

PAMELA J. GUNTER-SMITH
Drew University, Madison, NJ 07940

EDUCATION AND TRAINING

BS 1973, Biology, Spelman College, Atlanta, GA

PhD 1978, Physiology, Emory University, Atlanta, GA

Postdoctoral Research Fellow 1978 - 1979, University of Pittsburgh, School of Medicine, Pittsburgh, PA

Postdoctoral Research Fellow 1979 - 1982, University of TX, Medical School at Houston, Houston, TX

PROFESSIONAL EXPERIENCE

DREW UNIVERSITY, MADISON, NJ

Provost and Academic Vice President

2006-present

Responsible for academic programs in and academic support for the university's three schools. Reporting to the provost are the academic deans of the College of Liberal Arts, the Theological School and the Caspersen School of Graduate Studies, the dean of the libraries, the dean of campus life and student affairs, the assistant vice president for technology, the director of institutional research, the registrar, the director of the Center for Career Development, and the directors of the university centers.

Accomplishments and current initiatives

- Faculty - Developed and implemented a National Faculty Initiative to recruit distinguished visiting and underrepresented minority faculty; facilitated the development of new university-wide tenure and promotion guidelines by the appropriate faculty governance committees; re-invigorated the University Faculty and Senate; interviewed and recommended all new tenure-track faculty hires.
- Curricula and Programs- Developed plan for and led review of graduate PhD programs; approved new programs across the schools and ensured their fiscal viability
- Planning and Budget – With the vice president for finance, developed the university budget for president and board approval; successfully reduced expenses and reallocated resources while maintaining academic quality and student services; facilitated the development of strategic action plans by cabinet to increase enrollment and provide new sources of revenue; created process for university-wide strategic planning and presently facilitating its development; provided oversight for Drew's Middle States self-study; serving as a core team member for current organizational review
- The Sciences - Facilitated the development of a new vision statement for the sciences and programming for a new science facility by science faculty; guided the development of concept and schematic design for the science facility and documentation leading to board approval for project; led the development of the first successful proposal to the Howard Hughes Medical Institute for \$1.1M; developed partnerships with Wyeth Pharmaceuticals providing funding for student internships, lecture series and symposia; developing case statement for new science building for capital campaign; cultivating donors
- Enrollment Management – Developed financial aid strategy with colleagues that resulted in a 25% increase in undergraduate enrollment at discount rate below target; led the development of a successful strategic plan for improving first-year retention
- Board Relations – Serve, at the invitation of the trustees, on all but two standing board committees with primary responsibility for the academic affairs committee; working with the president and vice president for advancement in setting the agenda and structure for upcoming board retreat on strategic directions
- Building Leadership Teams- Participated in hiring of and contract negotiations for six senior cabinet members in the past four years including: the vice presidents for finance, enrollment management, and advancement, and the deans of the College of Liberal Arts, the Theological School, and Campus Life and Student Affairs

UNIVERSITY OF MIAMI, MIAMI, FL

American Council on Education Fellow

2003 - 2004

Professional development program in higher education administration, mentor: Dr. Donna E. Shalala, President, University of Miami

- Worked with various administrative units with a special emphasis on Business and Finance, University Advancement and the College of Arts and Sciences
- Conducted a study of learning environments that promote the development of students' leadership skills and potential with a focus on women of color

SPELMAN COLLEGE, ATLANTA, GA

Porter Professor of Physiology, Department of Biology

1992 - 2006

Endowed Chair supported by the William Townsend Porter Foundation

Accomplishments

- Introduced innovative pedagogy into 1st year course for majors and upper-level physiology course
- Trained over 18 undergraduates in research with 8 former trainees attending medical / health professional schools, 5 graduate school and 1 MD/PhD
- Supervised postdoctoral fellow (Scholar-Teacher), Dr. L. Hammonds-Odie, 1998-2002
- Served as teaching mentor for FIRST postdoctoral fellows, Dr. V. Haftel, 1999-2002; Dr. D. Crater, 2001-2002

Associate Provost for Science and Mathematics

2002 - 2003

Provided overall administrative oversight for curricula, programs, faculty, staff, space and grants residing in five science departments and eight academic majors; supervised science department chairs and program directors including the Health Careers Office, the Office of Science, Engineering and Technical Careers, Office of Educational Technology, and Dual Degree and Engineering; served on the Provost's Council composed of the provost, the associate provost for science and mathematics, the associate provost for liberal arts and education, and the academic dean

Accomplishments

- Developed "white paper" on formation of centers, programs and institutes
- Developed position descriptions and initiated searches for the director of science research infrastructure and the library liaison
- Facilitated the development of multidisciplinary grants and programs across the natural and social sciences
- Initiated a review of the core curriculum requirement in the natural sciences
- Created the Science Staff Council and the Building Committee to foster community building and address issues affecting Spelman College science faculty and staff

Chair of Biology

1992 - 2002

Provided overall leadership of an academic department of twelve faculty, three staff members, approximately 325 majors and an annual college operating budget of \$850,000

