

CURRICULUM VITAE

Phillip D. Palmer

PRESENT ADDRESS

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EDUCATION:

Meharry Medical College: PhD. in Biomedical Science, 2006

Dissertation: A Role for Protease-Activated Receptors in Nitric Oxide Production in Bovine Aortic Endothelial Cells

Auburn University: M.S. in Nutrition-Food Science, 2000

Thesis: What Effect Will A Low Literacy Folic Acid Education Program Have Upon Women of Childbearing Age in Mobile, Alabama

Auburn University: B.S. in Zoology, 1998

PROFESSIONAL EXPERIENCE

DUQUESNE UNIVERSITY, BAYER SCHOOL OF NATURAL AND ENVIRONMENTAL SCIENCES, Pittsburgh, PA (September 2015 to Present), Assistant Dean and Adjunct Professor.

- Assistant academic and administrative officer for the Bayer School, which houses the Department of Physics, Biology, and Chemistry and Biochemistry; programs in Environmental Science, Forensic Science and Law, and Biotechnology; as well as the Cyril H. Wecht Institute of Forensic Science and Law.

Enrollment

- Possess a proven record of assisting in increasing student enrollment.
- Exceeded the enrollment target for fall 2018 freshman class by 15%.
- Increased freshmen enrollment between 2015 and 2018, by 27%.

Community Engagement Learning

- Continuously work to increase experiential and community engaged learning opportunities within the Bayer School by increasing our community partners annually.
- Partner with the Center for Engaged Teaching and Research for additional resources and guidance as it relates best practices in community engagement.
- Work with the Office of Career Development on campus to assist in identifying other experiential learning opportunities for our Bayer School students in the areas of internships and undergraduate research.

Undergraduate Research

- Assist in recruitment and execution of the summer undergraduate research program (URP).
- Year 2019 program was the most successful in the program's history which include: 1) the most on campus 10-week participants ever at 101, 2) 152 presenters at the symposium that closes the program, 3) 49 colleges and universities represented at the symposium, and 432 different authors for the oral presentations and posters presented at the symposium.

College in High School Program

- Coordinate and lead the efforts for the Bayer School regarding Duquesne University's College in High School Program.

- Partner with a number of area high schools in conjunction with the Registrar's Office to offer students college-level learning experience and earn college credit before they leave high school.

Diversity, Equity, and Inclusion

- Lead the diversity, equity and inclusion efforts within the Bayer School as we partner with the Duquesne University Office of Diversity and Inclusion, and the Duquesne Department of Human Resources Management, to enhance student, faculty, and staff diversity, and embrace all perspectives.
- Spearhead our marquee diversity program for undergraduate students is the Bayer School Scholars Program, which is a scholarship program that I direct for incoming freshman who are from under-represented populations in the sciences. Some of the benefits of the program include a full, four-year tuition scholarship, and flexible, paid, summer experiential learning opportunities, including participation in the summer undergraduate research program at Duquesne, internships at the Citizens Science Lab, other local universities, and/or local industry and academic/professional development.
- Assist in supporting our diverse student population through the creation of student groups within the Bayer School which include the multicultural stem group (MSG) and the Duquesne University Chapter of the Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS).
- Established and lead a peer mentoring program to assist with our retention efforts.
- Partner with our Office of Human Resources to consistently seek out faculty and staff from a variety of background, cultures, and ethnic minority groups to increase the diversity of both faculty and staff in the Bayer School. Because of our Catholic tradition, we maintain an ecumenical atmosphere embracing diversity and inclusion.
- Serve on the President's Advisory Council for Diversity and Inclusion for Duquesne University as well as Chair the Diversity Scholarship Committee for the Bayer School.
- Serve as chair for the newly created Diversity, Equity, and Inclusion Committee in the Bayer School.

Community Engagement and Outreach

- Coordinates the community engagement and outreach efforts for the Bayer School as we partner with various non-profit organizations in the local Pittsburgh community to address various social, environmental, medical, and public health concerns that affect the region.
- Work in collaboration with the Center for Engaged Teaching and Research on best practices toward community engagement and service learning opportunities for both faculty and students.

