

CURRICULUM VITAE



Name: **David Gozal, MD, MBA**
The Herbert T. Abelson Professor of Pediatrics
Pritzker Scholar

Business Address: Department of Pediatrics
The University of Chicago
Knapp Center for Biomedical Discovery, Room 4100
900 E. 57th Street, Mailbox 4
Chicago, IL 60637

Place of Birth: Tangier, Morocco

Languages: English, French, Spanish, Portuguese and Hebrew (Native/ Full Professional Proficiency)
Italian, Farsi, Arabic (Elementary Proficiency)

EDUCATION

High School: Liceu Normal D. Manuel II (now named Rodrigo de Freitas),
1964-1970 Porto, Portugal.

Undergraduate: Hebrew University of Jerusalem, Jerusalem, Israel.
1970-1973

Medical School: Hadassah Medical School, Hebrew University of Jerusalem,
1973-1979 Jerusalem, Israel.

2/1983 Doctor of Medicine degree

Graduate Training: Global Executive MBA, Georgetown University/ESADE, 2014-
2015

Internship:
1/1980-12/1980 Hadassah University Medical Center, Jerusalem, Israel.
7/1978-10/1978 Rotating internship in Pulmonary Medicine under Prof. René
Pariente. Beaujon Hospital, Clichy, Paris, France.

Residency:
1980 – 1982 Resident, Department of Pediatrics, Bikur Cholim Hospital,
Jerusalem, Israel.
1986 – 1988 Chief Resident, Department of Pediatrics, Haifa Medical Center,
Haifa, Israel.
7/1992 – 6/1993 Special PL-3 Resident, Children’s Hospital Los Angeles, Los
Angeles, CA.

Fellowship:
7/1990 – 6/1992 Children’s Hospital Los Angeles, Division of Neonatology and
Pediatric Pulmonology. Fast tracking approved by the Sub-
Specialty Boards of Pediatric Pulmonology, American Board of
Pediatrics.

Licensure:

- Illinois State License #036.122912 2009-present
- Kentucky State License # 35391- 1999-2009 (inactive)
- Indiana State License #01058585A – 2004 - present
- Louisiana State License # 10563R – 1994-2003 – (inactive)
- California State License # A052208 - 1993 - present

- Israel Medical License # 16951

Board Certifications:

- Hyperbaric and Diving Medicine Certificate.
- Israel Pediatric Specialty Boards.
- Israel Pediatric Pulmonology Subspecialty Boards.
- American Board of Pediatrics, 1993; Recertified 1999, 2007-2017; #51021
- American Pediatric Pulmonology Subspecialty Boards, 1994; Recertified 2000-2008, and 2008-2018, #404
- American Board of Sleep Medicine #1591; ABP Sleep Medicine Board re-certified in 2007-2017

PROFESSIONAL BACKGROUND

Current Position:

6/ 2014-present	The Herbert T. Abelson Professor, Department of Pediatrics, Pritzker School of Medicine, Biological Sciences Division, The University of Chicago.
4/2009 -present	Pritzker Scholar.
7/2012-present	Member, Committee on Neurobiology and Neurociences, Biological Sciences Division, The University of Chicago
1/2015 - present	Member, The Grossman Institute for Neuroscience and Quantitative Biology
2/2015-present	Affiliate Member, Comprehensive Cancer Center, The University of Chicago
7/2017- present	Member, Microbiome Medicine Program (MMP), and the UChicago Microbiome Center

Previous Positions:

2/ 2009-5/2014	The Herbert T. Abelson Professor and Chair, Department of Pediatrics, Pritzker School of Medicine, Biological Sciences Division, The University of Chicago, Physician-in-Chief, Comer Children's Hospital, Chicago, IL.
10/1999- 1/2009	Children's Hospital Foundation Chair for Pediatric Research and Distinguished University Scholar. Professor of Pediatrics, Pharmacology and Toxicology. Vice-Chair for Research, and Director of Kosair Children's Hospital Research Institute. Director of Sleep Medicine Fellowship, Department of Pediatrics, University of Louisville School of Medicine. Faculty Member, Graduate School, University of Louisville, KY.
2/2004-12/2008	Professor of Psychology & Brain Sciences.

1/2000-10/ 2004 & 2/ 2006-1/2009	Director, Division of Pediatric Sleep Medicine, Department of Pediatrics, The University of Louisville School of Medicine.
6/1998 – 9/1999 5/1998 – 9/1999	Constance S. Kaufman Chair of Pediatric Pulmonary Research, Vice-chair for Research, Department of Pediatrics, Tulane University School of Medicine.
8/ 1997- 9/ 1999	Director, Tulane University Comprehensive Sleep Medicine Center.
7/1997 – 9/1999	Professor of Pediatrics with tenure and Adjunct Professor of Physiology, Tulane University School of Medicine.
5/1997- 9/1999	Graduate Faculty Member, Molecular and Cellular Biology Graduate Program, Tulane University.
7/1996 – 9/1999	Director Pediatric Pulmonology Fellowship Program, Tulane University School of Medicine.
7/1994 – 9/1999	Graduate Faculty and Steering Committee Member, Interdepartmental Neuroscience Program, Tulane University School of Medicine.
7/1994 -6/1997	Associate Professor of Pediatrics and Adjunct Associate Professor of Physiology, Director of Research, Section of Pediatric Pulmonology, Department of Pediatrics,
7/1993 – 6/1994	Associate Research Anatomists, Step II, Department of Anatomy and Cell Biology, University of California at Los Angeles School of Medicine
7/1993 – 6/1994	Attending Pediatric Pulmonologist and Assistant Professor of Pediatrics, Children's Hospital Los Angeles, Department of Pediatrics, University of Southern California School of Medicine
8/ 1991 – 6/1993	Visiting Assistant Researcher at Brain Research Institute, University of California at Los Angeles School of Medicine

David Gozal, MD, MBA

1/1991 – 6/1993	Visiting Assistant Professor of Clinical Pediatrics, School of Medicine, University of Southern California, Los Angeles, California.
9/1988 -1998	Medical and Scientific Consultant and Associate Professor of Physiology, National Institute for Youth and Sports, Yaoundé, Cameroon.
1988-1990	Medical Advisor to the Presidency of Cameroon
9/1988 – 7/1990	Lecturer in Pediatrics, Centre Universitaire des Sciences de la Santé. (C.U.S.S.), University of Yaoundé, Cameroon.
1/1984 – 9/1988	Director, Pediatric Pulmonology Outpatient Clinic, Haifa Medical Center.
1981-1986	Medical Officer, Israel Defense Forces Medical Corps. Discharged honorably at the rank of Lt. Colonel.

HONORS, AWARDS & DISTINCTIONS:

1983	Dr. Joseph Shmerler Award Medical Degree thesis entitled, " <i>Infective endocarditis in Jerusalem 1970-1980: A comparative study of native and prosthetic valves</i> " was awarded the Dr. Joseph Shmerler Award as the outstanding thesis for 1983 at the Hadassah Medical School, Hebrew University of Jerusalem.
1990	Ziegler Award The Outstanding Young Medical Scientist of the Faculty of Medicine, Technion-Israel Institute of Technology in Haifa for conducting a research project entitled, " <i>Water, electrolyte and endocrine homeostasis in infants with bronchiolitis.</i> "
1990	Chevalier de l'Ordre du Mérite du Cameroun Title of " Chevalier de l'Ordre du Mérite du Cameroun " (Knight of the Order of Merit of Cameroon) by the Government of Cameroon, for contributions to the improvement of rural medical care.

