

Emilio Mazza, M.D., Ph.D

EDUCATION

- Robert Wood Johnson Medical School, Piscataway, NJ, M.D., 2000
- Rutgers University, Piscataway, NJ, Ph.D Physiology & Neurobiology, 1999
- University of Pittsburgh, Pittsburgh, PA, B.S. Neuroscience

BOARD CERTIFICATIONS

- American Board of Internal Medicine, 2003
- Internal Medicine, 2003-2013
- Pulmonary Diseases, 2005-2015
- Critical Care, 2006-2016
- Certified Sleep Medicine, 2010-2020

POSTGRADUATE TRAINING

- June 2000 - June 2001
 - *Internship*, Internal Medicine Hospital of the University of Pennsylvania, University of Pennsylvania Health Systems
- July 2001 - June 2003
 - *Residency*, Internal Medicine | Hospital of the University of Pennsylvania, University of Pennsylvania Health Systems
- July 1, 2003 - December 31, 2004
 - *Fellowship*, Pulmonary and Critical Care Medicine, Hospital of the University of Pennsylvania, University of Pennsylvania Health Systems
- January 1, 2004 - September 1, 2006
 - *Fellowship*, Sleep Medicine, Hospital of the University of Pennsylvania, University of Pennsylvania Health Systems

LICENSE

- Medical Physician and Surgeon, Pennsylvania
- Medical Doctor and Surgeon, New Jersey

HOSPITAL PRIVILEGES

- Robert Wood Johnson University, Hospital at Hamilton, N.J., *Active Staff*
- St. Francis Medical Center, Trenton, N.J., *Courtesy Staff*
- Capital Health System, Mercer Hospital/Helene Fuld, *Active Staff*
- University Medical Center at Princeton, N.J., *Courtesy Staff*

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EMPLOYMENT

- January 1992 - July 1992, Research Assistant, Department of Medicine, UMDNJ Robert Wood Johnson Medical School
- July 2004 - August 2006, ICU House Physician, Presbyterian Medical Center
- University of Pennsylvania Healthy System, Philadelphia, PA
- July 2004 - August 2006, House Physician, Cardiology Nurse Practitioner & Critical Care Service, Hospital of the University of Pennsylvania, Philadelphia, PA
- December 2004 - April 2006, Attending Physician, Emergency Room, Philadelphia VA Medical Center, Philadelphia, PA
- June 2005 - December 2005, Hospitalist, Pulmonary & Sleep Physicians of South Jersey, Mount Laurel, NJ

AWARDS & HONORS

- 1988 - 1991, Dean's Honor List, University of Pittsburgh
- 1988, Phi Eta Sigma, Freshman National Honor Society
- 1990, Golden Key Junio, Senior National Honor Society
- 1990 - 1991, Tri Beta, National Biological Honor Society
- 1991, James B. Lawler Memorial Scholarship, University of Pittsburgh
- 1991, Chancellor's Undergraduate Research Fellowship, University of Pittsburgh
- 1991, University Scholar, University of Pittsburgh
- 1991, Graduated Summa Cum Laude, University of Pittsburgh
- 1991, Graduated with Departmental Honors, Department of Behavioral Neuroscience
University of Pittsburgh
- 1996, Graduate Student Award for Outstanding Abstract Presentation, American Physiological Society Conference, Neural Control of Breathing: Molecular to Organismal Perspectives
- 1998, Proctor & Gamble Professional Opportunity Award for Meritorious Research
American Physiological Society, Experimental Biology Conference 1998
- 1998, Dean's Award for Excellence in Research, Graduate School New Brunswick Rutgers, The State University of New Jersey
- 2002, Maurice F. Attie Junior Resident Teaching Award, Department of Medicine Hospital of the University of Pennsylvania
- 2003, Maurice F. Attie Senior Resident Teaching Award, Department of Medicine Hospital of the University of Pennsylvania

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PROFESSIONAL SOCIETIES

- American Physiological Society
- American College of Physicians
- American Society of Internal Medicine
- American Association of Sleep Medicine
- American Thoracic Society
- American College of Chest Physicians

RESEARCH

- "Cellular Mechanisms Determining the Hypoxic Response in Premotor Sympathetic and Respiratory Neurons," American Heart Association, New Jersey Affiliate Pre-Doctoral Fellowship, 95-FS-08, 1995 - 1997, \$32,000