Student & Career Development

- Committed to the academic and career development of our students within the Bayer School.
- As a liaison to the Duquesne University Office of Career Development and member of the advisory board, where I assist in creating programs that will be beneficial and useful to our student populations. In the last few years, we have increased specialized programming directed for the benefit of our STEM students. Some of those programs include webinars, seminars, marketing of new platforms for job and intern seekers, as well as more STEM specific recruitment of companies for our annual career fair.
- Work with other entities on campus such as the Center for Teaching Excellence and the Center for Engaged Teaching and Research. Both of these entities help us to provide additional resources for students interested in teaching and community engagement activities.

Teaching

- Teach a required community engagement course entitled "Science in Service of Society" to undergraduate Bayer School students. The main objective of this course is to have our science students engaged in ongoing service and/or community engagement through partnerships with community agencies in our Pittsburgh area that are addressing issues that are specific to our local community.

Alumni Relations

- Committed to creating opportunities for alumni to foster lifelong engagement, affinity, and pride within the Duquesne community furthering the mission of the University. As a liaison to the Office of Alumni Engagement and a member of their campus advisory board, where I am directly involved with initiatives

that are geared specifically towards increasing Bayer School alumni participation and creating new and innovative program that increase school spirit.

Marketing Communications

- Committed to effective communication at the Bayer School with our constituents. As a liaison to the Duquesne University Office of Marketing and Communications, where I am involved in various messaging to the surrounding community, region, and the state, regarding new initiatives that attract to Duquesne University as a whole and the Bayer School of Natural & Environmental Sciences in particular.

Leadership and Professional Development

- Participate in professional development opportunities while at Duquesne University.
- Completed the Power of Professional Development Leadership Program, a program offered by the Office of Human Resources.
- Serve on a number of University committees including: Faculty Conduct Committee, Center for Career Development Campus Advisory Board, President's Advisory Council for Diversity and Inclusion, and the PURE/NURE NINDS R25 Grant Advisory Council, NSF Grant "Diversifying Access to Urban Universities for Students in STEM Fields" within the Department of Biological Sciences at the University of Pittsburgh just to name a few.
- Serve as a board member at the Citizens Science Laboratory, and a present advisor for the Western Pennsylvania Diaper Bank.
- Serve as the principal investigator for two grants: 1) the STEM Camp designed for high school students supported by the Howmet Aerospace Foundation and 2), the PPG Fellowship which is designed to provide undergraduate STEM students within the Bayer school an opportunity to learn about community engaged learning within the context of STEM education supported by funds through the PPG Foundation.

UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PHARMACOLOGY AND CHEMICAL BIOLOGY, Pittsburgh, Pennsylvania (December 2009 to July 2014). Director, Education, Outreach, and Training (MIDAS Program).

Budget Management

- Managed project budget in excess of \$1.25 million for the education, outreach and training core of the Pittsburgh MIDAS Program.

Undergraduate Research

- Created and directed a summer undergraduate research program that was launched during the summer of 2010 with an emphasis on creating an interdisciplinary experience for STEM undergraduate majors to work in the realm of public health. Each year, applications for the summer opportunity increased significantly with diverse representation as it relates to gender, ethnicity, and geographic location.

National Pilot Research Program

- Created and directed a national pilot research grant program for young faculty and postdoctoral fellows interested in the modeling and simulation of infectious disease dynamics.

Program Development and Community Engaged Learning

- Assisted in the development of programming relating to the modeling and simulation of infectious disease dynamics in the form of seminars, meetings, and conferences for the academic and research community. Some of the programming developed was specifically designed for the University of Pittsburgh's MIDAS Center of Excellence while others were in conjunction with the NIGMS and the Harvard Center for Communicable Disease Dynamics. Additionally, I developed programming specifically for K-12, undergraduate, graduate, postdoctoral trainees and junior faculty.

Marketing Communication

- Worked with the Office of Marketing Communications at the University of Pittsburgh to develop marketing materials and branding options for the newly created MIDAS Program and its subsequent programming.