1992	Southwestern Pediatric Society: Merle Carson Lectures: 2nd Place Award: \$ 300. Topic: " <i>Resting metabolic expenditure in cystic fibrosis: Evolution during treatment for pulmonary exacerbation.</i> "
1993	Southwestern Pediatric Society Merle Carson Lectures: 1st Place Award: \$ 1,000. Topic: " <i>Localization of Putative Neural Respiratory Regions in the Human by Functional Magnetic Resonance Imaging.</i> "
1995	Visiting Professor, Université Claude Bernard Lyon 1, Lyon, France, September 1995.
1997-1998	President, Louisiana Chapter of the Society for Neuroscience
7/1997 – 9/1999	Elected to Steering Committee, Interdepartmental Neuroscience Graduate Training Program, Tulane University School of Medicine.
1999	The William C. and Ruth P. Griffith Visiting Professor, Riley Hospital for Children, September 8-9, 1999, Indianapolis, IN.
2001-2003	Chair, Respiratory Neurobiology and Sleep Assembly, Board of Directors, American Thoracic Society.
2000	Heritage Foundation Visiting Scholar, University of Calgary and University of Alberta at Edmonton, June 22-27, 2000.
2001	Keynote Speaker, 14 th Annual Scientific Meeting of the Australasian Sleep Association, October 12-14, 2001, Adelaide, Australia.
2001	Benjamin Burrows Visiting Professor, Arizona Respiratory Center, University of Arizona, 28-30 November 2001, Tucson, AZ.
2002	J. Burns Amberson Lecturer, American Thoracic Society International Conference, 19 May 2002, Atlanta, GA.
2002	Anna Zager Lecturer, 16 th Annual Anna Zager Symposium on Pediatrics, 4 September 2002, Technion Faculty of Medicine, Haifa Israel.

David Gozal, MD, MBA

2004	Finalist candidate for Secretary Treasurer of the American Thoracic Society, 2004.
2004	Special Invited Lecture, Society for Neuroscience Annual Conference, San Diego 2004.
2005	The Frank G. Standaert Lectureship in Pharmacology, Georgetown University School of Medicine, January 11, 2005, Washington, DC.
2005	Annenberg Award , 23rd Annual Conference on Sleep Disorders in Infants and Children, Rancho Mirage, CA, January 15, 2005.
2005	Distinguished Faculty Award in Outstanding Scholarship, Research and Creative Activity , University of Louisville, 13 April 2005
2006	Pfizer Visiting Professor, Department of Neurology, Vanderbilt University, Nashville, TN, 2006
2007	Pfizer Visiting Professor, Department of Pediatrics, UMDNJ-Robert Wood Johnson, New Brunswick, NJ, 2007
2008	Visiting Professor, Division of Sleep Medicine, Harvard School of Medicine, Boston, MA, 2008
2008	Invited Keynote Speaker, SLEEP 2008, Baltimore, MD, 10 June 2008.
2009-present	Pritzker Scholar, The University of Chicago.
2010	Keynote Speaker, American Academy of Clinical Sleep Dentistry, Carefree AZ, November 2010
2011	Keynote Speaker, 2 nd International Pediatric Sleep Association Conference, December 2011, Rome, Italy
2011	Elected to Membership by the Association of American Physicians
2013	Recipient of the William C. Dement Academic Achievement Award of the American Academy of Sleep Medicine

2013-2016	Elected as Member of Board of Directors, Sleep Research Society
2013	The 54 th Samuel W. Clausen Visiting Professor, Department of Pediatrics, University of Rochester School of Medicine
2013	Elected Secretary Treasurer, American Thoracic Society 2014- Vice-President 2015 – President-Elect 2016 – President 2017 – Immediate Past-President
2014-2015	President, Illinois Sleep Society
2014	Elected as Inaugural Foundation Fellow of the European Respiratory Society
2014	Keynote Speaker, 4th International Pediatric Sleep Association Conference, December 2014, Porto Alegre, Brazil
2015	Keynote Speaker, Sociedad Chilena de Sueño Bi-Annual Conference, May 26-28, 2015, Coquimbe, Chile
1997-present	Best Doctors in America
2015	Keynote Speaker, 26 th Congress of the Brazilian Thoracic Society, August 2015, Campos do Jordao, Brazil
2015	Kenote Speaker, Canadian Sleep Society Conference, Toronto, Canada September 2015
2016	Lifetime Achievement Award, National Sleep Foundation
2016	Phillip George Lectureship, Le Bonheur Children’s Hospital, The University of Tennessee, Memphis, TN
2017	Visiting Professor, Juntendo University, Tokyo, Japan, April 2017
2017	Visiting Professor, Keio University, Tokyo, Japan, April 2017

GRANTS & RESEARCH SUPPORT:

Completed:

1990-1991	Recipient of an "American Physician Fellowship Inc. for Medicine in Israel".
1/1991-12/1991	Principal investigator, H.N. & Frances C. Berger Foundation Grant on " <i>The ventilatory response to hypoxia and hypercapnia in cystic fibrosis before and after a short exposure to high inspired oxygen</i> ", 1/1991-12/1991. (Direct Costs: \$ 50,000). Sponsored by: Thomas G. Keens, M.D.
1/1992-12/1992	Principal investigator, H.N. & Frances C. Berger Foundation Grant on " <i>Antigen presentation by immunocompetent cells in cystic fibrosis</i> ", 1/1992-12/1992. (Direct Costs: \$ 60,000). Sponsored by: Sharyn M. Walker, Ph.D.
1/1992-12/1992	Principal investigator, H.N. & Frances C. Berger Foundation Renewal Grant on " <i>The ventilatory response to hypoxia and hypercapnia in cystic fibrosis before and after a short exposure to high inspired oxygen</i> ", 1/1992-12/1992. (Direct Costs: \$ 10,000). Sponsored by: Thomas G. Keens, M.D.
7/1992 – 6/1995	Recipient of a "Parker B. Francis Fellowship in Pulmonary Research" for the period of July 1992 - June 1995 for a research project entitled " <i>Assessment by optical imaging of maturational patterns of central nervous system areas associated with respiratory control in the cat</i> ". (Direct Costs: \$ 105,000). Sponsored by: Thomas G. Keens, M.D. and Ronald M. Harper, Ph.D.
7/1993-6/1994	Co-Investigator, Programme Pluriannuel de Recherche, Région Rhône-Alpes, France, \$20,000. Topic: " <i>Apport Glucidique apres Depletion des Reserves de Glycogene: Mobilisation des Substrats et Performance</i> ", July 1993-June 1994.
7/1993 – 6/1994	Co-Investigator, National Heart Lung and Blood Institute, Grant HL22418-16, on " <i>Neural Control of Cardiorespiratory Function</i> ". July 1993 - June 1994. Percent effort: 100%. Principal Investigator: Ronald M. Harper, Ph.D.

4/1994-6/1999	Clinical Investigator Development Award - National Institute of Child Health and Development, 1-K08-HD01072, 4/1994-6/1999 (Total direct costs: \$ 354,923) for a research project entitled: " <i>Maturation of Neural Respiratory Sites: Relation to SIDS.</i> "
7/1995- 9/1999	Maternal Child Health Public Health Service Training Grant Project MCJ- 229163, July 1995- September 1999. " <i>Pediatric Pulmonology Training Consortium</i> "
7/1997-6/2000	Principal Investigator, American Lung Association Career Development Award, CI-002-N, 7/1997-6/2000 (Total direct costs \$ 105,000) for research project entitled: " <i>Central Role of Platelet-Activating Factor in the Hypoxic Ventilatory Response.</i> "
2001	Principal Investigator, WHAS Crusade for Children (\$9,000), Louisville, KY, "Screening for Infants Who Might Be at Risk for SIDS", 2001.
1/2000-12/2002	Principal Investigator, American Heart Association, AHA-0050442N, 1/2000- 12/2002 (Direct Costs: \$ 214,500) for research project entitled: Sleep Episodic Hypoxia and Memory Deficit in Aging Rats: Protection by Platelet-Activating Factor Antagonists.
10/1/1999-9/1/2003	Principal Investigator, National Heart Lung and Blood Institute, RO-1 HL65270, 10/1/1999-9/1/2003 (Direct Costs: \$ 1,000,000) for research project entitled: Neurocognitive Function in Snoring Children.
8/1/2001-7/31/2003	Principal Investigator, Itamar Ltd., 8/1/01-7/31/03 (Total Costs: \$60,000) for research project entitled: Pulse Arterial Tonometry in Sleeping Children.
7/1/2001-9/30/2003	Principal Investigator, Department of Education, H324E011001, (Total Costs: \$ 921,000) for research project entitled: <i>Sleep Associated Learning Morbidity in 3-4 Year Old Children.</i>
3/1/2002-8/31/2003	Principal Investigator, Minority Supplement Grant for RO-1 HL65270, 3/1/02-8/31/2003 (Direct Costs: \$ 200,000) for research project entitled: <i>Neurocognitive Function in Snoring Children.</i>
06/01/2002-5/31/2004	Co-Investigator, Department of Defense, for DARPA BAA 02-01

