

CURRICULUM VITAE
MICHAEL G. LEVITZKY, Ph.D.

MARITAL STATUS: Married, two children

HOME ADDRESS: 4150 Vendome Place
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Louisiana State University Health Sciences Center
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LSU DATE OF APPOINTMENT: June 1, 1975

PRESENT ACADEMIC RANK: Professor, July 1, 1985

EDUCATION:

Rahway High School, Rahway, New Jersey, June, 1965.

University of Pennsylvania, B.A., May, 1969.

Albany Medical College of Union University, Ph.D., May, 1975.

Postdoctoral Fellow - Heart Association of Eastern New York, Albany Medical College of Union University, 1974-1975.

ACADEMIC APPOINTMENTS:

Instructor of Physiology, Albany Medical College, 1974-1975.

Assistant Professor of Physiology, Louisiana State University Health Sciences Center, 1975-1980.

Associate Professor of Physiology, Louisiana State University Health Sciences Center, 1980-1985.

Professor of Physiology, Louisiana State University Health Sciences Center, 1985-

Director of Basic Science Curriculum, Louisiana State University School of Medicine in New Orleans, 1998-

Curriculum Vitae
Michael G. Levitzky, Ph.D.

OTHER ACADEMIC APPOINTMENTS:

Adjunct Professor of Pediatrics, Tulane University Medical Center School of Medicine, 1990-

Adjunct Professor of Physiology, Tulane University Medical Center School of Medicine, 1991-

Professor of Anesthesiology, Louisiana State University Health Sciences Center, 1991-

Professor of Cardiopulmonary Science, Louisiana State University Health Sciences Center School of Allied Health Professions, 2002-

Adjunct Professor of Nursing, Louisiana State University Health Sciences Center, 2008-

OTHER ADMINISTRATIVE RESPONSIBILITIES:

Coordinator for Americans with Disabilities Act Issues, Louisiana State University Health Sciences Center, 1996-

Accreditation Liaison Officer to the Commission on Colleges, Southern Association of Colleges and Schools, Louisiana State University Health Sciences Center, 1998-

Interim Head, Department of Physiology, Louisiana State University School of Medicine in New Orleans, May 1, 2006-August 31, 2008.

RESEARCH SUPPORT:

1976 - 1977 Redistribution of Pulmonary Blood Flow in Awake Dogs. American Heart Association of Louisiana. \$6,500

1976 - 1978 Systemic Effects on Pulmonary Hemodynamics in Hypoxia. NHLBI-Young Investigator Pulmonary Research Award. \$30,000

1978 - 1981 Ventilation, Perfusion, and Systemic Arterial Reflexes. NHLBI. \$80,344

1978 - 1979 Pulmonary Blood Flow in Atelectasis in Awake Dogs. AHA of LA. \$7,000 (Funds declined due to acceptance of NIH grant.)

1981 - 1982 Ventilation, Perfusion, and Systemic Arterial Reflexes. AHA of LA. George S. Bel Award. \$9,500

1982 - 1983 Control of the Pulmonary Circulation During Alveolar Hypoxia. AHA of LA. \$9,300 (Part of funds returned due acceptance of NIH grant.)

1982 - 1986 Control of the Pulmonary Circulation in Alveolar Hypoxia. NHLBI. \$87,716

1987 Control of the Pulmonary Circulation in Alveolar Hypoxia. AHA of LA. \$6,637

1988 - 1989 Control of the Pulmonary Circulation in Alveolar Hypoxia. AHA of LA. George S.

- Bel Award. \$14,500
- 1989 - 1990 Control of the Pulmonary Circulation in Alveolar Hypoxia. AHA of LA. George S. Bel Award. \$14,500
- 1995 - 1999 deBoisblanc, B.P., Pellett, A., Johnson, R., Levitzky, M. Automated Determination of Pulmonary Capillary Pressure in Critically Ill Patients. Kinetic Concepts Incorporated. \$150,000
- 1999 - 2002 deBoisblanc, B.P., Pellett, A., Johnson, R., Levitzky, M. Automated Determination of Pulmonary Capillary Pressure and Pulmonary Artery Occlusion Pressure in a Canine Model. Kinetic Concepts Incorporated. \$50,000

OTHER RESEARCH EXPERIENCE:

- 1974 - 1976 Consultant to research project: On line computer study of therapy for human shock. NIH GM 15426. S.R. Powers, Jr., Albany Medical College, Principal Investigator.
- 1979 - 1981 Consultant to research project: Pulmonary hemodynamics in atelectasis and hypoxia. NHLBI HL 18630. J.C. Newell, Rensselaer Polytechnic Institute, Principal Investigator.

HONORS AND AWARDS:

Outstanding Professor of the Freshman Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 1981.

Best Preclinical Professor, Senior Class of 1983, Louisiana State University School of Medicine in New Orleans.

Favorite Basic Science Professor, Senior Class of 1984, Louisiana State University School of Medicine in New Orleans.

Outstanding Professor of the Freshman Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 1986.

Silver Shovel Award, Senior Class of 1989, Louisiana State University School of Medicine in New Orleans.

Best Preclinical Professor, Senior Class of 1989, Louisiana State University School of Medicine in New Orleans.

Selby-Bourgeois Award for Teaching Excellence, Senior Class of 1989, Louisiana State University School of Medicine in New Orleans (\$500).