Student & Career Development

- Created and implemented academic career development seminars for our research fellows within our summer undergraduate research program.

Diversity, Equity, Inclusion

- Worked in collaboration with the Pitt School of Public Health to promote and increase diversity within the ranks of its student and advanced trainee populations at various conferences and diversity related organizations including SACNAS, Annual Biomedical Research Conference for Minority Students (ABRCMS), and the American Public Health Association (APHA).

Leadership and Professional Development

- Participated in professional development opportunities while at the University of Pittsburgh.
- Completed the certificate in organizational leadership and ethics through the Katz School of Business.
- Completed diversity awareness training through the Office of Human Resources as well as a scientific management and leadership training course through the School of Medicine.
- Completed ombudsman training via the Allegheny County Area Agency on Aging.
- Served also on a number of committees both internal and external to the University.

OTHER POSITIONS

- 2007 Licensing Associate, Office of Research & Development, Technology Transfer Office, University of Maryland Baltimore, Baltimore, MD
- 2006 – 2007 Scientific Marketing Intern, Life Science Alliances LLC, Donald Danforth Plant Science Center, St. Louis, MO
- 2001 – 2006 Graduate Research Assistant, Department of Pharmacology and Neuroscience, Meharry Medical College, Nashville, TN
- 1999 – 2001 Graduate Research Assistant, Department of Nutrition & Food Science, Alabama Cooperative Extension System, Auburn University, Auburn, AL

MENTORSHIP

- 2019 – Present Advisor, SACNAS Chapter at Duquesne University
Established the Society for the Advancement of Chicanos and Native Americans in Science Chapter (SACNAS) at Duquesne University
- 2016 – Present Advisor, BSNEB BAGS Group
Established the Bayer School of Natural & Environmental Science Association of Graduate Students (BAGS) group
- 2016 – Present Advisor, Multicultural STEM Group (MSG)
Established the Bayer School of Natural & Environmental Science Multicultural STEM Group (MSG)

- 2017 – Present Advisor, Peer Mentoring Program
Established the Bayer School of Natural & Environmental Science Peer Mentoring Program
- 2015 – Present Advisor, Bayer School Scholars Program, Duquesne University
- February 2014 Mentor, “WE PROMISE” Summit,
Pittsburgh Public Schools Initiative Designed to Increase African-American Males Participation in Higher Education, Pittsburgh, PA
 - Served as a mentor for one of the break-out sessions
- 2012 – 2014 RISE Program Mentor
University of Pittsburgh, **R**eaching **I**nside your **S**oul program for **E**xcellence Mentor Program, Office of Student Affairs, Pittsburgh, PA
 - Served as a mentor for various undergraduate students at the University of Pittsburgh
- 2010 – 2014 Mentor
University of Pittsburgh School of Medicine, Office of the Associate Vice Chancellor for Science Education Outreach, Models of Infectious Disease Agent Study National Center of Excellence, Pittsburgh, PA
 - Served as a mentor for various undergraduate and graduate students and postdoctoral fellows at the University of Pittsburgh
 - Served as a mentor for undergraduate students in the MIDAS Summer Research Program
- 2010 – 2014 Mentor
University of Pittsburgh Intramural Research Training Award (UPIRTA), Office of Health Sciences Diversity, Post-Baccalaureate Research Program for Minority Student
 - Served as a mentor for various post-baccalaureate students at the University of Pittsburgh via the UPIRTA Program
- 2008 – 2009 Mentor/Tutor
Mt. Ararat Baptist Church/Western Pennsylvania Mentoring Partnership, Pittsburgh, PA
 - Served as a mentor for a high school student within Mt. Ararat’s Mentoring Program
- 2007 – 2008 Mentor/Tutor
Mathews – Dickey YMCA, St. Louis, MO
 - Served as a mentor for high school students within the Mathews-Dickey YMCA Mentoring Program