	06/01/02-5/31/04 (Direct Costs: \$ 350,000) for research project entitled: <i>Whole-Body Hypoxic Pre-Conditioning</i> . (Yang Wang, M.D., Ph.D., P.I.)
7/1/2002-6/30/2004	Principal Investigator, Centers for Disease Control, 7/1/2002-6/30/2004 E11/CCE 422081-01(Total Costs: \$ 494,000) for research project entitled: <i>Reversal of Learning Deficits in 3-4 Year Old Children with Obstructive Sleep Apnea</i> .
9/1/2000-6/30/2005	Principal Investigator, National Heart Lung and Blood Institute, RO1-HL63912 9/1/2000-6/30/2005 (Direct Costs: \$ 900,000) for research project entitled: <i>REM Sleep Deprivation, Hypoxia, and Hippocampal Function</i> .
1/1/2004-12/31/2004	Principal Investigator, Astra-Zeneca, <i>Intranasal Budesonide In Children With Rhinitis And/Or Mild Obstructive Sleep Apnea Syndrome</i> (Direct Costs: \$123,200), 1/1/04-12/31/04.
10/1/2000-6/30/2004	Co-Investigator, National Heart Lung and Blood Institute, RO1-HL66358, 10/1/2000-6/30/2004, (Direct Costs: \$ 700,000) for research project entitled: <i>Proteomic Analysis of Hippocampal Hypoxic Vulnerability</i> . (Jon B. Klein, M.D., Ph.D., P.I.)
2/1/03-1/31/07	Co-Investigator, National Institute Neurological Disease and Stroke, NS-045829 2/1/03-1/31/07 (Direct costs: \$1,150,000) for research project entitled: <i>ROS in Intermittent Hypoxia-Mediated Neuronal Cell Death</i> . (Rugao Liu, Ph.D., P.I.)
10/1/03-6/30/07	Co-Investigator, National Heart Lung and Blood Institute, RO-1 HL-75080 10/1/03-6/30/07 (Direct Costs: \$ 900,000) for research project entitled: <i>Altered glucose homeostasis by sleep impairment</i> . (Paul N. Epstein, Ph.D., P.I.).
10/1/03-6/30/07	Co-Investigator, National Heart Lung and Blood Institute, RO-1 HL-75034-01 10/1/03-6/30/07 (Direct Costs: \$ 1,000,000) for research project entitled: <i>ROS in Episodic Hypoxia-Induced Cardiovascular Dysfunction</i> . (Rugao Liu, Ph.D., P.I.).
02/01/04-01/31/07	Co-Investigator, NIH, National Heart Lung and Blood Institute, R01 HL-74369-01 02/01/04-01/31/07 (Direct Costs: \$1,000,000) for research project entitled: <i>Monocarboxylate Transporter in Hypoxic Pre-Conditioning</i> . (P.I.: Yang Wang, M.D., Ph.D.)

10/01/04-06/30/08	Co-Investigator, Department of Defense, 10/01/04-06/30/08 (Direct Costs: \$ 550,000/year) for research project entitled: <i>Whole-Body Hypoxic Pre-Conditioning in Hemorrhagic Shock</i> . (Yang Wang, M.D., Ph.D., P.I.)
5/1/03-4/30/08	Co-Investigator, National Institute of Aging, AG 21020-01, 5/1/03-4/30/08 (Direct Costs: \$1,225,000) for research project entitled: <i>Aging, Episodic Hypoxia, and Vagal Cardiac Projections</i> . (Jack Zixi Cheng Ph.D., P.I.)
08/01/02-07/31/07	Student Mentor, National Cancer Institute, NCI R25 CA44789, 08/01/02-07/31/07, Cancer Education Grant Program, (Norbert Burzinski, Ph.D., PI)
1/1/03-12/31/08	Co-Investigator, National Heart Lung and Blood Institute, RO-1 HL-58727 1/1/03-12/31/08 (Direct Costs: \$1,100,000) for research project entitled: <i>Role of Vagal Afferents in Hyperpnea</i> . (Jerry Yu, Ph.D., P.I.).
3/1/2002-3/30/2008	Principal Investigator, National Heart Lung and Blood Institute, RO1-HL69932-05, 3/1/2002-3/30/2008 (Direct Costs: \$ 1,000,000) for research project entitled: <i>Postnatal Brain Susceptibility to Intermittent Hypoxia</i> .
6/1/03-5/31/08	Principal Investigator, National Heart Lung and Blood Institute SCOR 2P50HL-60296-06, Project 2, 6/1/03-5/31/08 (Direct Costs: -\$1,000.000) for research project entitled: <i>MCT, Intermittent Hypoxia, and Stroke</i> (P.I. Jerry Siegel, Ph.D.).
10/2006-6/2011	Principal Investigator, University of Louisville Site, National Heart Lung and Blood Institute, Multi-Center Study HL-083075 on “ <i>Tonsillectomy and Adenoidectomy in Children with Sleep Disordered Breathing</i> ”. (P.I. Susan Redline, M.D.)(Direct Costs for UofL Site: approx. \$200,000/year), 10/2006-6/2011.
07/01/04-06/30/09	Co-Investigator, NIH, National Heart Lung and Blood Institute RO1 HL-70911, 07/01/04-06/30/09 (Direct Costs: \$1,250,000) for research project entitled: <i>Sleep and Sleep Disorders In Children</i> . (P.I.: Dennis L. Molfese, Ph.D.)
7/2008-6/2014	Principal Investigator, National Heart Lung and Blood

	Institute RO1 HL086662 7/2008-6/2014 (Total Costs: \$1,500,000) for research project entitled: <i>Oxidative stress in a murine model of sleep apnea</i>
2/2009-6/2014	Co-Principal Investigator, National Heart Lung and Blood Institute U10 HL098096 (PI, Smith) Chicagoland Metropolitan AsthmaNet Consortium (CMAC)
5/1/2011-4/30/2013	Principal Investigator, National Heart Lung and Blood Institute P50 HL107160-01, 5/1/2011-4/30/2014 (Total Award: \$600,000) for research project entitled: <i>Validation of Urinary Biomarkers in Diagnosis of Pediatric OSA</i>
01/01/12 – 12/31/13	Principal Investigator, ResMed, Limited, 01/01/12 – 12/31/13 (\$99,690) for research project entitled: <i>Urine-Based Biomarkers in Adult Sleep Apnea</i>
6/1/2010-11/30/2015	Principal Investigator, National Heart Lung and Blood Institute, RO-1 HL65270-12 (Total Direct Costs: \$ 2,000,000) for research project entitled: <i>Neurocognitive Function in Snoring Children.</i>
11/01/2015-10/31/2016	Co-Investigator, NHLBI 1R43HL129390-01(PI: Subramanian K) Direct Costs: \$175,000 on project entitled: <i>“Development of biomarker panels for point-of-care assessment of sleep disorders”</i>

Active:

09/01/2013-06/30/2018 Co-Principal Investigator, National Heart Lung and Blood
Institute 1K12HL119995-01
Training of Junior Faculty for Careers in Omics of Lung Diseases

01/01/2015 – 01/31/20 Co-Investigator, National Institute of Neurological Sciences and
Stroke R01 NS034939 (PI: Brian Popko)
Direct costs: \$218,750/year on research project entitled:
*“Targeting the Integrated Stress Response to Protect
Oligodendrocyte lineage Cells.”*

04/15/2016-03/31/2021 Co-Investigator, NIH RO1 1R01HL130984-01– *“Exosomes, Blood
Brain Barrier, and Cognitive Function in Pediatric OSA”* –(PI:
Leila Kheirandish-Gozal) - Direct Costs: \$480,000/year.

