

**CURRICULUM VITAE
DOMINIC L. PALAZZOLO**

January, 2011

TITLE AND PRESENT POSITION:

Professor of Physiology
DeBusk College of Osteopathic Medicine
Lincoln Memorial University
6965 Cumberland Gap Parkway
Harrogate, TN 37752
Telephone: (423) 869-6680
FAX: (423) 869-7174
dominic.palazzolo@lmunet.edu

EDUCATION:

Ph.D. -	Physiology August 1990	Kansas State University Manhattan, KS
M.S. -	Anatomy & Physiology May 1985	Kansas State University Manhattan, KS
B.S. -	Biology May 1983	Providence College Providence, RI

EMPLOYMENT:

2008 - present	Professor of Physiology, DuBusk College of Osteopathic Medicine, Lincoln Memorial University, Harrogate, TN (Start Date of July 1, 2008).
1999 - 2008	Associate Professor of Physiology, Pikeville College School of Osteopathic Medicine, Pikeville, KY.
1994 - 1999	Assistant Professor, Department of Physiology, Nova Southeastern University, College of Medical Sciences, Davie, FL.
1990 -1994	Captain, US Army, Biomedical Researcher, Armed Forces Radiobiology Research Institute, Radiation. Biochemistry Department, Bethesda, MD.

TEACHING EXPERIENCE:

Professor - Department of Anatomy and Physiology, DeBusk College of Osteopathic Medicine, Lincoln Memorial University, 2008 to present.

Adjunct Professor – Department of Natural Sciences, Walters State Community College, 2009 – to present.

Associate Professor -Department of Physiology, Pikeville College School of Osteopathic Medicine, 1999 to 2008.

Adjunct Professor – Department of Biological and Environmental Science, Morehead State University, 2005 - 2008

Adjunct Professor – Department of Natural Sciences, University of Virginia’s College at Wise, 2004 - 2008

Adjunct Professor - Division of Mathematics and Science, Big Sandy Community and Technical College, 2000 to 2003.

Assistant Professor - Department of Physiology, Nova Southeastern University, College of Medical Sciences, 1994 to 1999.

Adjunct Professor - Departments of Natural Sciences and Science and Wellness, Broward Community College (South, North and Central Campuses), 1995 to 1998.

Mentor - Students interested in Neuroscience, Sponsored by George Washington University, Department of Defense, and Thomas Jefferson High School for Science and Technology, 1993 to 1994.

Instructor - Medical Effects of Nuclear Weapons: Low Level Effects of Ionizing Radiation, Armed Forces Radiobiology Research Institute, 1991 to 1994.

CURRENT ADMINISTRATIVE AND COMMITTEE EXPERIENCE:

Health Sciences Research and Grants Committee (Chair)

Faculty Senate (DCOM and LMU)

Admissions Committee

Library and Resources Committee

Accommodations Committee

AWARDS AND HONORS:

Basic Sciences Faculty of the year award 2008-2009
Sigma Xi Research Excellence Award, March 1986.
Phi Zeta Award for Research, March 1986.

AFFILIATIONS:

International Association of Medical Science Educators
Society for Experimental Biology and Medicine
Society for Neuroscience

EDITORIAL RESPONSIBILITIES:

Reviewer for the international journal Basic and Clinical Pharmacology and Toxicology,
April 1994 to present.

COMMUNITY OR CIVIC SERVICE ACTIVITIES:

Volunteer for the Regional Science Olympiad
Volunteer as Mentor for Local Boy Scout Troop

PUBLICATIONS:

Book Chapters

Bogo, V., Kumar, K.S., Baxter, S., Hogan, J.B., Palazzolo, D.L., Landauer, M.R., Clark, E.P. and Harris, A.H. (1997): Effects of eicosanoid radioprotectors on rat motor performance. In *Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation and Radiation Injury 2*, ed. K.V. Honn et al., Plenum Press, New York, chapter 103, pp. #805-810

Kumar, K.S., Srinivasan, V., Palazzolo, D.L., Kendrick J.M. and Clark, E.P. (1997): Synergistic Protection of irradiated mice by combination of iloprost and misoprosol. In *Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation and Radiation Injury 2*, ed. K.V. Honn et al., Plenum Press, New York, chapter 107, pp. #831-839.