Chosen by Senior Class of 1991 to participate in Pre-Commencement Hooding Ceremony, Louisiana State University School of Medicine in New Orleans, May, 1991.

Silver Shovel Award, Senior Class of 1992, Louisiana State University School of Medicine in New Orleans.

Dr. Ernst Lederle Award for Excellence in Research, Education and Patient Care, LSU Health Sciences Center Foundation and Lederle Laboratories, 1994 (\$1,000).

First Year Teaching Honor Roll Award, Owl Club, Tulane University School of Medicine, 1997.

Dr. Allen A. Copping Award for Excellence in Teaching – Basic Sciences, Louisiana State University Health Sciences Center in New Orleans, 1997 (Inaugural Award; \$5,000).

Arthur C. Guyton Teacher of the Year for 1998 Award, American Physiological Society (\$1000 plus travel expenses).

First Year Teaching Honor Roll Award, Owl Club, Tulane University School of Medicine, 1999.

First Year "Golden Corset Award" - Most Entertaining Lecturer, Owl Club, Tulane University School of Medicine, 2000.

Chosen by Senior Class of 2001 to participate in Pre-Commencement Hooding Ceremony, Louisiana State University School of Medicine in New Orleans, May 2001.

Outstanding Professor, Second Semester, First Year, Owl Club, Tulane University School of Medicine, 2001.

Chosen by Class of 2004 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July 2001.

Outstanding Professor, Second Semester, First Year, Owl Club, Tulane University School of Medicine, 2002.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2003.

Honorary Member, Sociedad Peruana de Neumologia (Peruvian Society of Chest Diseases), July, 2004.

Chosen by Class of 2007 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2004.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2005.

Chosen by Class of 2008 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2005.

Elected to Alpha Omega Alpha Honor Medical Society (Beta Chapter of Louisiana), February 22, 2006.

Chosen by Class of 2009 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2006.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2007.

Chosen by Senior Class of 2007 to participate in Pre-Commencement Hooding Ceremony, Louisiana State University School of Medicine in New Orleans, May 2007.

Chosen by Class of 2010 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2007.

Chosen by Class of 2011 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2008.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2009. (Nominated for 2010 award, but ineligible because received award in 2009.)

Chosen by Class of 2012 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, August, 2009.

Chosen by Class of 2013 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2010.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2011.

Nominated for Outstanding Professor, First Year, Owl Club, Tulane University School of Medicine, 2011.

Chosen by Class of 2014 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2011.

Owl Club First Year "Humerus" Award (Presented to the Professor with the best in-class jokes), Tulane University School of Medicine, 2012.

Chosen by Class of 2015 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2012.

Nominated for Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State University School of Medicine in New Orleans, 2013.

Chosen by Class of 2016 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2013.

Outstanding Professor, Second Semester, First Year, Aesculapian Society, Louisiana State

University School of Medicine in New Orleans, 2014.

Owl Club First Year “Humerus” Award, Tulane University School of Medicine, 2014.

Chosen by Class of 2017 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2014.

Chosen by Class of 2018 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, July, 2015.

Chosen by Class of 2019 to participate in White Coat Ceremony, Louisiana State University School of Medicine in New Orleans, August, 2016.

Have been listed in Who’s Who in the World, Who’s Who in America, Who's Who in Science and Engineering, Who's Who in Frontier Science and Technology, Who's Who in the South and Southwest, Who's Who in American Education, Who’s Who in Medicine and Healthcare, American Men and Women of Science, and the Dictionary of International Biography.

PROFESSIONAL ORGANIZATIONS AND OFFICES:

Member: American Physiological Society, AAAS, AAUP,
AHA Basic Sciences and Cardiopulmonary Councils
AHA of Louisiana, Society for Experimental Biology and Medicine, Sigma Xi,
American Thoracic Society, Council of Science Editors,
Association of American Medical Colleges - Group on Educational Affairs,

Member, Education Committee, American Physiological Society, 1988–1991; Teaching Section Liaison to Education Committee, 2004-2007.

Member, Arthur C. Guyton Teacher of the Year Award Committee, American Physiological Society, 1999-2004; Chair, 2003.

Steering Committee, American Physiological Society Teaching Section, 2002-2007. Teaching Section Liaison to the Education Committee, 2004-2007.

Reviewer, American Physiological Society Archive of Teaching Resources, 2002-.

Participant in the AAMC Review of Science Content Specifications for the Medical College Admission Test, September, 1981; March, 1988; November, 2009.

Referee Editor, Annals of Biomedical Engineering, 1988, 1989; American Journal of Physiology, 1989, 1990; 1996, 1997; Journal of Applied Physiology, 1990, 1991, 2012; American Journal of Respiratory and Critical Care Medicine, 1995; Experimental Physiology, 2006, 2010; Advances in Physiology Education, 2001, 2002, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2015, 2016; Respiratory Care, 2008, 2009, 2010, 2016.

Reviewer - AAMC Group on Educational Affairs Small Group Discussion and Mini-Workshop Proposals, 1998-2010.

Reviewer, "In Progress" section, Academic Medicine, 1999-2002.

Reviewer, AAMC MedEdPORTAL, 2005-.

External grant referee - Medical Research Council of Canada, 1986.

Consultant grant proposal reviewer - Veterans Administration Medical Research Service, 1986, 1987, 1988; National Science Foundation, 1996.

