholinergic neurotransmission in vitro in airways from normal but not allergen-challenged immune rabbits. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
6. **Colasurdo GN**, Loader JE, Gelfand AS, Larsen GL: Effect of substance P-induced airway smooth muscle on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
7. **Colasurdo GN**, Loader JE, Graves JP, Larsen GL: Effect of corticosteroids on nonadrenergic noncholinergic inhibitory responses in rabbit airways in vitro. *Presented at the 1995 American Thoracic Society International Conference, May 22, Seattle, Washington.*
8. **Colasurdo GN**. *Interactions between allergen sensitization and neuroregulation. Presented at the NHLBI - Division of Lung Diseases Workshop - Effects of growth and development on lung function: models for study of childhood asthma. Bethesda, Maryland; September 19-20, 1996.*
9. **Colasurdo GN**. Animal models of asthma. Type: Research Seminar. Presented at Texas Biotechnology Corporation, April 1996, Houston, Texas.
10. **Colasurdo GN**. RSV bronchiolitis: pathogenesis and therapy. Type: Ground Rounds. Presented to the Department of Pediatrics, UT-Houston Medical School, 1996, Houston, Texas.
11. **Colasurdo GN**, Gelfand AS, Wisell JA, Loader JE, Larsen GL. Mechanism of neurokinin A-induced contraction of airway smooth muscle in normal and allergen-exposed immune rabbits. *Presented at The 1996 American Thoracic Society International Conference, May 10-15, New Orleans, Louisiana.*
12. **Colasurdo GN**, Hemming VG, Prince GA, Gelfand AS, Loader JE, Larsen GL. Human respiratory syncytial virus produces long-lasting alterations of airway function in developing ferrets. *Presented at The 1996 American Thoracic Society International Conference, May 10-15, New Orleans, Louisiana.*
13. **Colasurdo GN**, Wisell JA, Gelfand AS, Loader JE, Larsen GL. Effects of a selective phosphodiesterase IV inhibitor on the airways' nonadrenergic noncholinergic inhibitory system in young and mature rabbits. *Presented at The 1996 American Thoracic Society International Conference, May 10-15, New Orleans, Louisiana.*
14. **Colasurdo GN**. *RSV infection and airway neural control in animal models. American Lung Association/American Thoracic Society - Postgraduate Course "Pediatric Asthma: A to Z". Presented at the 1997 ALA/ATS International Conference, San Francisco, California, May 16, 1997.*

15. **Colasurdo GN**, Kao YJ, Loader JE, Larsen GL. Developmental aspects of cholinergic neurotransmission in rabbit airways in vitro. *Presented at The 1997 American Thoracic Society International Conference, May 16-21, San Francisco, California.*
16. **Colasurdo GN**. Neural control of the airways and asthma. Type: Research Seminar. Presented at the Signal Transduction Seminar Series, Department of Integrative Biology, June 1998.
17. **Colasurdo GN**, Fan TL, Jewell AM, Piedra PA, Larsen GL, Kao YJ. Effect of human respiratory syncytial virus on neutral endopeptidase activity in A549 cells. *Presented at The 1998 American Thoracic Society International Conference, April 24-29, Chicago, Illinois.*
18. **Colasurdo GN**. *RSV and asthma: search for mechanisms. American Lung Association/American Thoracic Society - Postgraduate Course. Presented at the 1999 ALA/ATS Conference, San Diego, California, April 1999.*
19. **Colasurdo GN**. Neural control of the airways in health and disease. Type: Research Seminar. Presented to the Division of Pediatric Pulmonology, Texas Children's Hospital, 1999, Houston, Texas.
20. **Colasurdo GN**. RSV pathogenesis: search for mechanisms. Type: Ground Rounds. Presented to the Department of Pediatrics, UT-Houston Medical School, 1999, Houston, Texas.
21. **Colasurdo GN**. RSV and the autonomic innervation of the lung. Type: Research Seminar. Presented to the Department of Internal Medicine, Baylor College of Medicine, 1999, Houston, Texas.