Submitted:

07/1/2018-6/30/2023 Principal Investigator 1 R01 HL140548-01– *“Plasma Exosomes
and Vascular Dysfunction in Adults with Sleep Apnea”*
Received 28%; will be resubmitted in March 2018.

4/01/2018-3/31/2021 Principal Investigator DOD– *“Sleep Apnea, Circulating Exosomes
And Cutaneous Melanoma in US Veterans ”*.

SOCIETY & ORGANIZATIONAL MEMBERSHIPS:

- 1980 - 1999 Israel Medical Association
- 1986 -1999 Israel Clinical Pediatric Association
- 1986 -1999 Israel Pediatric Pulmonology Association
- 1991 American Thoracic Society
- 1991 American College of Chest Physicians
- 1992 - 1999 American Medical Association
- 1993 Society for Neuroscience
- 1993 American Physiological Society
- 1994 American Academy of Pediatrics
- 1994-1999 Greater New Orleans Pediatric Society
- 1994-1999 Louisiana Chapter of the Society for Neuroscience - President (1997-98)
- 1994 American College of Sports Medicine
- 1995 Sleep Research Society
- 1995 - 2009 Southern Society for Pediatric Research
- 1995 Society for Pediatric Research
- 1996-1999 Louisiana Chapter of the American Thoracic Society / American Lung Association
- 1999 American Sleep Disorders Association / American Academy of Sleep Medicine
- 1999 American Pediatric Society
- 1999 European Respiratory Society
- 1999 - 2009 Kentucky Sleep Society, Kentucky Medical Society
- 2006 International Pediatric Sleep Association (Founding Member)
- 2011 Association of American Physicians
- 2011 Illinois Sleep Society
- 2011 Obesity Society
- 2013 Society of Developmental Origins of Adults Disease (DoHAD)

ad Hoc REVIEWER FOR:

Scientific Journals:

- American Journal of Nutrition and Metabolism
- American Journal of Physiology (Lung Cellular and Molecular Physiology)
- American Journal of Physiology (Regulatory Integrative and Comparative Physiology)
- American Journal of Respiratory and Critical Care Medicine
- Anesthesiology
- Annals of Internal Medicine
- Annals of Neurology
- BBA - Molecular Cell Research
- Behavioral Sleep Medicine
- Brain Research
- Chest
- Circulation
- Clinical Neurophysiology
- Comparative Biochemistry and Physiology
- Diabetes
- Diabetes Care
- European Journal of Applied Physiology
- European Journal of Neuroscience
- European Journal of Pediatrics
- European Respiratory Journal
- International Journal of Obesity
- JAMA
- Journal of Applied Physiology
- Journal of Developmental Neuropsychology
- Journal of Magnetic Resonance Imaging
- Journal of Neurochemistry
- Journal of Neuropathology and Experimental
- Journal of Neurophysiology
- Journal of Neuroscience
- Journal of Obesity Research
- Journal of Perinatology
- Journal of Physiology (London)
- Journal of Sleep Research
- Lancet
- Medicine and Science in Sports and Exercise

- Metabolism
- Microscopy and Research Techniques
- Nature
- Neurology
- Neuropharmacology
- Neuroscience
- Neuroscience Letters
- Obesity
- Pediatric Pulmonology
- Pediatric Research
- Pediatrics
- Peptides
- PNAS
- Respiration Physiology & Neurobiology
- Sleep
- Sleep Medicine
- Sleep Medicine Reviews
- Sleep Research Online
- Stem Cells
- Synapse
- Thorax

Other:

- Alberta Heritage Foundation for Medical Research
- Alberta Lung Association
- American College of Chest Physicians Annual Meeting, 1999, 2001, 2004
- American Thoracic Society Annual Meeting, 1999, 2000, 2001, 2002, 2003, 2005, 2006
- GCRC Study Section; RIBT; Circadian Biology and Sleep, NIH Innovator Awards, Ad Hoc Reviewer - 1994-present
- Grant Reviewer, Italian Research Council - 2009-present
- Grant Reviewer, Swiss Science Foundation – 2011-present
- International Congress for Pediatric Pulmonology (CIPP) 2000, 2002, 2004
- National Institutes of Health Ad Hoc reviewer - RFA-NHLBI-Genomics of Sleep;
- Pediatric Academic Societies Meeting / Reviewer and Topic Chair 1999, 2000, 2004
- Regular Member, Respiratory and Applied Physiology Study Section, NIH - July 2000-June 2004.

- Respiratory and Applied Physiology Study Section; RFA-NIAAA-Alcohol and Microarrays
- Research Competitiveness Program, American Association for the Advancement of Science
- K-Grant Review Panel, NHLBI
- NIH New Innovator Awards Review Panel 2010-2016
- NIH K08 Study Section 2012-2016
- Italian Ministry of Science
- Polish Academy of Sciences
- Bosnia Academy of Sciences
- Canadian Institutes of Health
- INSERM Grant Programs, France
- ATip Avenir, France
- Regular Member, Neuroendocrinology, Neuroimmunology, Rhythms and Sleep (NNRS) Study Section Integrative, Functional and Cognitive Neuroscience IRG, Center for Scientific Review, National Institutes of Health – June 2013-June 2017
- Chair, Special Emphasis Panel, U01 applications submitted in response to RFA-HL-16-015 “Prematurity-Related Ventilatory Control (Pre-Vent): Role in Respiratory Outcomes Clinical Research Centers (CRC)

EDITORIAL BOARDS:

- American Journal of Respiratory and Critical Care Medicine – January 2006-December 2009 **Associate Editor** 2009-2013, 2014-present
- Co-Editor, Proceedings of the American Thoracic Society Virtual Symposium on Adult and Pediatric Sleep-disordered Breathing, 2008
- Current Biomarker Findings – December 2010 – present
- Current Reviews in Pediatrics – June 2004-present
- Editor, Book on “Attention Deficit Hyperactivity Disorder: From Genes to Animal Models to Patients”, David Gozal & Dennis L. Molfese, Humana Press, 2005
- Editor, Special Issue in Developmental Neuropsychology on Psyche and Morpheus, 2009
- Editor, Special Issue Paediatric Respiratory Reviews on “Proceedings of 5th International Congress on Pediatric Pulmonology (CIPP V)”, 2004
- Editor, Special Issue Pediatric Pulmonology on " Proceedings of 6th International Congress on Pediatric Pulmonology (CIPP VI)", 2004
- Editor, Special Issue Pediatric Pulmonology on "Congenital Central Hypoventilation Syndrome", 1997.
- Editor, Special Issue, Respiration Physiology and Neurobiology, 2003
- Frontiers in Sleep and Chronobiology – January 2010-present, **Deputy Editor**
- Journal of Applied Physiology - July 1999- June 2009

- Kheirandish-Gozal L, Gozal D (Eds) . Clinical guide to pediatric sleep medicine. 2012 Humana Press <http://www.springer.com/medicine/internal/book/978-1-60761-724-2>
- Louisville Medicine – July 2007-June 2008
- Minerva Pediatrica - February 2000 – July 2010
- Nature and Science of Sleep – January 2009-January 2016
- Pediatric Pulmonology – September 1999 - present
- Pediatrics & Therapeutics:Current Research – January 2011-June 2013
- Proceedings of the American Thoracic Society/Annals of the American Thoracic Society – January 2005-2016
- Sleep – **Deputy/Associate Editor/Executive Senior Deputy Editor** - January 2003-present
- Sleep Medicine – January 2007- present
- Sleep Medicine Research – January 2010 - present
- Sleep Medicine Reviews – January 2005 - present
- Sleep Science – June 2008 – July 2016
- Vigilia-Sueño – January 2005-January 2017
- Associate Editor, American Journal of Respiratory and Critical Care Medicine – January 2010-July 2013 (July 2013-present - editorial board)
- Respiration Physiology and Neurobiology –2014- 2017
- Journal of DoHAD – February 2014-present
- Co-Editor, Special Issue in Mediators of Inflammation 2015 on “Sleep, Sleep Disorders and Inflammation”
- International Journal of Obesity – May 2015-present
- Neurobiology of Sleep and Circadian Rhythms – September 2015- present
- Editor-in-Chief, Journal of Child Science – January 2016-present
- Associate Editor – Current Sleep Medicine – 2016, 2017– Sleep and Cancer
- Associate Editor – European Respiratory Journal – starting as of Jan 2018

COMMITTEES:

National and International

- Board and Founding Member, International Pediatric Sleep Association, 2006-2011.
- Board of Scientific Advisors. Tulane University Neuroscience Center - January 2001-November 2002.
- Chair and Moderator, Poster Symposium Session on “Hypoxic mechanisms in the CNS”, 2000 American Thoracic Society Annual Meeting, May 7-11, 2000, Toronto, Canada.
- Chair Scientific Committee, Vth International Congress in Pediatric Pulmonology, February 2002, Nice, France.