Proposal Reviewer, Fund for the Improvement of Postsecondary Education (FIPSE), U.S. Department of Education, 2000.

External Grant Reviewer- Cooperative Grants Program, U.S. Civilian Research & Development Foundation, 2006.

Reviewer, Louisiana Board of Regents, proposed Bachelor of Health Sciences degree program, University of Louisiana, Lafayette, 2002.

Judge, Texty and McGuffey Awards in Life Sciences, Text and Academic Authors Association, 2005, 2009-2017.

Member, Southern Association of Colleges and Schools Commission on Colleges Accreditation Committee for M.D. Anderson Cancer Center, Houston, Texas, July 25-27, 2005.

Member, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Committee for Baylor College of Medicine, and Site Visitor, Houston, Texas, March 14-16, 2006.

Member, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Off-Site Review Committee for Georgia State University (GA), University of Houston (TX), and University of Miami (FL), November 7-8, 2007.

Member, Peer Review Advisory Board for the Commission on Colleges of the Southern Association of Colleges and Schools, 2008-2010; 2010-2013.

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Committee for Eastern Virginia Medical School, Norfolk, Virginia, April 14-16, 2009.

Member, National Board of Medical Examiners United States Medical Licensing Examination (USMLE) Step 1 Physiology Test Material Development Committee, 2007-2009; Step 1 Physiology and Cell Biology Test Material Development Committee 2010-2011.

American Physiological Society representative to the Association of American Medical Colleges Council of Academic Societies/Council of Faculty and Academic Societies, 2009-.

Association of American Medical Colleges Council of Academic Societies/Council of Faculty and Academic Societies Program Committee, 2011; 2015-2016.

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Off-Site Review Committee for University of North Texas Health Science Center-Fort Worth, University of Texas Health Science Center at Houston, and University of Texas School of Health Professions, November 4-5, 2009.

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Committee for Morehouse School of Medicine, Atlanta, GA, April 12-14, 2011.

National Board of Medical Examiners United States Medical Licensing Examination (USMLE) Unified Content Outline Committee, 2011.

American Physiological Society Book Committee, 2011-.

American Physiological Society Task Force on Education, 2011.

National Board of Medical Examiners United States Medical Licensing Examination (USMLE) Step 1 Interdisciplinary Review Committee, 2011-.

Chair, Southern Association of Colleges and Schools Commission on Colleges Accreditation Candidacy Committee for Virginia Tech Carilion School of Medicine, Roanoke, VA, March 27-29, 2012.

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Off-Site Review Committee for University of South Alabama, East Tennessee State University, and Florida Atlantic University, November 8-9, 2012.

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Off-Site Review Committee for Mississippi State University, North Carolina State University, and Virginia Commonwealth University, November 7-8, 2013.

Association of American Medical Colleges Council of Academic Societies/Council of Faculty and Academic Societies Administrative Board 2013-2016; Chair, Basic Science Task Force/Working Group 2014-2016.

External reviewer for the AAMC Medical Education Meeting Call for Submissions 2014, 2015.

Invited participant, AAMC Leadership Forum, Washington D.C., June 3-4, 2014.

Member, Association of Professional Physiology Education Leaders (APPEL) Inaugural Organizing Committee, Bethesda, MD, August 24-26, 2014.

Invited Co-facilitator, Preserving Science in Medical Schools: Sustaining Funding, Aligning Investigations, and Valuing Teaching, AAMC Annual Meeting, Chicago, IL, November 9, 2014.

Invited to chair the Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Committee for The University of Tennessee Health Science Center in Memphis, TN, February 10-12, 2015 (declined).

Chair, Southern Association of Colleges and Schools Commission on Colleges Substantive Change Committee for the Liberty University Doctor of Osteopathic Medicine program, Lynchburg, VA, April 14-16, 2015.

Member, Southern Association of Colleges and Schools Commission on Colleges Principles Review Committee, 2015-

Chair, Southern Association of Colleges and Schools Commission on Colleges Reaffirmation of Accreditation Committee for Georgia Regents University in Augusta, GA, March 22-24, 2016.

Chair, Southern Association of Colleges and Schools Commission on Colleges Substantive Change Committee for the University of Texas at Austin Dell Medical School in Austin, TX, October 25-27, 2016.

INVITED LECTURES AND PRESENTATIONS:

"The Arterial Chemoreceptors and the Redistribution of Pulmonary Blood Flow in Unilateral Hypoxia" State University of New York at Buffalo, Schools of Medicine and Dentistry, Department of Physiology, January 29, 1975.

"Effects of Systemic Hypoxemia on Pulmonary Blood Flow" Tulane University Medical School Department of Physiology, December, 1977.

"Studies on Hypoxic Pulmonary Vasoconstriction" Tulane University Medical School Department of Physiology, November 9, 1981.

"Pulmonary Vascular Response to Hypoxia" LSUHSC Department of Pharmacology, October 18, 1982.

"Pulmonary Vascular Response to Hypoxia" Alton Ochsner Medical Foundation Department of Anesthesiology, November 12, 1982.

"The Aging Lung" American Physiological Society invited Tutorial Lecture, Honolulu, Hawaii, August 23, 1983.

"Control of the Pulmonary Circulation" Jewish Hospital, Louisville, KY, November 28, 1984.

"Aging of the Respiratory System" Sixteenth Annual Pulmonary Disease Symposium. Jewish Hospital, Louisville, Kentucky, November 29, 1984.

