

Biographical Brief

Michael A. Palladino, Ph.D.
Vice Provost for Graduate Studies
Professor, Biology
Monmouth University
Tel: (732) 571-7550



E-mail: mpalladi@monmouth.edu

Web: www.monmouth.edu/science; <http://bluehawk.monmouth.edu/~mpalladi>

Michael A. Palladino is Dean of the School of Science and Associate Professor of Biology at Monmouth University in West Long Branch, NJ. He received his B.S. in Biology from Trenton State College (now known as The College of New Jersey) in 1987. From 1987 to 1988, he studied nucleic acid biochemistry and molecular biology of DNA triple-helix formation in the laboratory of Dr. Jacques Fresco in the Department of Molecular Biology at Princeton University. In 1994, he completed a Ph.D. in Anatomy and Cell Biology from the University of Virginia with Dr. Barry Hinton where he studied genes involved in protecting spermatozoa from oxidative damage and mechanisms of gene expression regulation by sex steroids in the mammalian testis and epididymis. From 1994 to 1999 he was a faculty member in the Biology Department at Brookdale Community College in Lincroft, NJ. In 1999 he joined the biology faculty at Monmouth University and was appointed Dean in July 2008.

The School of Science comprises 52 full-time faculty and ~70 adjunct faculty in four departments (Biology; Chemistry, Medical Technology and Physics; Computer Science and Software Engineering; and Mathematics), and two Centers of Distinction (Rapid Response Institute, Urban Coast Institute). The School enrolls ~700 students and offers B.S degrees in all disciplines and M.S. degrees in computer science and software engineering. As the School's chief academic and administrative officer the Dean reports directly to the Provost/Vice President for Academic Affairs. Dean Palladino is responsible for articulating and advocating the mission and goals of the School, leading efforts in curriculum innovation and research initiatives, fiscal management and fundraising, overseeing the quality of the general education experience delivered by the School, assessment, planning, enrollment management, supporting scholarly and professional development of faculty, directing faculty and staff recruitment and making recommendations on hiring, tenure and promotion.

Dr. Palladino has taught majors and nonmajors in a wide range of undergraduate courses including anatomy and physiology, biology of drug addiction, biotechnology, cell and molecular biology, endocrinology, genetics, human biology, principles of biology, and life sciences. He has received several awards for research and teaching including the 2005 Distinguished Teacher Award from Monmouth University, the 2005 Caring Heart Award from the New Jersey Association for Biomedical Research, the 1993 New Investigator Award from the American Society of Andrology, and the 1997-98 Outstanding Colleague Award for teaching excellence from Brookdale Community College. In 2009 Dr. Palladino received the Young Investigator Award from the American Society of Andrology (ASA). This award recognizes significant research contributions to the field of andrology by a member of the ASA under 45 years of age.

Dr. Palladino developed the Monmouth University School of Science Summer Research Program (www.monmouth.edu/srp), and he has an active laboratory of undergraduate students involved in research on the cell and molecular biology of male reproductive organs. His laboratory studies genes and proteins involved in cellular and molecular responses to impaired blood flow and oxygen levels in the testis and epididymis and how oxygen related clinical problems can result in impaired fertility or infertility, and his laboratory conducts research on genes involved in protecting male reproductive organs from bacterial infections. His research has been funded by over \$700,000 in grants from the National Institutes of Health, Baystate Medical Center, Bristol-Myers Squibb, the Department of Labor, the NJ Department of Environmental Protection, and the NJ Sea Grant College Program. Dr. Palladino has served as a research mentor for 77 students. Monmouth undergraduate students under his supervision have presented research at regional, national, and international meetings, won awards for research presentations, co-authored publications, and have received over \$40,000 in research-related grants and scholarships. Dr. Palladino has authored, co-authored or edited over 30 peer-reviewed scientific publications, and he has delivered over 100 talks as an invited speaker for lectures, keynote addresses, workshops, and conference presentations nationally and internationally.