PRESENTATIONS

- Invited Speaker 2022 “Overcoming Imposture Syndrome” Workshop, Biology Department Circle Program, Duquesne University, Pittsburgh, PA
- Invited Speaker 2021 “Professional Networking” Workshop, Biology Department Circle Program, Duquesne University, Pittsburgh, PA
- Invited Speaker 2021 “Overcoming Imposture Syndrome” Workshop, Biology Department Circle Program, Duquesne University, Pittsburgh, PA

- Invited Speaker 2019 “Planning for the Future” Workshop, Biology Department Circle Program, Duquesne University, Pittsburgh, PA
- Invited Speaker 2018 “Commencement Speaker”, Sister Thea Bowman Catholic Academy, Pittsburgh, PA
- Moderator 2017 “Alternative Careers in Chemistry & Chemical Engineering” Workshop, 2017 Northeast/Midwest NOBCCChE Regional Meeting, University of Pittsburgh, Pittsburgh, PA,
- Facilitator 2017 “Entering Mentoring” Workshop, Duquesne University, Pittsburgh, PA
- Panelist 2017 “Career Opportunities in Academia” Workshop, Office of Academic Career Development, University of Pittsburgh, Pittsburgh, PA,
- Moderator 2016 Undergraduate Research Ethics Forum, Duquesne University, Pittsburgh, PA
- Moderator 2016 Sizemore Youth Conference, Duquesne University, Pittsburgh, PA
- Moderator 2014 Undergraduate Research Ethics Forum, Duquesne University, Pittsburgh, PA
- Moderator 2014 “Innovative Uses of Big Data in Infectious Disease Modeling”, MIDAS National Meeting, Atlanta, GA,
- Moderator 2013 Undergraduate Research Ethics Forum, Duquesne University, Pittsburgh, PA
- Poster 2012 “Using Public Health Data to Enable Innovative Student Research Through Competition: The MIDAS Undergraduate Data Palooza at the University of Pittsburgh”, MIDAS National Meeting, Arlington, VA,
- Moderator 2012 “Computational and Mathematical Models: Leading the Fight against Infectious Disease”, Society for the Advancement of Chicanos and Native Americans in Science, Seattle, WA
- Moderator 2012 Undergraduate Research Ethics Forum, Duquesne University, Pittsburgh, PA
- Moderator 2011 Undergraduate Research Ethics Forum, University of Pittsburgh Office of Experiential Learning, Pittsburgh, PA
- Invited Speaker 2010 “4th Annual Graduate School of Public Health Career Day”, University of Pittsburgh, Pittsburgh, PA
- Poster 2006 “A Role for PAR-1 in the Phosphorylation of eNOS Serine 635”, Experimental Biology, San Francisco, CA,
- Poster 2005 “A Role for Protease Activated Receptors in Nitric Oxide Production”, Experimental Biology, San Diego, CA,
- Poster 2004 “Thrombin Regulates Phosphorylation and Activation of Endothelial Nitric Oxide

Synthesis through Protein Kinase C-delta”, Experimental Biology, San Diego, CA,

- Poster 2001 “Folate Education: Implications for Coronary Heart Disease, Part 2”, International Society for Hypertension in Blacks, Las Vegas, NV
- Poster 2000 “Folate Education: Implications for Coronary Heart Disease”, International Society for Hypertension in Blacks, Las Croabas, PR
- Poster 1999 International Food and Nutrition Conference, A Nutrition Curriculum: Folate Education, Tuskegee University, Tuskegee, AL