"Tips for Good Scientific Writing" New Orleans Baptist Student Union, November 8, 1985.

"Tips on Scientific Writing" LSUHSC Department of Pharmacology, November 7, 1989.

"The Effects of Stimulation of the Arterial Chemoreceptors on Hypoxic Pulmonary Vasoconstriction" The Johns Hopkins University School of Medicine Department of Anesthesiology and Critical Care Medicine, November 27, 1990.

"Innovations in Medical Education" State of Louisiana Department of Health and Hospitals Office of Mental Health Medical Directors' Meeting, June 11, 1993, Baton Rouge, Louisiana.

"Consult with the Experts: New Ways to Teach Residents and Students" (Panel Discussion) Southern Medical Association, October 29, 1993, New Orleans, Louisiana.

"Lung Physiology" Association of Program Directors in Surgery Annual Basic Science Courses, September 22, 1994, New Orleans, Louisiana.

"Lung Physiology" Association of Program Directors in Surgery Annual Basic Science Courses, September 21, 1995, Boston, Massachusetts.

"Connections: Physiology in the Medical Curriculum" (A.C. Guyton Teacher of the Year Award Address) Teaching Section of the American Physiological Society, Experimental Biology '98. April 20, 1998, San Francisco, California.

"General Anesthesia and the Respiratory System" University of Texas at Houston Health Sciences Center School of Nursing, Nurse Anesthesia Program, July 9, 1999, New Orleans.

"General Anesthesia and the Respiratory System" University of Texas at Houston Health Sciences Center School of Nursing, Nurse Anesthesia Program, July 21, 2000, Houston, Texas.

"General Anesthesia and the Respiratory System" University of Texas at Houston Health Sciences Center School of Nursing, Nurse Anesthesia Program, July 19, 2002, Houston, Texas.

"Positive Pressure Ventilation and Pulmonary Physiology" 9th Annual American College of Chest Physicians Fellows Conference, November 2, 2002, San Diego, California.

"Topics in Pulmonary Physiology" (Roundtable discussion) 9th Annual American College of Chest Physicians Fellows Conference, November 2, 2002, San Diego, California.

"Mechanics of Ventilation" Advances in Physiology; Impact on Our Understanding of Health and Disease, Facultad de Medicina, Universidad Francisco Marroquin, November 15, 2002, Guatemala City, Guatemala.

"Positive Pressure Ventilation and Pulmonary Physiology" 10th Annual American College of Chest Physicians Fellows Conference, October 25, 2003, Orlando, Florida.

"Topics in Pulmonary Physiology" (Roundtable discussion) 10th Annual American College of Chest Physicians Fellows Conference, October 25, 2003, Orlando, Florida.

"Lung Physiology" (three hours) Children's Hospital of Pittsburgh/The University of Pittsburgh School of Medicine Division of Pediatric Pulmonology Faculty and Fellows, June 4, 2004.

Principal Lecturer (six lectures) Sociedad Peruana de Neumologia (Peruvian Society of Chest Diseases) First International Course on Pulmonary Physiology "Tulio Velasquez Quevedo," Lima, Peru, July 2-4, 2004.

“Pulmonary Physiology and Your Patient” 11th Annual American College of Chest Physicians Fellows Conference, October 23, 2004, Seattle, Washington.

“Topics in Pulmonary Physiology” (Roundtable discussion), 11th Annual American College of Chest Physicians Fellows Conference, October 23, 2004, Seattle, Washington.

“Preparing and Giving a Lecture”, in *Teaching in Large Groups and Lectures* in the LSUHSC-NO Academy for the Advancement of Educational Scholarship Teaching Excellence Workshop Series, December 1, 2004.

Principal Lecturer (six lectures) Sociedad Peruana de Neumologia (Peruvian Society of Chest Diseases) Second International Course on Pulmonary Physiology “Tulio Velasquez Quevedo,” Lima, Peru, July 8-10, 2005.

Principal Lecturer (six lectures) Curso Internacional de Fisiologia Respiratoria, III Congreso Trigesimo Primer Aniversio, Clinica Ricardo Palma, Lima, Peru, July 14-16, 2006.

Principal Lecturer (six lectures) Sociedad Peruana de Neumologia (Peruvian Society of Chest Diseases) Fourth International Course on Pulmonary Physiology, Lima, Peru, July 6-8, 2007.
Invited Speaker (six lectures) Joint UNC-Duke Pulmonary Fellowship Educational Symposium, Durham, North Carolina, August 9-10, 2007.

“Using the Pathophysiology of Obstructive Sleep Apnea (OSA) to Teach Cardiopulmonary Integration” American Physiological Society Refresher Course on Respiratory Physiology, Experimental Biology Meeting, San Diego, California, April 5, 2008. (Lecture available online at APS Education Committee web site.)

“Mechanics of Breathing” American Physiological Society sponsored speaker at the annual meeting of the Human Anatomy and Physiology Society (HAPS), New Orleans, Louisiana, May 26, 2008.

“The Process of Scientific Writing” Graduate Student Association Workshop, Texas Tech University Health Sciences Center Department of Cell Physiology and Molecular Biophysics, October 30, 2008.

“Writing Effective Examination Questions” Faculty Development Teaching Workshop, Texas Tech University Health Sciences Center Department of Cell Physiology and Molecular Biophysics, October 31, 2008.