Dr. Palladino is actively involved in many scientific organizations. A strong advocate for students, he is past chair of the Trainee Affairs Committee for ASA and previously served as the faculty advisor for the Trainee Affairs Committee of SSR. Currently he is an elected member of the Biology Council of the Council on Undergraduate Research (CUR), and the Chairman of the Finance Committee for ASA. He previously served as the Northeast Regional Coordinator for the sanofi-aventis BioGENEius Challenge, an international competition for high school students working on biotechnology research projects, and on the Executive Council of the American Society of Andrology. Dr. Palladino currently serves on the Board of Trustees for Einstein's Alley, Executive Board for the Metropolitan Association of College and University Biologists, the Biotechnology Advisory Committee for Raritan Valley Community College, the Advisory Board for Candor International School in Bangalore, India, and the Advisory Board for the Monmouth County Vocational School System Biotechnology High School.

Dr. Palladino was a project partner, Governance Board member and Executive Committee member for a \$5.1 million Department of Labor Workforce in Regional Economic Development (WIRED) Bio-1 partnership grant (<http://www.bionjtalentnetwork.org/about/>). The Bio-1 partnership was a five-county group of academic and industry partners involved in transforming the life science workforce in NJ. Through the WIRED program, Dr. Palladino served as founder and director for the New Jersey Biotechnology Educator's Consortium (NJBEC), a statewide association for biotechnology teachers from high schools, community colleges, and four-year colleges and universities.

Dr. Palladino is on the editorial boards for the *Journal of Andrology* and *Biology of Reproduction* and he is a reviewer for several research journals including: *Apoptosis*, *Biochimica et Biophysica Acta – Molecular Cell Research*, *Biology of Reproduction (editorial board)*, *Endocrinology*, *Genetics*, *Immunology*, *Andrology (editorial board)*, *Journal of Cytology & Histology*, *PLoS ONE*, *Reproduction*, *Steroids*, and *Urology*; science education journals, and regional and national grant review panels.

He was a co-author of *BiologyLabs On-Line*, a series of Internet based interactive laboratories for undergraduate students produced by Benjamin Cummings Publishing Company. He authored the student and faculty manuals that accompany these labs, which have been used by over 300 colleges and universities internationally. Dr. Palladino was a frequent workshop presenter in the Benjamin Cummings *Strategies for Success in Science Education* series. He has presented more than 70 workshops for teachers on DNA techniques, biotechnology, genomics, and integration of instructional technology in the classroom at meetings across the country, and he was a participant in the NABT/NSF project *High Quality Biotechnology on a Shoestring Budget* that developed low-cost laboratory exercise for high school students.

Dr. Palladino authored *Understanding the Human Genome Project* the first booklet in the [Benjamin Cummings Special Topics in Biology Series](#) of six booklets designed to help undergraduate students learn about current topics in biology. He serves as Series Editor for the *Special Topics* booklets. Dr. Palladino is the co-author of *Introduction to Biotechnology* an undergraduate textbook that is currently used at over 100 institutions throughout the United States and Canada as well as the United Kingdom, Australia, Germany, India, New Zealand, Pakistan, Singapore, and China. Now in its third edition, *Introduction to Biotechnology* has been translated in Chinese, German, Korean, Spanish and Taiwanese and is the leading textbook worldwide in undergraduate biotechnology education. Collectively these publications have helped educate over 500,000 students worldwide. Dr. Palladino is part of the co-authorship team of W.S. Klug, M.R. Cummings, C.A. Spencer, and M. A. Palladino for two leading textbooks in genetics, [Concepts of Genetics](#), 10e, and [Essentials of Genetics](#), 7e.

Dr. Palladino lives in Howell, NJ with his wife, Cindy, daughters Elizabeth (19 yrs) and Lauren (17 yrs), and son Michael (13 yrs).