Reviews

Quadri, S.K., Palazzolo, D.L. Endocrine changes in the aging dog. *Veterinary Medicine*, July, pp.# 692-706, 1991.

Refereed Journal Articles

Palazzolo, D. L., Jansen, K.P. (2008): Minimal Arsenic Concentration Required to Inhibit Thyroid Peroxidase Activity In Vitro, *Biological Trace Element Research*, 126:49-55.

Palazzolo, D.L., Kumar, K.S. (1995): Effects of s-2(3-methylaminopropylamino) ethylphosphorothioic acid (WR-3689), alone or combined with caffeine on catecholamine content of mouse adrenals. *Toxic Substances Mechanisms*, 14:1-12.

Pendergrass, J.A., Clark, E.P., Palazzolo, D.L. (1993): Glutathione chromatography using the BAS 200A system: Addition of diethylenetriaminepentaacetic acid to the mobile phase improves peak symmetry. *Current Separations*, 12:137-140.

Palazzolo, D.L., Kumar, K.S. (1993): Effects of s-2(3-methylaminopropylamino) ethylphosphorothioic acid (WR-3689), alone or combined with caffeine on catecholamine content of mouse hypothalamus. *Proceedings for the Society of Experimental Biology and Medicine*, 203:304-310.

Palazzolo, D.L., Quadri, S.K. (1992): Interleukin-1 inhibits serotonin release from the hypothalamus in Vitro. *Life Sciences*, 51:1797-1802.

Palazzolo, D.L., Quadri, S.K. (1990): Interleukin-1 simulates catecholamine release from the hypothalamus. *Life Sciences*, 47:2105-2109.

Palazzolo, D.L., Quadri, S.K. (1990): Optimal conditions for long-term storage of biogenic amines for subsequent analysis by column chromatography with electrochemical detection. *Journal of Chromatography*, 518:258-263.

Palazzolo, D.L., Quadri, S.K. (1989): Reduced variation in retention times of biogenic amines by temperature control in liquid chromatography with electrochemical detection. *Journal of Chromatography*, 479:216-219.

Palazzolo, D.L., Quadri, S.K. (1987): Plasma thyroxine and cortisol levels under basal conditions and during exposures to low ambient temperatures in the aging dog. *Proceedings for the Society of Experimental Biology and Medicine*, 185:305-311.

Palazzolo, D.L., Quadri, S.K. (1987): Effects of aging on canine serum cortisol circadian periodicity. *Experimental Gerontology*, 22:379-387.

Abstracts

Palazzolo, D. L., Jansen, K.P. (2007): Minimal Arsenic Concentration Required to Inhibit Thyroid Peroxidase Activity In Vitro, *Journal of the Kentucky Academy of Science (93rd Annual Meeting, Louisville, KY, November 8-10, 2007)*.

Kumar, K.S., Srinivasan, V., Palazzolo, D.L., Clark, E.P., Seed, T.M. (2000): A radioprotective drug mechanism in mice. *Journal of the Kentucky Academy of Science*, 61:169.

Kumar, K.S., Palazzolo, D.L., Kendrick, J.M., Cohen, T.M., Srinivasan, V. (1996): Radiation protection by a combination of WR-3689, 3D-MPL, iloprost, and misoprostol. Abstracts of the 44th Annual Meeting of the Radiation Research Society.

Palazzolo, D.L., Pollack, M.E., Kumar, K.S. (1994): Effects of s-2(3-methylaminopropylamino)ethylphosphorothioic acid (WR-3689), Alone or Combined with Caffeine, on the Synthesis of Catecholamines in Mouse Hypothalamus. Abstracts of the 7th Annual Spring Meeting of the Oxygen Club of the Greater Washington, D.C. Area.

Kumar, K.S., Srinivasan, V., Palazzolo, D.L., Weiss, J., Clark, E.P. (1993): Strategies in the development of radiation protectors. *International Symposium on Emerging Frontiers in Radiation Biology* (Bombay, India), p28.