“Writing USMLE-Style Test Items: A Special Workshop for Faculty” Tulane University School of Medicine Office of Medical Education, May 22, 2009.

Visiting Professor, Jefferson Medical College. Pulmonary Physiology block (11 lectures) given to first year medical students, March 15-19, 2010.

“Review of Pulmonary Physiology” 3 hour lecture given to second year medical students, University of South Alabama College of Medicine, May 20, 2010.

“Writing USMLE-Style Test Items” workshop for faculty, University of South Alabama College of Medicine, May 20, 2010.

“Writing USMLE-Style Test Questions,” LSUHSC-NO Academy for the Advancement of Educational Scholarship, Back to Basics Summer Teaching Institute, August 2, 2011.

“Writing Effective Board-Style Examination Questions,” LSUHSC-NO Academy for the Advancement of Educational Scholarship, Back to Basics Summer Teaching Institute, August 7, 2012.

“Confessions of a USMLE Question Writer” Aesculapian Society Banquet, April 16, 2013.

“Alterations of Pulmonary Hemodynamics with Positive Pressure Ventilation” Clear Lake Medical Center 2nd Annual Fall Scientific Respiratory Medicine Symposium, Clear Lake Medical Center, Webster, Texas, November 14, 2013.

“Visualization Exercise” (introductory presentation) in “Preserving Science in Medical Schools: Sustaining Funding, Aligning Investigations, and Valuing Teaching,” AAMC Annual Meeting, Chicago, IL, November 9, 2014.

“Accreditation: Role of Course/Block Directors” American Physiological Society Institute on Teaching and Learning, Madison, Wisconsin, June 21, 2016.

| LSU TEACHING RESPONSIBILITIES: | Lectures given (per year) | Years |
|--|----------------------------------|----------------------|
| Medical Physiology Course (Co-Course Director, 1975-2003; Course Director, 2004-) | 15 hours | 1975-1999 |
| | 14 hours | 2000, 2001 |
| | 15 hours | 2002- 2004 |
| | 16 hours | 2005- |
| Nurse Anesthesia Students | 15 hours | 2003-2004 |
| | 16 hours | 2005, 2007- |
| Nursing Students Pathophysiology Course | 4 hours | 2005 |
| | | 2006, 2007 |
| | 6 hours | 2011 |
| Anesthesiology Residents | 12 hours | 1976-1998 |
| | 4 hours | 2009- |
| Pulmonary Fellows | 6-12 hours | 1982-2005 |
| | 1 hour | 2008-2010 |
| | 3 hours | 2011 |
| | 1 hour | 2012 |
| Cardiopulmonary Science Students | 12 hours | 1982-2005 |
| | 14 hours | 2006 |
| | 20 hours | 2007 |
| | 10 hours | 2008 |
| | 4 hours | 2009 |
| | 2 hours | 2010- |
| Graduate Students | 16 hours | 1975- |
| Interdisciplinary Graduate Students/ Dr. of Physical Therapy/Physician Assistant Students | 22 hours | 2007- |
| Introduction to Clinical Medicine | 2 hours | 1990-2002 |
| Science and Practice of Medicine 100 | 2 hours | 2002- |
| Surgery Residents | 1 hour | 1993 |
| | 2 hours | 2007 |
| Trauma/Critical Care Surgery Fellows | 3 hours | 2004, 2005, 2007- |
| Internal Medicine Residents | 1 hour | 2011 |
| Neonatology Fellows | 4-5 hours | 1984-1985 |
| | 2 hours | 1994 |

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|---|---------|------------|
| | 3 hours | 1999, 2001 |
| | 2 hours | 2004, 2007 |
| Physical Medicine and Rehabilitation Residents | 2 hours | 1992 |
| Participant-Resident Teaching Skills Workshops | – | 1996-1998 |
| Facilitator-Problem Based Learning for First Year Medical Students | – | 1996,1997 |
| Mentor, Faculty Development Teaching Workshop | 2 hours | 1997-1998 |

| TULANE UNIVERSITY SCHOOL OF MEDICINE: | Lectures given (per year) | Year |
|---|----------------------------------|-----------------------|
| Medical Physiology Course | 10 hours | 1989 |
| | 8 hours | 1990 |
| | 6 hours | 1991-1993 |
| | 7 hours | 1994-1996 |
| | 6 hours | 1997 |
| | 7 hours | 1998-2002 |
| | 6 hours | 2003-2005 |
| (At Baylor College of Medicine, Houston, Texas) | 10 hours | 2006 |
| | 10 hours | 2007-2016 |
| Summer Medical Physiology Course | 8 hours | 1994-1999 |
| | 13 hours | 2000 |
| | 8 hours | 2001- 2004 |
| | 12 hours | 2005 |
| Pediatric Pulmonary Fellows | 5 hours | 1989-1990 |
| | 2 hours | 1992 |
| Pulmonary Fellows | 2 hours | 2003-2005, 2009-11 |
| | 6 hours | 2012-2013 |

LSU-TULANE LECTURES

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|----------------------------|--------|------|
| Combined Pulmonary Fellows | 1 hour | 2006 |
|----------------------------|--------|------|

FACULTY DEVELOPMENT CONFERENCE ATTENDANCE:

“Teaching and Assessing Professional Behavior: Models for Physicians in Training” American Medical Association, Chicago, Illinois, September 30 - October 2, 1994.