22. **Colasurdo GN**, Elidemir O, Kao J. Effect of RSV infection on inducible nitric oxide synthase in the lungs of developing mice. *Presented at the 2000 American Thoracic Society International Conference, May 5-10, Toronto, Canada.*
23. **Colasurdo GN**. Respiratory viruses and neuropeptides. Type: Research Seminar. Presented at the Pathology Research Seminar, UT-Houston Medical School, Houston, Texas, June 22, 2000.
24. **Colasurdo GN**. Pathogenesis of RSV infection: search for mechanisms. Type: Research Seminar. Presented to the Department of Pediatrics, University of Michigan, October 2000, Ann Arbor, Michigan.
25. **Colasurdo GN**. Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. October 21, 2000, Orlando, Florida.
26. **Colasurdo GN**. Childhood Asthma: Diagnosis and Therapy. Type: Continuing Medical Education. October 28, 2000, Kansas City.
27. **Colasurdo GN**. Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. November 4, 2000, Ft. Lauderdale, Florida.

28. **Colasurdo GN.** Role of nitric oxide in the pathogenesis of RSV infection. Type: Research Seminar. Presented at The Center for Environmental Science, School of Pharmacy, University of Montana. November 2000, Missoula, Montana.
29. **Colasurdo GN.** Childhood Asthma: Pathogenesis and Chronic Therapy. Type: Ground Round. Presented at the University of Montana, School of Pharmacy. November 2000. Missoula, Montana.
30. **Colasurdo GN.** Childhood Asthma: What We Know and What We Need to Know. Type: Research Seminar. November 25, 2000, San Francisco, California.
31. **Colasurdo GN.** Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. Sponsored by the University of Texas-Houston Medical School: Asthma Management in the 21<sup>st</sup> Century, December 2, 2000, Houston, Texas.
32. **Colasurdo GN.** Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. December 9, 2000, Little Rock, Arkansas.
33. **Colasurdo GN.** Childhood Asthma: What We Know and What We Need to Know. Type: Research Seminar. March 14, 2001, Phoenix, Arizona.
34. **Colasurdo GN.** Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. Sponsored by the University of Texas-Houston Medical School: Asthma Management in the 21<sup>st</sup> Century, August 4, 2001, Houston, Texas.
35. **Colasurdo GN.** Asthma and Wheezing in Children: Diagnosis and Therapy. Type: Continuing Medical Education. September 26, 2001, San Antonio, Texas.
36. **Colasurdo GN.** Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. April 7, 2001, Newport Beach, California.
37. **Colasurdo GN.** Childhood Asthma: New Advances in Pathogenesis and Therapy. Type: Continuing Medical Education. April 28, 2001, Anaheim, California.
38. **Colasurdo GN, Elidemir O, Khan AM, Martinez FD, Larsen GL.** Cysteinyl leukotriens and airway hyperresponsiveness in the mouse model of RSV infection. Presented at the International Conference on *RSV after 45 Years*, Segovia, Spain, October 2001.
39. **Colasurdo GN, Elidemir O, Khan AM, Epstein C, Martinez FD, Larsen GL.** Functional and immune interactions between RSV infection and allergen sensitization. Presented at the International Conference on *RSV after 45 Years*, Segovia, Spain, October 2001.
40. **Colasurdo GN, Larsen GL, Elidemir O, Khan AM, Kao YJ.** Effects of RSV infection on nitric oxide synthase isoforms in murine lungs. Presented at the International Conference on *RSV after 45 Years*, Segovia, Spain, October 2001.
41. **Colasurdo GN.** Wheezing in children: how many phenotypes? Type: Research Seminar. Presented to the Division of Pulmonary and Critical Care Medicine, UT-Houston Medical School, November 2001, Houston, Texas.

42. **Colasurdo GN.** Childhood Asthma: What We Know and What We Need to Know. Type: Research Seminar. February 16, 2002, Kansas City, Kansas.
43. **Colasurdo GN.** Asthma and Wheezing in Children: Diagnosis and Therapy. Type: Continuing Medical Education. April 23, 2002, Victoria, Texas.