COMMITTEE MEMBERSHIPS

- 2022 – Present Member, Forensic Science Assistant Director - Teaching Assistant Professor Search Committee, Bayer School of Natural & Environmental Sciences Duquesne University
- 2022 – Present Member, Dukes from the Last Decade Review Committee, Duquesne University
- 2022 – Present Chair, Student Retention Committee, Bayer School of Natural & Environmental Sciences, Duquesne University
- 2021 – Present Faculty Sponsor, External Internship for Credit, Bayer School of Natural & Environmental Sciences, Duquesne University
- 2021 Assistant Director Search Committee Member, Forensic Science and Law Program, Bayer School of Natural & Environmental Sciences
- 2021 – 2022 Participant, Structural Racism Workshop, Duquesne University
- 2021 – Present Chair, Student Advisory Council, Bayer School of Natural & Environmental Sciences
- 2021 – Present Member, National Fellowship Advisory Committee, Duquesne University
- 2021 – Present Member, Graduate Council, Duquesne University
- 2021 – Present Chair, Diversity, Equity, and Inclusion Committee, Bayer School of Natural & Environmental Sciences, Duquesne University
- 2021 – Present Member, John G. Rangos Sr. Pitch Prize Review Committee, Duquesne University
- 2020 – Present Member, Student Retention Committee, Duquesne University
- 2018 – Present Advisory Council Member, NSF Grant “Interdisciplinary Biological Sciences Research and Community Engagement Learning Experiences for Undergraduates”, Duquesne University
- 2018 – Present Advisor, Western Pennsylvania Diaper Bank
- 2018 – Present Board Member, Citizens Science Laboratory

- 2018 – Present Faculty Conduct Committee Member, Bayer School of Natural & Environmental Sciences
- 2018 Communications Specialist Search Committee Member, Dean’s Office, Bayer School of Natural & Environmental Sciences
- 2018 – Present Center for Career Development Campus Advisory Board Member, Duquesne University
- 2018 – Present President’s Advisory Council for Diversity and Inclusion Member, Duquesne University
- 2018 – Present PURE/NURE NINDS R25 Grant Advisory Council Member, Duquesne University
- 2017 – Present NSF Grant “Diversifying Access to Urban Universities for Students in STEM Fields”, Advisory Board Member, Department of Biological Sciences, University of Pittsburgh
- 2017 4th Annual PLU Symposium Graduate Research Reviewer, Duquesne University
- 2016 – 2018 Vice President, Sister Thea Bowman Catholic Academy School Advisory Council
- 2016 – 2017 Cyril E. Wecht Institute Pioneers in Forensics Science Conference Planning Committee Member, Duquesne University
- 2016 – 2019 Faculty Leadership Advisory Council Committee Member, Duquesne University
- 2016 – 2017 Center for Community Engaged Teaching & Research Planning Committee Member, Duquesne University
- 2016 ABRCMS Scientific Abstract Committee Reviewer
- 2016 Tri Beta National Convention Undergraduate Research Poster Committee Reviewer
- 2016 – 2018 Richard Tapia Celebration of Diversity Conference Scholarship Committee Reviewer
- 2015 – Present Chair, Diversity Scholarship Committee, Duquesne University Bayer School
- 2015 – Present Bayer School Faculty Awards Committee Reviewer, Duquesne University
- 2015 Graduate Research Day Review Committee Reviewer, Duquesne University
- 2014 – 2018 Vice President of Board, Western Pennsylvania Diaper Bank
- 2014 Chair, MIDAS National Meeting Outreach Symposium Committee
- 2014 Richard Tapia Celebration of Diversity Conference Scholarship Committee Reviewer
- 2013 SACNAS National Conference Travel Scholarship Committee Reviewer
- 2013 SACNAS National Conference Scientific Abstract Committee Reviewer

- 2013 Pittsburgh Science & Technology Academy – Biotechnology Occupational Advisory Committee Member, Pittsburgh City School System, Pittsburgh, PA
- 2012 Pittsburgh Science & Technology Academy – Biotechnology Occupational Advisory Committee Member, Pittsburgh City School System, Pittsburgh, PA
- 2012 Chair, Dynamics of Preparedness Conference – Planning Committee, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2012 Chair, Epistemology Think Tank Workshop – Planning Committee, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2011 Chair, Epistemology of Modeling and Simulation National Conference – Planning Committee, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2010 – 2012 Chair, Public Health Dynamics Research Seminar Series Planning Committee, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2010 Systems Thinking in Public Health Workshop – Planning Committee Member, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2010 – 2013 Director, MIDAS Summer Research Program – Selection Committee, University of Pittsburgh MIDAS National Center of Excellence, Pittsburgh, PA
- 2010 – 2014 Coordinator, University of Pittsburgh Health Career Scholars Academy, Public Health Course Committee, University of Pittsburgh, Pittsburgh, PA
- 2010 – 2014 University of Pittsburgh Health Career Scholars Academy – Selection Committee Member, University of Pittsburgh, Pittsburgh, PA