“Issues in the Admission, Evaluation, and Promotion of Disabled Students” Association of American Medical Colleges Management Education Programs, Leesburg, Virginia, September 28-30, 1995.

Southern Association of Colleges and Schools Leadership Training Workshop Atlanta, Georgia, March 3-4, 2008.

LSU COMMITTEE RESPONSIBILITIES:

LSU School of Medicine

First Year Promotions Committee, 1976-1990; Student Promotions Committee (L-1 and L-2), 1990- ; Chair, 2009-.

Academic Standards Committee, 1977-1984; 1989-; Chairman, 1981-1982; 1989-1993, 1994-.

Curriculum Committee, 1979-; Chairman, 1982-1988; Co-Chairman, 1990-1993; Chairman, 1993-1996; Vice Chairman 1996-1998, 1999-2000; Vice-Chairman, Oversight Committee, 1998-; Leader, Accreditation Working Group, 1996-1998; Leader, Evaluation Working Group, 1998-1999; Curriculum Renewal Committee, 2013-.

Curriculum Evaluation Committee, Chair, 1999-2015; Course Evaluation Committee, Chair, 2015-.

Curriculum Steering Committee, 2016-

Committee on Appointments and Promotions, 2001-2006; Chair, 2004-2005; Vice-Chair, 2005; Chair, 2006.

Committee on Faculty Evaluation, Chair, 2003-2009; Committee on Faculty Development and Evaluation, 2009-2016; Chair, 2009-2012.

Committee on Educational Programs for Southern Association of Colleges and Schools Accreditation Site Visit, Chairman, 1982-1983.

Coordinator, Southern Association of Colleges and Schools Institutional Self-Study and Accreditation Site Visit, 1991-1994.

Ad Hoc Committee on Medical School Admissions and Student Body Numbers, 1984-1985.

Faculty Assembly Planning Committee, 1985-1987.

Committee on Educational Program for the M.D. Degree, LCME Institutional Self-Study and Accreditation Site Visit, Chairman, 1986-1988.

Steering Committee for the LCME Institutional Self-Study and Accreditation Site Visit, 1986-1988.

Steering Committee for LCME Institutional Self-Study and Site Visit, Co-Chairman, 1993-1996.

LCME Self Study Committee on Curricular Management, Evaluation, and Enhancement, 2016-2017.

LCME Self Study Committee on Faculty Preparation, Productivity, Participation, and Policies, 2016-2017.

LCME Self Study Committee on Medical Student Selection, Assignment, and Progress, 2016-2017.

Computer Assisted Instruction Task Force, 1996.

Steering Committee for LCME Institutional Self-Study and Site Visit, 2000-2002.

Objectives Committee for LCME Institutional Self-Study and Site Visit, Chair, 2000-2002.

Basic Science Departments Committee for LCME Institutional Self-Study and Site Visit, 2000-2002.

Academic Affairs Task Force, 1987-1988.

Ad Hoc Committee on Joint Medical School - Dental School Educational Programs (Schools of Medicine and Dentistry), 1987-1989.

Ad Hoc Committee to Evaluate Educational Policies, Chairman, 1988-1989.

Committee for Strategic Issues in Medical Education, 1988-1989.

Honors Program Committee, 1988-; Chair, 2005-2015.

Student-Faculty Council on Professional Conduct, 1990-.

Primary Care Task Force, 1996.

ACGME Institutional Review Document Group, 1997.

Allen Copping Teaching Award Nomination Committee, 1997-2002, 2006-2012.

Dean Search Committee, 2007.

Search Committee for Section Chief of Pulmonary and Critical Care Medicine, 2007.

Committee on Faculty Development Subcommittee on the Faculty Development Form, 1997-2003.

Strategic Plan Work Group on Faculty Development and Mentoring, 2008.

Committee on Faculty for LCME Self Study Institutional Task Force, Co-Chair 2008-2009.

Committee on Institutional Setting for LCME Self Study Institutional Task Force, 2008-2009.

Founding Member, School of Medicine Advisory Committee, Academy for the Advancement of Educational Scholarship, 2005.

Judge, Humanism in Medicine Essay Contest for Medical Students, 2009.

Ad Hoc Committee on Social Networking, 2010.

Strategic Plan Workgroups on Faculty Development and Evaluation and on Educational Enhancement, 2013-2014.

Faculty Advisor, Tiger Rag, 1982-1994, 2001-2003.

Pre-clinical Faculty Advisor, Aesculapian Society, 1984-1997.

Honorary Host, Camp Tiger Silent Auction, 2002-.

LSU School of Allied Health Professions

Search Committee Physical Therapy Department Head 2010-2011.

LSU Health Sciences Center

Committee for the Medical Education Building, 1977-1981.

Pharmacology Search Committee, 1979-1980.

Faculty Handbook Committee, 1987-.

Task Force on Legal Issues, 1987-1988.

Search Committee for Associate Director of Auxiliary Enterprises, Chairman, 1990; 1993.

Commencement Committee, 1990-.

LSUHSC - New Orleans Campus Evaluation and Planning Committee, 1993-1995.

Co-Director, Southern Association of Colleges and Schools Institutional Self-Study and Accreditation Site Visit, 1993-1994.

Planning and Implementation Committee, 1994-.

Academic Performance Resources in LSUHSC Committee, 1996-.