- Chair, PostGraduate Course on “The Evolving Field of Pediatric Sleep” American Professional
- Chair, 1998 ATS/ALA Annual Meeting Symposium C18 on “Ventilatory Response to Hypoxia: From Neurotransmitters and Receptors to Signal Transduction and Genes, April 28, 1998, Chicago, IL.
- Chair, Associated Professional Sleep Societies Program Committee, American Academy of Sleep Medicine, June 2003- 2007.
- Chair, ATS/ALA Committee on “Indications for Cardiorespiratory Monitoring in Infants and Children”, April 1998-June 2000.
- Chair, Child and Developmental Section, American Academy of Sleep Medicine, June 2007-June 2009
- Chair, Neural Control of Respiration Session II (Respiratory Biology Theme), Experimental Biology 97 Meeting, 9 April 1997, New Orleans, LA.
- Chair, Poster Discussion Session on “Central and Peripheral Chemoregulation”, American Thoracic Society International Conference, May 21, 2003, Seattle, WA.
- Chair, Scientific Session, Society for Neuroscience Meeting, November 4, 2002, Orlando, FL.
- Chair, Scientific Sessions on “Hypoxia/Ischemia II” and on “Control of Breathing”, Society for Neuroscience Meeting, November 8-12, 2003, New Orleans, LA.
- Chair, Symposium on "Care of Patients with Muscular Dystrophy and Neuromuscular Diseases: New Developments, New Dilemmas", American Academy of Pediatrics National Conference, October 20-24, 2001, San Francisco, CA.
- Chair, Symposium on “Basic Neuroscience: Glucose, Oxygen and Cell Survival”, 17th APSS Meeting,, Hyatt Regency, June 6, 2003, Chicago, IL.
- Chair, Symposium on “Intermittent Hypoxia: End Organ Injury, Repair, and Plasticity”, American Professional Sleep Societies Annual Conference, June 5-10, 2001, Chicago, IL.
- Chair, Symposium on “Obstructive Sleep Apnea in Children: Unresolved Issues.” at the 3rd International Congress, World Federation of Sleep Research Societies, 5-9 October, 1999, Dresden, Germany.
- Chair, Symposium on “Sleep Disorders in Children”, 17th APSS Meeting, Hyatt Regency, June 6, 2003, Chicago, IL.
- Chair, Symposium on “Sleep in Infants: Evolving Issues”, APSS 2003, Hyatt Regency, June 5, 2003, Chicago, IL.
- Chair, Symposium on “Spectrum of Oxygen Stress: Implications for Survival Plasticity as It Relates to Mechanisms that Control Breathing”, American Thoracic Society International Conference, May 20, 2003, Seattle, WA.
- Chair, Year in Review Course, 18th APSS Annual Meeting, June 5-10, 2004, Philadelphia, PA.
- Chair, Year in Review Course, 21st SLEEP Annual Meeting, June 9-14, 2007, Minneapolis, MN.

- CME Liaison, APS/SPR Conference Program Planning Committee January 1999-June 2000.
- Co-Chair, Fifteenth Conference on Apnea of Infancy, January 18-20, 1997, Rancho Mirage, California.
- Co-Chair, First International Symposium on Congenital Central Hypoventilation Syndrome, May 11, 1996, New Orleans, Louisiana.
- Co-Chair, Fourteenth Conference on Apnea of Infancy, January 17-20, 1996, Rancho Mirage, California.
- Co-Chair, Pediatrics I Session, Chest 97, Annual American College of Chest Physicians Conference, October 28, 1997, New Orleans, LA.
- Co-Chair, Poster Symposium on "Childhood Obstructive Sleep Apnea Syndrome", ATS International Conference, May 20-23, 2001, San Francisco, CA.
- Co-Chair, Poster Symposium on "Postnatal Control of Breathing: Maturation", ATS International Conference, May 20-23, 2001, San Francisco, CA.
- Co-Chair, Post-Graduate Course on "Respiratory Complications of Pediatric Neuromuscular Disease", ATS International Conference, May 17, 2002, Atlanta, GA.
- Co-Chair, Sixteenth Conference on Apnea of Infancy, January 15-17, 1998, Rancho Mirage, California.
- Co-Chair, Symposium on "Neurobehavioral Consequences of Sleep Apnea: Neural Substrate and Clinical Consequences", ATS International Conference, May 19, 2002, Atlanta, GA.
- Co-Chair, Symposium on "Neurobiology and Sleep in Childhood", Pediatric Academic Societies Annual Meeting, May 12-16, 2000, Boston, MA.
- Co-Chair, Symposium on "Respiratory Control: Plasticity, Redundancy or Both?", Experimental Biology Meeting 2000, April 16, 2000, San Diego, CA.
- Executive Committee Member, American Academy of Pediatrics, Pediatric Pulmonology - October 2002-2005.
- Member, Advisory Board for the American Thoracic Society Nominating Committee, June 2000-2004.
- Member, Advisory Scientific Committee on High School Science Curriculum Supplement, National Institutes of Health, Office of Science Education and NHLBI, National Center on Sleep Disorders Research, February 1999-present.
- Member, American Thoracic Society International Relations Committee, 1999-2002.
- Member, APSS Program Committee, American Academy of Sleep Medicine, June 2001-June 2004.
- Member, ATS/ALA Committee on "Inheritance of Respiratory Control", February 1999 - June 2000.
- Member, ATS/ALA Committee on "Normative Sleep Characteristics in Children", February 1998 - June 1999.
- Member, Board of Directors, American Thoracic Society, May 2001-June 2003.

- Member, Fellowship Training Committee, American Academy of Sleep Medicine, April 2000-June 2001.
- Member, National Center for Sleep Disorders Research Task Force, NIH, October 2001-June 2003.
- Member, Planning Committee of Thirteenth Conference on Apnea of Infancy, January 19-21, 1995, Rancho Mirage, California.
- Member, Program Committee, 8th International Symposium on Stroke, Neurotrauma and Other Neurological Diseases, July 9-13 1997, New Orleans, LA.
- Member, Program Planning Committee, American Thoracic Society Annual Meeting (for Respiratory Neurobiology and Sleep Assembly). May 2000-present.
- Member, Research Committee, Sleep Research Society, June 2007-June 2010.
- Member, Respiratory and Sleep Neurobiology Assembly Program Committee, American Thoracic Society, 2001-2007.
- Member, Revenue Development Committee, American Thoracic Society June 2002-June 2004.
- Member, Scientific Committee, VIIIth ESPID Meeting, May 30-June 3, 1999, Jerusalem, Israel.
- Member, Scientific Committee, XI Hot Topics in Sleep Apnea, April 26-27, 2008, Lleida, Spain.
- Member, Scientific Committee, XII Hot Topics in Sleep Apnea, April 23-24, 2010, Lleida, Spain.
- Member, Spark II Conference and Working Group, NHLBI, 2002-2003.
- Member, Special Emphasis Panel, National Institute on Alcohol Abuse and Alcoholism, RFA on "Micro-Array Based Research on Alcohol Effects on Behavior, Nervous System Function, and Organ Pathophysiology", February 8-9, 2001, Bethesda, MD.
- Member, Task Force on Guidelines for Evaluation and Treatment of Pediatric Sleep Apnea, American Academy of Pediatrics, 2008-present
- Organizing Committee and Session Chair, 2nd International Symposium on Congenital Central Hypoventilation Syndrome, 15-16 February 2002, Faculté de Médecine Xavier Bichat, Université de Paris VII, Paris, France.
- Regular Member, *Respiratory and Applied Physiology Study Section, NIH* - July 2000-June 2004.
- Scientific Advisory Board, Parker B. Francis Foundation, 2004-2008
- Scientific Advisory Council, American Thoracic Society, May 2003-June 2008.
- Scientific Organizing Committee, VIIIth Symposium on Sleep and Breathing, May 31-June 2, 2002, Reykjavik, Iceland.
- Session Chair, International Paediatric Respiratory Congress, 1-4 April, 2001, Prague, Czech Republic, "Upper Airways: The Way the Air Must Go" and "Pulmonary Aspects of Orthopedic and Neuromuscular Diseases".
- Sleep Societies Annual Conference, June 5-10, 2001, Chicago, IL.