44. **Colasurdo GN.** Viruses and asthma: what we know and what we need to know. Type: Research Seminar. Presented at the Signal Transduction Seminar Series, Department of Integrative Biology, UTHSCH, Houston, Texas, May 24, 2002.
45. **Colasurdo GN.** Current Treatments in the Management of Pediatric Asthma, Continuing Medical Education, October 9, 2002, Orange, California.
46. **Colasurdo GN.** Current Treatments in the Management of Pediatric Asthma, Continuing Medical Education, October 15, 2002, Houston, Texas.
47. **Colasurdo GN.** Current Treatments in the Management of Pediatric Asthma, Continuing Medical Education, October 29, 2002, Dallas, Texas.
48. **Colasurdo GN.** State of the Science: The Role of Viral Infections in Atopy and Asthma – PDG. Continuing Medical Education. December 3, 2002, National Jewish Medical and Research Center, Denver, Colorado.
49. **Colasurdo GN.** Current Treatments in the Management of Pediatric Asthma, Continuing Medical Education, January 20, 2003, San Diego, California.
50. **Colasurdo GN.** Current Treatments in the Management of Pediatric Asthma, Continuing Medical Education, January 29, 2003, Oak Brook, Illinois.
51. **Colasurdo GN.** Biologic Consequences of Leukotrienes, Continuing Medical Education, February 5, 2003, Greensboro, North Carolina.
52. **Colasurdo GN.** Treatment Options for Persistent Asthma, Continuing Medical Education, March 13, 2003, Shreveport, Louisiana.
53. **Colasurdo GN.** Viral-Induced Bronchiolitis, Continuing Medical Education, April 12, 2003, New York, New York.
54. **Colasurdo GN.** Treatment Options for Persistent Asthma, Continuing Medical Education, May 27, 2003, Dallas, Texas.
55. **Colasurdo GN.** Treatment Options for Persistent Asthma, Continuing Medical Education, July 24, 2003, Corpus Christi, Texas.
56. **Colasurdo GN.** Pathophysiology and therapy of status asthmaticus. Pediatric Education Day, February 19, 2004. Memorial Hermann Children's Hospital, Houston, Texas.
57. **Colasurdo GN.** Childhood Asthma: pathogenesis and therapy. September 14, 2004. Dallas, Texas.

58. **Colasurdo GN.** Wheezing in Children: When RAD Becomes Asthma. October 5, 2004. Victoria, Texas.
59. **Colasurdo GN.** Link between RSV and Asthma in Children. November 4, 2004. San Antonio, Texas.
60. **Colasurdo GN.** Goals of Asthma Therapy in Children. March 23, 2005. Houston, Texas.
61. **Colasurdo GN.** Asthma and Wheezing in Children. Family Medicine Lecture Series. The University of Texas Houston Medical School. June 15, 2005. Houston, Texas.
62. **Colasurdo GN.** Animal Models of RSV Infection. RSV Diligence Group. July 7, 2005. Boston, MA.
63. **Colasurdo GN.** Gene-Environment Interactions in Early Life and Airway Dysfunction. 16<sup>th</sup> Annual Extracorporeal Life Support Conference. September 17, 2005. Houston, Texas.
64. **Colasurdo GN.** Asthma and Wheezing in Children: What We Know and What We Need to Know. Memorial Hermann Memorial City Pediatric Round Table Meeting. October 11, 2005. Houston, Texas.
65. **Colasurdo GN.** Asthma and Wheezing in Children: What We Know and What We Need to Know. Memorial Hermann Katy Hospital Pediatric Section Meeting. October 12, 2005. Houston, Texas.
66. **Colasurdo GN.** Cardio-pulmonary Interactions. Second Annual Pediatric Cardiology for the Primary Care Physician Conference. Children's Memorial Hermann Hospital. October 20, 2006. Houston, Texas.
67. **Colasurdo GN.** The Department of Pediatrics: Our People are Inventing the Future. Grand Rounds. University of Texas Medical School at Houston-Department of Pediatrics. February 20, 2007. Houston, Texas.