Educational Programs Committee, Chairman, 1995-1998.

Faculty Development Committee, 1995-1998.

Publications Committee, 1996-1998.

Alumni Affairs Committee, 1996-1998.

Committee to Consolidate Teaching, 2002.

Conflict of Interest Committee, 2007-.

Faculty Appeals Committee, 2011-.

Information Technology Committee, 2011-.

LSU Health Sciences Center Foundation

Faculty/Staff Annual Fund Cabinet, Chairman, 1995-1996.

Excellence Awards Selection Committee, 1997; 2002.

LSU System

Executive Graduate Council, 1985-1988.

Honorary Degree Committee, 2006-.

LSU Elected Offices

Administrative Council, LSU School of Medicine: Elected Basic Sciences Representative, 1988-1990.

Delegate of the Faculty Assembly, LSU School of Medicine, 1987-1994, 1995 -1998, 1999-2008, 2009-2018; Secretary, 1989-1991; President-elect, 1991-1992; President, 1992-1993; Executive Board, 1989 -1993; 2012-2014; President-elect, 2012-2013; President, 2013-2014.

Faculty Senate, Louisiana State University Health Sciences Center, 1997-2001, 2003-2006, 2009-; President, 1997-1998; Parliamentarian, 1998-1999; President-Elect 2004-2005, President, 2005-2006; Ex Officio, 2006-2008; President-Elect, 2010-2011; President, 2011-2012.

Member, Board of Trustees, LSUHSC Sigma Xi Chapter, 1996.

Department of Physiology, LSU Health Sciences Center

Departmental Graduate Committee, 1979-2003, 2008-; Chairman (Graduate Coordinator), 1987-1990, 2008-2015.

Departmental Committee on Promotion and Tenure, Chair, 1985-2001, 2011-.

LSU School of Graduate Studies of the Health Sciences Center

Committee on Purpose for Southern Association of Colleges and Schools Accreditation Site Visit, 1982-1983.

Faculty Council, 1983-1988.

New Orleans Graduate Advisory Council, 1988-1991, 2008-.

Curriculum Committee, 1988; 2009-.

Screening Committee for Assistant Dean, Chairman, 1992.

Graduate Committees

Major Advisor:

Joseph Kanusky, C.R.N.A. (M.S., May, 1980)
Retired as Associate Professor, University of Texas School of Nursing at Houston, University of Texas Health Science Center at Houston

William Strawn, M.S. (Ph.D., August, 1981)
Currently Assistant Professor, Surgical Sciences, Hypertension and Vascular Research Center, Department of Physiology and Pharmacology, Wake Forest University Medical Center

Stanley Hall, M.D. (Ph.D., August, 1983)
Currently Co-Director, Department of Anesthesiology, Children's Hospital of New Orleans; Clinical Professor of Anesthesiology, Physiology and Cardiopulmonary Science, LSU Health Sciences Center; and Clinical Assistant Professor of Anesthesiology, Tulane University Medical Center

Mark Chapleau (Ph.D., May, 1985)
Currently Professor of Internal Medicine, University of Iowa College of Medicine

Jimmy Cairo, M.S., R.R.T. (Ph.D., May, 1986)
Currently Dean of the School of Allied Health Professions and Professor, Department of Cardiopulmonary Science; and Professor of Physiology, LSU Health Sciences Center

L. Britt Wilson (Ph.D., May, 1988)
Currently Associate Professor of Physiology and Pharmacology, University of South Carolina School of Medicine

Andrew Pellett (Ph.D., May, 1991)
Currently Associate Professor and Head of Cardiopulmonary Science and Associate Professor of

Physiology, LSU Health Sciences Center

Have served as a committee member for 41 students awarded Ph.D.'s and 1 awarded an M.S.

| | | |
|--------------------------|-------------------------------|-------------------|
| Jack MacKenzie | Paul Werchan | Brian Lipton |
| Mark Heiman | Daniel Kapusta (Pharmacology) | Matthew Edavettal |
| Will Long | Janice Johnson | David Stoltz |
| James Martin (M.S.) | Jan Duttarer | Wenwu Zhang |
| John DeLamatre | Susan Dluz | Jitka Ismail |
| Marion Fintel | Fahdel Alarrayed | Darren Boé |
| Frank McCoy | Patricia Molina | Wasonga Adhoch |
| Alan Bass (Pharmacology) | Eric Chien | Albert Swafford |
| Geraldine Pelle-Day | Dadin Fu | Lee Quinton |
| Owen McGuinness | Jer-Min Huang | Robert Siggins |
| Mark Huth | Patrick Campbell | Caroline Raasch |
| Wayne Barbee | Todd Murry | Nick Melvan |
| Lani Smith | Diane Madras | Annie Whitaker |
| Roy Borchardt | Arif Hasan | Greg Lee |

Current Committees: Jacques Mayeux, John Maxi

OTHER COMMITTEE SERVICE:

University of Pennsylvania Alumni Secondary Schools Committee, New Orleans, Louisiana, 1984-

PUBLICATIONS:

BOOKS:

Levitzky, M.G. Pulmonary Physiology. McGraw-Hill, New York, 1982, 271 pp.

Levitzky, M.G. Pulmonary Physiology, 2nd Ed. McGraw-Hill, New York, 1986, 276 pp.

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Levitzky, M.G. Pulmonary Physiology, 4th Ed. McGraw-Hill, New York, 1995, 299 pp.