- Symposium Chair and Moderator, “Inflammation and Sleep-Disordered Breathing”, American Thoracic Society International Conference, May 21-26, 2004, Orlando, FL.
- Symposium Chair and Moderator, Pearls in Pediatric Pulmonary Medicine, CIPP 6, February 29, 2004, Lisbon, Portugal.
- Task Force, American Academy of Sleep Medicine, CPAP Guidelines, 2007-2008.
- Task Force, American Academy of Sleep Medicine, Non Invasive Ventilation Guidelines, 2008-present.
- Task Force, American Academy of Sleep Medicine, on Diagnosis and Treatment of Pediatric Sleep Apnea, 2006-2007
- Task Force, American Academy of Sleep Medicine, on Polysomnographic Scoring in Children, 2006-2007
- Chair, Scientific Committee, American Professional Sleep Societies Annual Conference, 2005-2009.
- Multiple ATS committees
- ATS Task Force on Pediatric Home Ventilation
- Membership Committee, American Thoracic Society 2013-2016
- Executive Committee, American Thoracic Society 2013-present
- Board of Directors, American Thoracic Society Foundation 2013-2016
- Population Health & Methodology Council Member, national Sleep Foundation 2015-present.
- External Advisory Committee, Centro de Investigacion Biomedica en Red Enfermedades Respiratorias (CIBERES), Ministry of Health, Spain. 2016-present
- Finance Committee, American Thoracic Society Foundation 2016-present
- ATS Task Force on Long-term Oxygen Home Supplementation in Children

Local and Institutional

Tulane University

- Chair, Pediatric Cardiology Search Committee, September 1998-February 1999.
- Chair, Research Committee, Department of Pediatrics, Tulane University School of Medicine, July 1995 - September 1999.
- Local Host Committee, 30th Annual Meeting of the American Society for Neurochemistry, 1999
- Member, Credentials Review Committee, July 1997-June 1998.
- Member, Distinguished Faculty Forum Committee, 1996 - September 1999.
- Member, ENT Chair Search Committee, September 1997-June 1998.
- Member, Internal Medicine Department Review Committee, July 1997-January 1998.
- Member, Mortality & Morbidity Committee, Department of Pediatrics, Tulane University School of Medicine, July 1998 - September 1999.
- Member, Neuroscience Course Review Committee, Tulane University School of Medicine, December 1995 - 1997.
- Member, Physiology Department Review Committee, 1996-1997
- Member, Research Space Allocation Committee, Tulane University School of Medicine, October 1994 - September 1999.
- Member, Student Affairs Committee, July 1997- September 1999.
- Member, Tulane University Senate, July 1999- September 1999.
- Member, Tulane-LSU GCRC Advisory Board, June 1999-September 1999.
- Neuroscience Graduate Program Steering Committee, July 1997 - September 1999.

University of Louisville

- Chair, Search Committee for Director of Child Development Unit - Louisville Twin Study, University of Louisville, October 1999- 2002.
- Chair, Search Committee for Endowed Chair in Pediatric Diabetes Research, University of Louisville, October 1999- August 2000.
- Chair, Search Committee, Endowed Chairs in Pediatric Cancer, March 2003-2008.
- Chair, Search Committee, Faculty in Pediatric Neurobiology and Sleep, March 2001-2009.
- Chair, Search Committee, Faculty in Pediatric Sleep Medicine, April 2001-2007.
- Member, Board of Directors, Louisville Science Center, May 2001-June 2002.
- Member, Center for Genetics and Molecular Medicine, University of Louisville, November 1999-present.
- Member, Clinical Research Advisory Committee, Clinical Research Training Program, University of Louisville, November 1999- 2009.
- Member, Committee on School Health, Kentucky Pediatric Society, March 2001-2005.

- Member, Infection Control Committee, Kosair Children's Hospital, January 2001-2003.
- Member, Promotion and Tenure Committee, Department of Pediatrics, University of Louisville, October 1999- 2009.
- Member, Research Committee, University of Louisville School of Medicine, October 2000- February 2009.
- Member, Research Conflict of Interest Committee, University of Louisville, January 2000- 2002.
- Member, Search Committee, Chief Pulmonary, Critical Care and Sleep Medicine, Department of Medicine, October 2003-2006.
- Member, Search Committee, Faculty in Juvenile Diabetes Research, January 2001-2002.
- Member, Search Committee, Faculty in Pediatric Critical Care Medicine, March 2001-2004.
- Member, Search Committee, Faculty in Pediatric Pulmonology, May 2001-2006.
- Member, Steering Committee, MD-PhD Program, University of Louisville School of Medicine, November 1999- 2009.

University of Chicago

- 2009-present Washington Park Pediatric Clinic, Board Advisor and Faculty Clinical Volunteer
- 2010-2011 – Steering Committee, Phoenix Project.
- 2011-2012 - Neuroscience Institute Director Search Committee
- Advisory Committee, Comprehensive Cancer Center 2009-present
- Member, Biological Sciences Division Budget Oversight Committee – 2009-2012
- Member, Dean's Advisory Council – 2010-2014
- Member, Phoenix Steering Committee 2009-2012
- Program Director, Fellowship in Pediatric Pulmonology February 2009-June 2014
- Steering Committee, Kennedy Center 2009-present
- Steering Committee, Comprehensive Cancer Center – 2012-present

MENTORSHIP&RESEARCH TRAINEES:

1. **Gabriel Aljadeff, M.D.**, Post Doctoral Clinical and Research Fellow in Pediatric Pulmonology, Children's Hospital Los Angeles. Research Project: Developmental patterns of peripheral chemoreceptor afferent contribution to the intermediate area of the ventral medullary surface in the cat: Assessment by optical imaging. July 1993 – June 1995. This project was awarded a CHLA Research Training Fellowship, July 1994-June 1995.
2. **Ashish R. Shah, M.D.**, Post Doctoral Clinical and Research Fellow in Pediatric Pulmonology, Children's Hospital Los Angeles. Research Project: Anaerobic exercise performance in cystic fibrosis: effect of supplemental oxygen during recovery. August 1993 - June 1996.
3. **Omid Omidvar, M.D.**, Visiting Resident in Neurology, University of Rouen School of Medicine, France. Research Project: Localization of pontine regions mediating the ventilatory response to inspiratory and expiratory loading in the human by functional magnetic resonance imaging. October 1993 - July 1994.
4. **Thomas J. Nuckton, M.D.**, Resident in Medicine-Pediatrics, Tulane University School of Medicine. Research Project: Developmental Characteristics of Hypoxia-Induced Short Term Potentiation, October 1994 - January 1996.
5. **Gavin R. Graff, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Chemokine-Induced Alterations in Ventilatory Control, December 1994 - June 1997. Awarded in 1996 an American Lung Association of Louisiana Grant for \$ 4,410.
6. **Astryd A. Menendez, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Stimulus Dependency of Short Term Potentiation in Humans, November 1994 - June 1995.
7. **Sanford M. Littwin, B.S.**, Medical Student. Tulane University School of Medicine. Research Project: Neural Nitric Oxide Synthase (nNOS) Modulatory Effects on Hypoxic Cardiorespiratory Responses in Waking Rats. January 1995 - January 1996.
8. **Rachel D. Nowak, B.S.**, Medical Student. Tulane University School of Medicine. Research Project: NMDA Glutamate Receptors in Respiratory Control. June 1995 - January 1996.
9. **Anisha L. Roussel, B.S.**, Medical Student, Louisiana State University School of Medicine at Shreveport, Student Research Program of the Society for Pediatric Research and The American Pediatric Society. Project: Ontogeny of Protein Kinase C Expression in the Nucleus Tractus Solitarius. May 1996 - July 1996.