Bogo, V., Kumar, K.S., Baxter, S.S., Hogan, J.B., Palazzolo, D.L., Landauer, M.R., Clark, E.P., Harris, A.H. (1993): Effects of eicosanoids radioprotectors on rat motor performance. Abstracts of the 3rd International Conference on Eicosanoids and other Bioactive Lipids in Cancer, Inflammation and Radiation Injury, p211.

Kumar, K.S., Srinivasan, V., Palazzolo, D.L., Kendrick, J.M., Clark, E.P. (1993): Synergistic protection of irradiated mice by a combination of iloprost and misoprostol.

Abstracts of the 3rd International Conference on Eicosanoids and other Bioactive Lipids in Cancer, Inflammation and Radiation Injury, p122.

Cohen, T.M., Palazzolo, D.L. (1993): Effects of s-2(3-methylaminopropylamino)ethylphosphorothioic acid (WR-3689) on the in vitro release of 5-hydroxytryptamine (5-HT) from the mouse hypothalamus. *Proceedings of the Society for Neuroscience* (Abstracts), 19:298.

Palazzolo, D.L., Cohen, T.M. (1993): Effects of s-2(3-methylaminopropylamino)ethylphosphorothioic Acid (WR-3689) on the in vitro release of dopamine (DA) from the mouse hypothalamus. *Proceedings of the American Society of Pharmacology and Experimental Therapeutics* (Abstracts), 35:153.

Palazzolo, D.L., McLean, W.A., Kumar, K.S. (1992): Effects of s-2(3-methylaminopropylamino)ethylphosphorothioic acid (WR-3689) on the content of catecholamines in mouse adrenals. *Proceedings of the Society for Neuroscience* (Abstracts), 18:1376.

Palazzolo, D.L. (1992): Effects of s-2(3-methylaminopropylamino)ethylphosphorothioic acid WR-3689, alone or in combination with caffeine, on the catecholamine content of mouse hypothalamus. *FASEB Journal*, 6:A1557.

Quadri, S.K., Palazzolo, D.L. (1990): Inhibition of serum thyroxine levels during exposure to high ambient temperatures. *FASEB Journal*, 4:A303.

Palazzolo, D.L., Quadri, S.K. (1990): Effects of Interleukin-1-beta on the in vitro release of hypothalamic serotonin. *Proceedings of the Kansas Academy of Sciences*, 9:44.

Palazzolo, D.L., Thyagarajan, S., Quadri, S.K. (1989): Effects of aging on in vitro catecholamine release. *Proceedings of the Gerontological Society of America (Abstracts)*, 29:93a.

Palazzolo, D.L., Quadri, S.K. (1989): Effects of Interleukin-1-beta on the in vitro release of catecholamines from the hypothalamus. *Proceedings of the Society for Neuroscience (Abstracts)*, 15:380.

Palazzolo, D.L., Quadri, S.K. (1989): Storage of biogenic amines in Krebs-Ringer Henseleit solution. *Proceedings of the Kansas Academy of Sciences*, 8:26.

Palazzolo, D.L., Quadri, S.K. (1988): Temperature control in high performance liquid chromatography (HPLC) reduces variation in retention times of biogenic amines. *Proceedings of the Kansas Academy of Sciences*, 7:34.

Palazzolo, D.L., Quadri, S.K. (1987): Elevations in serum cortisol during exposure to high ambient temperatures. *Federation Proceedings*, 46:647.

Palazzolo, D.L., Quadri, S.K. (1986): Changes in serum prolactin, corticosterone, thyroxine, pituitary prolactin and hypothalamic catecholamines in response to the stress of low ambient temperatures. *Proceedings of the Society for Neuroscience (Abstracts)*, 12:1521.

Palazzolo, D.L., Quadri, S.K. (1986): Changes in serum prolactin, corticosterone, pituitary prolactin and hypothalamic catecholamines in response to immobilization stress. *Federation Proceedings*, 45:280.

Palazzolo, D.L., Quadri, S.K. (1986): Circadian rhythm in serum cortisol in the dog: Effects of aging. *Proceedings of the Kansas Academy of Sciences*, 4:38.

Palazzolo, D.L., Quadri, S.K. (1984): Effects of aging on thyroxine (T4) and cortisol responses to low ambient temperatures in the dog. *Physiologist*, 27:239.