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- Levitzky, M.G., S.M. Hall, and K.H. McDonough. Cardiopulmonary Physiology in Anesthesiology. McGraw-Hill, New York, 1997, 322 pp.
- Ali, J., W.R. Summer, and M.G. Levitzky (eds.). Pulmonary Pathophysiology, McGraw-Hill, New York, 1999, 347 pp.
- Levitzky, M.G. Pulmonary Physiology, 5th Ed., McGraw-Hill, New York , 1999, 306 pp.
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- Ali, J., W.R. Summer, and M.G. Levitzky (eds.). Pulmonary Pathophysiology, 2nd Ed. McGraw-Hill (Lange Series), New York, 2005, 317 pp.
- Levitzky, M.G. Pulmonary Physiology, 7th Ed., McGraw-Hill (Lange Series), New York, 2007, 280 pp.
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- Ali, J., W.R. Summer, and M.G. Levitzky (eds.). Pulmonary Pathophysiology, 3rd Ed. McGraw-Hill (Lange Series), New York, 2010, 296 pp.
- Raff, H. and M.G. Levitzky (eds.). Medical Physiology: A Systems Approach. McGraw-Hill, New York, 2011, 786 pp.
- Ali, J., W.R. Summer, and M.G. Levitzky (eds.). Fisiopatologia Pulmonar, 3rd Ed., Editora Manole, Sao Paulo, 2012, 324 pp. (Portuguese translation of Pulmonary Pathophysiology, 3rd Ed.)
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- Levitzky, M.G. Pulmonary Physiology, 8th Ed., McGraw-Hill (Lange Series), New York, 2013, 306 pp.
- Levitzky, M.G. Fisiologia Pulmonar, 8th Ed., Editora Manole, Sao Paulo, 2016, 340 pp. (Portuguese translation of Pulmonary Physiology, 8th Ed.)

BOOK CHAPTERS:

- Heck, H.A. Jr. and M.G. Levitzky: “The Respiratory System.” In: O’Leary J.P., The Physiologic Basis of Surgery, 3rd Ed., Lippincott Williams and Wilkins, pp. 419-456, 2002.

Heck, H.A. Jr. and M.G. Levitzky: "The Respiratory System." In: O'Leary J.P. and A. Tabuenca (eds.), *The Physiologic Basis of Surgery*, 4th Ed., Lippincott Williams and Wilkins, pp. 434-474, 2008.

Chapters in Raff, H. and M.G. Levitzky (eds.). *Medical Physiology: A Systems Approach*. McGraw-Hill, New York, 2011:

Raff, H. and M.G. Levitzky: Chapter 1. "Introduction to Physiology – Homeostasis," pp. 1-8.

Levitzky, M.G.: Chapter 31. "Function and Structure of the Respiratory System," pp. 305-312.

Levitzky, M.G.: Chapter 32. "Mechanics of the Respiratory System," pp. 313-330.

Levitzky, M.G.: Chapter 33. "Alveolar Ventilation," pp. 331-340.

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Levitzky, M.G.: Chapter 36. "Transport of Oxygen and Carbon Dioxide," pp. 363-374.

Levitzky, M.G.: Chapter 37. "Acid-Base Regulation and Causes of Hypoxia," pp. 375-384.

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| <u>Title</u> | <u>Volume: Pages</u> | <u>Edition First Appeared</u> |
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| Black Lung | 2:405-406 | 1992 |
| Brown Lung | 2:654 | 1993 |
| Cystic Fibrosis | 4:1208 | 1991 |
| Diphtheria | 5:215-216 | 1993 |
| Emphysema | 6:261-262 | 1988 |
| Pleurisy | 15:573 | 1988 |
| Pneumonia | 15:586-587 | 1991 |
| Pneumothorax | 15:589 | 1988 |
| Scrofula | 17:227 | 1994 |
| Silicosis | 17:458-459 | 2003 |
| Snoring | 17:538 | 1995 |
| Spirometer | 18:797 | 1994 |
| Tuberculosis | 19:477-479 | 1988 |
| Whooping Cough | 21:288-289 | 1993 |

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- Pellett, A.A., D.A. Welsh, B.P. deBoisblanc, G. Lipscomb, R.W. Johnson, K.C. Lord, and M.G. Levitzky. Low positive end-expiratory pressure does not exacerbate nebulized-acid lung injury in dogs. J. Crit. Care 20:97-105, 2005.
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- Levitzky, Michael G. Using the pathophysiology of obstructive sleep apnea (OSA) to teach cardiopulmonary integration. Adv. Physiol. Educ. 32:196-202, 2008.

Levitzky, M. APS AAMC CFAS Report, The Physiologist 57: 203-205, 2014.

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ABSTRACTS:

Davies, D.G., M.G. Levitzky and J.A. Krasney. Hemodynamic effects of acetazoleamide injections into the cerebrospinal fluid. Sixth International Symposium on Cerebral Circulation and Metabolism. Philadelphia, 1973.

Krasney, J.A., M.G. Levitzky and R.C. Koehler. Sinoaortic reflexes and the Cushing Response. Physiologist. 16:(3), 1973.

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Berkman, R.A., M.G. Levitzky and R.E. Dutton. Portal blood flow and peripheral arterial NH₃ concentration during systemic hypercapnia. Fed. Proc. 34:430, 1975.

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