10. **Hari P.R. Bandla, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Developmental Aspects of Protein Kinase C in Respiratory Control. July 1996 - March 1999.
11. **Narong Simakajornboon, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Maturational Patterns of Platelet-activating Factor Mediated Signal Transduction and Early Gene Expression During Acute Hypoxia. September 1996-June 1999. Awarded in 1997 an American Lung Association of Louisiana Grant for \$ 4,500.
12. **Gautam S. Nayak, B.S.**, Medical Student, Tulane University School of Medicine. Research Project: Effect of the Protein Kinase C Inhibitor Ro32-0432 on Ventilatory Responses to Hypoxia. January 1996-June 1997.
13. **Sanjay G. Khicha, B.S.**, Medical Student, Tulane University School of Medicine. Research Project: Ventilatory Role of Calcium-Dependent Protein Kinase C in the Nucleus Tractus Solitarius. January 1996-June 1997.
14. **Jason D. Dausman, B.S.**, Medical Student, Tulane University School of Medicine. Research Project: Tyrosine Phosphorylation in the Nucleus of the Solitary Tract During Hypoxia: Contributions by NMDA receptors. September 1996 - June 1997.
15. **Marc A. Czapla, B.S.**, Pre-Doctoral Student in Physiology, Tulane University School of Medicine. Research Project: Ventilatory Role of Endomorphins in the Nucleus of the Solitary Tract. June 1997 - November 1999. Recipient of a pre-doctoral NRSA (F31-DA005948, 1999-2002).
16. **Gina M. Whitney, B.S.**, Medical Student, Tulane University School of Medicine. Research Project: Maturation of AMPA Glutamate Receptors in Caudal Brainstem. May 1998-June 1998.
17. **David Y. Fuchs**, Undergraduate Student, Williams College. Research Project: Ventilatory Role of PDGF during Late Hypoxic Response. June 1998-August 1998.
18. **Shifali K. Parekh**, Undergraduate Student, Tulane University. Research Project: Maturation of PDGF-A chain in the Dorsocaudal Brainstem. May 1998-August 1998.
19. **Andrew J. Lipton, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Role of Nitrosothiols in Hypoxia-Induced Short-Term Potentiation. August 1998 - June 2001.
20. **Kimberly L. Jones, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Vascular Endothelial Growth Factor in Obstructive Sleep Apnea and SIDS. November 1998 - January 2000.

21. **Vukmir Vlastic, M.D.**, PostDoctoral Fellow in Pediatric Pulmonology, Tulane University School of Medicine. Research Project: Developmental Aspects of Platelet-Activating Factor in Hypoxic Ventilatory Response. November 1998 - January 2000.
22. **Laura B. Farless** - Undergraduate Student, Tulane University. Research Project: Changes in PKC Expression During Chronic Hypoxia in the Dorsocaudal Brainstem. May 1999-August 1999.
23. **James W. Anonetapipat** - Undergraduate Student, Louisiana State University. Research Project: Changes in Protein Kinase B Phosphorylation during Acute Hypoxia in the Dorsocaudal Brainstem. May 1999-August 1999.
24. **Nicholas J. Szerlip, B.A.** - Medical Student, Tulane University School of Medicine. Research Project: PDGF-dependent Apoptotic Mechanisms during Acute Hypoxia in the Dorsocaudal Brainstem. May 1999-August 1999.
25. **Barry W. Row, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Behavioral and Stress Pathway Implications of Intermittent Hypoxia During Development. October 2000-March 2005. Recipient of NIH NRSA Post-Doctoral Research Fellowship 3/1/02-2/28/05.
26. **Mei Wang, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Sleep Disorders in Children: A Population Survey. December 2000- July 2002.
27. **Richard C. Li, M.D., Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Role of Inducible Nitric Oxide Synthase and COX-2 in Intermittent Hypoxia-Induced Neurobehavioral Deficits. December 2000-2007.
28. **Louise M. O'Brien, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Behavioral Correlates of Sleep Disordered Breathing in Children. January 2001-December 2004.
29. **Galia K. Soukhova-O'Hare, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Effect of Intermittent Hypoxia on Maturation of Baroreflex. June 2001-June 2005. Recipient of NIH NRSA Post-Doctoral Research Fellowship 5/1/02-4/30/05
30. **Steven R. Reeves, B.Sc. - M.D.- Ph.D.** Student, Department of Pharmacology and Toxicology, University of Louisville. July 2001-2008.
31. **Jennifer J. Neville**- Undergraduate Student, Case Western Reserve University, June 2001-August 2001.
32. **Yue (Cindy) Wang, B.Sc.** - Graduate Student, Department of Pharmacology and Toxicology, University of Louisville. August 2001-December 2004.

33. **Hawley Montgomery-Downs, Ph.D.** -PostDoctoral Fellow, University of Louisville. Research Project: Early Neurocognitive Outcomes in Sleep Disordered Breathing: an Intervention Study. July 2001-August 2005. Recipient National Sleep Foundation Fellowship and NIH NRSA Post-Doctoral Research Fellowship 8/1/03-7/31/06
34. **Valerie M. Crabtree, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Behavioral Interventions in Behavioral Sleep Disorders - Actigraphic Correlates. September 2001-October 2002.
35. **Jyoti Krishna, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Exhaled Upper Airway Condensates in Pediatric OSA. July 2002-June2004.
36. **Aviv D. Goldbart, M.D.** -PostDoctoral Fellow in Pediatric Pulmonology and Sleep Medicine, University of Louisville. Research Project: CREB Alterations In Hypoxia-Implications for End-Organ Injury. July 2001-August 2004.
37. **Riva Tauman, M.D.** -PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Changes in Gene Expression in Children with OSA. September 2001-January 2005.Recipient of American Heart- Ohio Valley Research Fellowship 2003-2005
38. **Leila Kheirandish, M.D, MSc.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: CREB, Intermittent Hypoxia, And Olfactory Memory. October 2001-April 2005.
39. **Qiang Fan, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Role of Inflammatory Cytokines in Sleep Apnea-Associated Neurobehavioral Dysfunction, April 2002-March 2003.
40. **Maria E. Barnes, BA, Ph.D.** - Undergraduate Student, Brown University, June 2002-August 2003. and M.D.-Ph.D. Student, Department of Psychology & Brain Sciences University of Louisville. July 2004-2011.Recipient of NIH NRSA F30 MH079531 2007-2011. Mentors: Dennis L Molfese PhD and David Gozal, MD
41. **Zahoor A. Shah, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Regulation of Tyrosine Hydroxylase by Intermittent Hypoxia, and Urinary Proteomics August 2002-February 2005.
42. **Robin Gault** - Undergraduate Student, University of Louisville, May 2003-August 2003.
43. **Christina Wiegand, B.S. - M.D., Ph.D.** Student, University of Louisville, May 2003-August 2003.