COMPETITIVE AWARDS/HONORS

- 2021 - Present Principal Investigator, K-12 Science Education Enrichment Program Grant, Howmet Aerospace Foundation, Duquesne University, December 2020. \$20,000.00
- 2021 - Present Principal Investigator, Science and Community Engagement Grant, PPG Foundation, Duquesne University, September 2019. \$15,000.00
- 2019 Principal Investigator, The Lead in Our Water Symposium, Research America, Duquesne University, BAGS Organization, December 2019. \$1900.00
- 2019 Institution Principal Investigator, National Science Foundation, Graduate Research Fellowship Program, Duquesne University, Pittsburgh, PA
- 2012 Society for the Advancement of Chicanos and Native Americans in Science Scientific Symposium Proposal entitled “Computational and Mathematical Models: Leading the Fight against Infectious Disease” accepted (SACNAS National Conference 2012)
- 2006 American Physiological Society Travel Fellowship Awardee (Experimental Biology 2006)

- 2005 Minority and Indigenous Fellow (Biotechnology Industry Organization 2005)
- 2005 American Physiological Society Travel Fellowship Awardee (Experimental Biology 2005)
- 2004 The Pharmacology Award (Department of Pharmacology 2005)
- 2004 American Physiological Society Travel Fellowship Awardee (Integrative Biology 2004)
- 2003 Minority Access to Research Centers Program Travel Awardee (Experimental Biology 2003)
- 2001 Southern Regional Education Board Scholar
- 1999 Outstanding Minority Graduate Student, Auburn University

PUBLICATIONS

- Contributing Author – Inaugural MIDAS Education & Outreach Newsletter
University of Pittsburgh’s MIDAS National Center of Excellence (2010 – 2014).
- Contributing Author – Inaugural Maryland Technology Transfer Offices Partnership Newsletter
University of Maryland Baltimore (2007).
- Motley, E.D., Eguchi, K., Patterson, M.M., **Palmer, P.D.**, Suzuki, H., and Eguchi, S. Thrombin
Regulates Phosphorylation and Activation of Endothelial Nitric Oxide Synthase through Protein Kinase
C-delta. *Hypertension* 2007; 49:577.
- Patterson, M.M., **Palmer, P.D.**, Inagami, T., Eguchi S., and E.D. Motley. Role of Protease-Activated
Receptor-4 in Vascular Smooth Muscle Cell Migration (*Submitted*).
- **Palmer, P.D.**, Patterson, M.M., Maleque M.A., and E.D. Motley. A Role for PAR-1 in the
Phosphorylation of eNOS Serine 635 (*Submitted*).
- Crayton, E.F., Weese, J.O., and **Palmer, P.D.** Folate Education: Implications for Coronary Heart
Disease, Part 2. *Ethnicity & Disease* (Spring/Summer 2001 Supplement).
- **Palmer, P.D.**, Weese, J.O., and Crayton, E.F. Folate Education: Implications for Coronary Heart
Disease. *Ethnicity & Disease* (Spring/Summer 2000 Supplement).
- **Palmer, P.D.**, and Crayton, E.F. Folate Education: A Broad Scope for Neural Tube Birth Defects.
(Alabama EPScOR Meeting, 1999).

PROFESSIONAL MEMBERSHIP

American Chemical Society (ACS) – (2017 – 2020)

Association for Graduate Enrollment Management (NAGAP) – (2015 – 2020)

Pennsylvania Association for Graduate Enrollment Management (PAGAP) – (2015 – 2020)

Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) – (2006, 2013 – 2015, 2018 – Present)

American Physiological Society (APS) – (2003 – 2006), (2010 – 2014)

Southeastern Pharmacology Society (SEPS) – (2002 – 2006)

International Society for Hypertension in Blacks (ISHIB) – (2000 – 2001)

American Dietetics Association (ADA) – (1999 – 2000)