PUBLISHED PAPERS, ABSTRACTS, & BOOKS

- Mazza E, Núñez-Abades PA., Spielmann JM, Cameron WE.: Anatomical & electrotonic coupling in developing genioglossal motoneurons of the rat, *Brain Res* 598:127-137, 1992
- Mazza E, Edelman JN, Neubauer JA: Hypoxic excitation in neurons cultured from the rostral ventrolateral medulla of the neonatal rat. *J. Appl. Physiol.* 88:2319-2329, 2000
- Mazza, E, Thakker-Varia SW., Tozzi CA, Neubauer JA: Expression of hemeoxygenase in the rostral ventrolateral medulla of the rat. *J.Appl. Physiol.* 91:379-385, 2001
- Sanfilippo-Cohn, B., Lai, S., Zhan G., Fenik, P., Pratico, D., Mazza, E., Veasey, S.G.: Sex differences in susceptibility to oxidative injury and sleepiness from intermittent hypoxia. *Sleep* 29: 152-159, 2006
- Thakker-Varia S., Mazza E., Tozzi CA, Riley DJ, Neubauer JA. Induction of heme-oxygenase-1 in the RVLM with chronic hypoza, *Amer. J. Respir. Crit. Care Med.* 153 153(4):A158, 1996.
- Mazza E., Thakker-Varia S., Zingariello M., Tozzi CA, Neubauer JA. Differential expression of heme oxygenase isoforms in the rostral ventrolateral medulla of the rat, *Abstr Society Neurosci*:22(2):1597, 1996.
- Akay M., Mazza, E., Neubauer JA. Non-Linear Dynamic Analysis of Hypoxia induced changes in action potential shape in neurons cultured from the rostral ventrolateral medulla (RVLM), *FASEB Journal* 12:A495, 1998.
- Gershenbaum, E., Zingariello M., Mazza E., Le-Hoang O., D'Agostino D., Neubauer JA. Localization of heme-oxygenase in catecholaminergic serotonergic neurons cultured from the rostral ventrolateral medulla (RVLM) of the rat, *FASEB Journal* 12:A495, 1998.

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- Mazza E, Neubauer JA. Electrophysiological response to hypoxia after inhibition of heme-oxygenase in neurons cultured from the rostral ventrolateral medulla, FASEB Journal 12:A497, 1998.
- D'Agosini, DD, Mazza, E, Le-Hoang, T, Neubauer, JA. Heme oxygenase is necessary for hypoxic excitation of rostral ventrolateral medullary (RVLM) neurons, FASEB Journal 15:A818, 2001.
- Mazza Jr E, Maislin G, George CF, Dinges DF, Pack, AI. Single trial reliability of objective tests for daytime somnolence in obstructive sleep apnea (OSA) Sleep 26: A239, 2003
- Mazza E, Gurubhagavatula I. Congestive heart failure. In: Lee-Chiong TL, editor: Sleep, A Comprehensive Handbook, Hoboken, 2006, J Wiley and Sons, pp 721-726.
- Mazza E, Taichman, D. Functions and Control of the Pulmonary Circulation. In: Taichman D Mandel J, editors: Pulmonary Vascular Disease. Philadelphia, 2006, Elsevier, pp 1-19

TEACHING & PRESENTATIONS

- 1995-1998, Lab Instructor and Small Group Facilitator, Medical Physiology
- UMDNJ - Robert Wood Johnson Medical School, Piscataway, NJ
- 1996, Lecturer, Pulmonary/Critical Care Fellowship Course, Respiratory Physiology, Division of Pulmonary and Critical Care Medicine, UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ
- 1999-2000, Small Group Facilitator, Case Based Learning Course, UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ
- June 2, 1995, Presentation entitled "Effects of Hypoxia on Cultured Neurons from the Rostral Ventrolateral Medulla." | New Jersey Thoracic Society Scientific Session
- July 2, 1996, Presentation entitled "Neurons from the Rostral Ventrolateral Medulla Retain Hypoxic Excitation in Primary Cultures." | FASEB Summer Research Conference, Neural Mechanisms in Cardiovascular Regulation
- April 19, 1998, Presentation entitled "Electrophysiological Response to Hypoxia After Inhibition of Heme Oxygenase in Neurons Cultured from the Rostral Ventrolateral Medulla."
- June 2001-June 2003, Clinical Instructor for Medicine 200 students, Department of Medicine, Hospital of the University of Pennsylvania.
- 2001, Clinical Instructor Medicine 304 History and Physical Diagnosis Course
- 2005, Small Group Facilitator, Pulmonary Disorder and Sleep Medicine Section, Department of Medicine, University of Pennsylvania School of Medicine