44. **Lebnan Saad, M.D.** - Graduate Student, Department of Pharmacology and Toxicology, University of Louisville. Research Project: Platelet-Activating Factor Receptor and Neuronal Susceptibility to Hypoxia. January 2003-January 2005.
45. **Manal Othman, M.D., Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Mitochondrial Dysfunction in Pyramidal Hippocampal Neurons Following Intermittent Hypoxia. July 2005-January 2006.
46. **Oscar Sans Capdevila, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Epileptiform Activity in Children During Sleep. July 2005-November 2007.
47. **Laura D. Serpero, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Inflammation and Morbidity in Pediatric Sleep Apnea. August 2004-October 2007.
48. **Ehab A. Dayyat, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Regulation of NADPH Oxidase and Erythropoietin by Intermittent Hypoxia. February 2005-June 2008.
49. **Muna MA Maarafiya, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Sleep Position and Severity of Respiratory Disturbance in Pediatric Sleep Apnea. June 2005-November 2005.
50. **Ayelet Snow, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: RSV and Pediatric Sleep Apnea. July 2006-January 2008.
51. **Jin Kwan Kim, PhD** - PostDoctoral Fellow, University of Louisville. Research Project: Metabolic Pathways Involved in Pediatric OSA. May 2007-January 2013.
52. **Rakesh Bhattacharjee, M.D.** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Endothelial Function in Pediatric Sleep Apnea. July 2007-June 2009.
53. **Sarah Honaker, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: Multidimensional Scaling of Verbal Abilities in Pediatric Sleep Apnea. September 2007-October 2008.
54. **Deepti Nair, Ph.D.** - PostDoctoral Fellow, University of Louisville. Research Project: NADPH Oxidase in a Murine Model of Sleep Apnea. August 2008-February 2012.
55. **Wadha Alotaibi, M.D.,** - PostDoctoral Fellow in Sleep Medicine, University of Louisville. Research Project: Impact of obesity on Endothelial Function in Pediatric Sleep Apnea. January 2008-December 2008.

56. **Bharat Bhushan, Ph.D.** . - PostDoctoral Fellow, University of Louisville/University of Chicago. Research Project: Sleep Apnea. August 2008-February 2010.
57. **Philip Ming Hung, Ph.D.** - PostDoctoral Fellow, University of Louisville/University of Chicago. Research Project: Mechanisms of Endothelial-Monocyte-Driven Atherogenesis in Sleep Apnea. August 2008-February 2010.
58. **Damodara Reddy, Ph.D.** . - PostDoctoral Fellow, University of Louisville/University of Chicago. Research Project: Neuronal Cell and Mitochondrial Membrane Proteomics in A Murine Model of Sleep Apnea. October 2008-February 2010.
59. **Foaz Kayali, M.D., Ph.D.,** - PostDoctoral Research Scholar, University of Chicago. Research Project: Effect of Intermittent and Sustained Hypoxia on Islet Cell Function. May 2010-June 2011.
60. **Fahed Hakim, M.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Tumorigenesis and Sleep Apnea in Children. July 2010-July 2012.
61. **Alba Carreras Palou, Ph.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Development of Murine Models of Sleep Apnea. September 2010-September 2013.
62. **Camila Hirotsu, B.Sc.** – Pre-Doctoral Research Scholar, University of Chicago. Research Project: ER Stress in Murine Model of Sleep Apnea. July 2011-December 2011.
63. **Jin Zhang, M.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Glucose Transporters and Metabolic Regulation in Murine Models of Sleep Apnea. April 2011-May 2012.
64. **Isaac Almendros, Ph.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Intermittent hypoxia and Epithelial Tumorigenesis. April 2012-October 2014.
65. **Alison Chu, M.D.** - PostDoctoral Fellow in Perinatal/Neonatal Medicine, University of Chicago. Research Project: Murine Model of Apnea of Prematurity and Epigenetic Changes in Cardiovascular Function. April 2012-June 2013.
66. **Jiamao Zheng, Ph.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Tumorigenesis and Sleep Fragmentation. August 2012-September 2014
67. **Alex Gileles-Hillel, M.D.** - PostDoctoral Research Scholar, University of Chicago. Research Project: Intermittent Hypoxia, Atherogenesis, and Macrophage Proliferation and Clonal Expansion. August 2013-July 2015

68. **Mahzad Akbarpour, Ph.D.** - PostDoctoral Research Scholar, University of Chicago.
Research Project: Role of HIFs and Cellular Metabolism in Tumor-Associated T-cell
Lymphocytes in a Murine Model of Sleep Apnea. January 2015-April 2016

69. **Wojciech Trzepizur, M.D., Ph.D.**, Visiting Research Scholar, University of Chicago.
Research Project: Exosomes in Sleep Apnea-Associated Morbidities. October 2015-October 2016.
70. **Nina Youssefnia, B.Sc.** – Pre-Doctoral Research Fellow, University of Chicago.
Research Project: Exosomal endothelial targets in intermittent hypoxia. June 2016-July 2017

GRADUATE STUDIES COMMITTEE MEMBER:

- **Alexander Ovechkin, M.D.** - Graduate Program in Physiology, University of Louisville 2001-2005.
- **Andrew McInvale, B.S.** - Graduate Program in Neuroscience, Tulane University (1998-1999).
- **Ashley R. Bush, B.S.** - Graduate Program in Neuroscience, Tulane University (1998-1999).
- **Benjamin Clayton, B.Sc.** – Graduate Program in Neurobiology, The University of Chicago, Committee on Neurobiology and Neuroscience, Chicago, IL, 2012-2016
- **Christina Wiegand, B.Sc.** - Graduate Program in Pharmacology and Toxicology, University of Louisville 2003-2007.
- **David Loy, B.S.** - Graduate Program in Anatomy and Molecular Neurobiology, University of Louisville (2000-2002)
- **Doug S. Webber, B.S.** - Graduate Program in Neuroscience, Tulane University (1997-2001).
- **Haoya Li, B.S.** - Predoctoral Student, Graduate Program in Physiology, Tulane University (1996-1999).
- **Jessica L. Benler, B.A.** - Graduate Program in Psychology, Spalding University, Louisville, KY 2007-2010.
- **John D. Lipani, B.S., M.D.** - Graduate Program in Neuroscience, Tulane University (1997-1999).
- **Regina M. Graham, B.S.** - Molecular and Cellular Biology Program, Tulane University (1994-1998).
- **Aya Pusic, B.Sc.** – Graduate Program in Neurobiology, The University of Chicago, Committee on Neurobiology and Neuroscience, Chicago, IL, (2013-2015).

BIBLIOGRAPHY: (Over 35,000 citations; **H index: 96**)

Articles Published in Peer Reviewed Journals

1. Leitersdorf E, Friedman G, **Gozal D**, Applebaum A, Sacks T, Levij I. Hypothesis: New concepts on the pathogenesis of early prosthetic valve endocarditis. *Medical Hypotheses* 1982; 9:325-330.
2. Leitersdorf E, Friedman G, **Gozal D**, Applebaum A, Sacks T. Infective endocarditis in Jerusalem: A comparative analysis of native and prosthetic valve endocarditis. *Isr. J. Med. Sci.* 1983; 19:491-494.
3. Ziser A, Shupak A, Halpern P, **Gozal D**, Melamed Y. Delayed hyperbaric oxygen treatment for acute carbon monoxide poisoning. *Br. Med. J.* 1984; 289:960.
4. **Gozal D**, Ziser A, Shupak A, Melamed Y. Accidental carbon monoxide poisoning in children: Emphasis on hyperbaric oxygen treatment. *Clin. Pediatr.* 1985; 24:132-135. Abstracted in Year Book of Critical Care Medicine 11:25-27, 1986.
5. **Gozal D**, Ben-Aryeh H, Szargel R, Colin A. Effect of theophylline on salivary composition in asthmatic children. *Isr. J. Med. Sci.* 1985; 21:460-461.
6. **Gozal D**, Colin A, Shachar A, Ben-Aryeh H. Salivary theophylline: A reliable alternative to monitoring serum levels. *Isr. J. Med. Sci.* 1985; 21:462-463.
7. Ziser A, Girch Z, **Gozal D**, Melamed Y, Adler M. Hyperbaric oxygen for Fournier's gangrene. *Crit. Care Med.* 1985; 13:773-774.
8. **Gozal D**, Ziser A, Shupak A, Ariel A, Melamed Y. Necrotizing fasciitis. *Arch. Surg.* 1986; 121:233-235.
9. Shupak A, **Gozal D**, Ariel A, Melamed Y, Katz A. Hyperbaric oxygenation in acute peripheral post-traumatic ischemia. *J. Hyperbaric Med.* 1987; 2:7-14.
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