Accomplishments

- Programmed, designed and occupied departmental space in the new Science Center
- Developed solicitation concept papers for several corporations (e.g., Amgen, Merck) and foundations resulting in funding for a new science center and science programs
- Represented the College at Corporate Partners' meetings and made visits to corporate headquarters on behalf of Institutional Advancement
- Increased the number of tenure-track faculty lines
- Increased on-campus faculty and student research and faculty extramural research funding.
- Substantially revised the introductory course increasing student retention in the major
- Increased the number of graduates in the major and the number of graduates accepted to and completing graduate and professional schools

- Led the department in strategic planning, self-study and SACS /NCATE accreditations

Program Director, Center for Biomedical and Behavioral Research, Research Infrastructure for Minority Institutions (RIMI) 2002 - 2003

Provided overall vision for and implementation of a five-year \$5M grant from the NIH to support research and junior faculty research development

Accomplishments

- Developed processes and policies for Junior Faculty Development Awards, Junior Faculty Start-up Awards and Seed Grants
- Developed and implemented a new Junior Faculty Mentoring Program.
- Hired and supervised program staff
- Created and launched a “Central Store”
- Held first vendor “fair” for the Spelman research faculty, staff and students

Program Director, Howard Hughes Medical Institute Biomedical Program 1993 - 2003

Provided overall vision for and development and implementation of grants from the Howard Hughes Medical Institute in support of faculty, student and curriculum development and pre-college outreach Programs; invited presenter at four consecutive biannual Program Directors' meetings; awarded \$2.7M in three grants over twelve years supporting:

- High school student summer enrichment programs
- High school teacher enrichment workshops
- Faculty and student summer research fellowships
- Infusion of technology into the curriculum
- Development of new courses and laboratory equipment and computer acquisition

ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE, NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MD

Project Manager, Gastrointestinal Physiology Physiology Department 1988 - 1992

Provided programmatic, administrative and budgetary oversight for three independent laboratories headed by principal investigators conducting research on mechanisms underlying gastrointestinal dysfunction; responsible for allocation of project resources, which exceeded \$1.0 M annually

Research Physiologist, Physiology Department 1981 - 1992

Developed and implemented independent research program to assess and mitigate the effects of radiation on intestinal physiology; selected to serve as the US representative to NATO working group on radiation-induced gastrointestinal injury; awarded Director's Award for Distinguished Service

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SCHOOL, WASHINGTON, DC

Associate Professorial Lecturer in Physiology 1986- 1992

Assistant Professorial Lecturer in Physiology 1982- 1986

With faculty colleagues, developed and taught a graduate level course, Membrane Biophysics, for more than four years; served as a member of a graduate dissertation committee

Uniformed Services University of the Health Sciences, Bethesda, MD

Adjunct Assistant Professor of Physiology 1982- 1993

Taught in the medical physiology course; with faculty colleagues, developed and taught a graduate level course in cell physiology

GRANTS AWARDED

- NIH MBRS/SCORE, *Regulation of Ion Transport by Guinea Pig Gallbladder Epithelial Cells*, P. J. Gunter-Smith, PhD Principal Investigator, Funding term: February 2000 through January 2004, Total Award: \$644,487
- Howard Hughes Medical Institute Undergraduate Program in the Biological Sciences, *Meeting the Challenges of the New Millennium*, P. J. Gunter-Smith, PhD Program Director, Funding term: August 2000-August 2004, Total Award: \$1,000,000
- NIH/MBRS Research Grant: *Ion Transport by Mammalian Gallbladder*, P. J. Gunter-Smith, PhD Principal Investigator, Funding term: September 1995 - August 1998, Total Award: \$417,520
- VA/HBCU Collaborative Research Grant: *Mesangial Cell Ion Channels: Role in Diabetic Nephropathy*, P. J. Gunter-Smith, PhD Co-Principal Investigator, Funding term: February 1997-1999, Total Award: \$54,000
- Howard Hughes Medical Institute Undergraduate Program in the Biological Sciences, *Fueling the Pipeline for the New Millennium*, P. J. Gunter-Smith, PhD Program Director, Funding term: August 1996-August 2000, Total Award: \$800,000
- VA/DOD Research Grant: *Radiation Protection by Prostaglandins: Mechanisms and Applications*, P. J. Gunter-Smith, PhD Co-Principal Investigator, Funding term: April 1992 - March 1994, Total Award: \$738,300

SELECTED HONORS AND AWARDS

- 2005 Spelman College Alumnae Achievement Award in Health and Science
- 21st Daniel T. Rolfe Scholars Memorial Heritage Lecturer, Meharry Medical College, 2003. Bush-Hewlett Administration Leadership Scholarship to attend HERS Summer Institute for Women in Higher Education Administration, June – July 2001
- 2001 Spelman Presidential Faculty Award for Scholarly Achievement
- Phi Beta Kappa, Epsilon of Georgia Chapter, Spelman College, Foundation Member 1998, Chapter President 2002-2004
- Director's Award for Distinguish Service, Armed Forces Radiobiology Research Institute, 1992
- National Research Service Award Postdoctoral Fellowship, NIH, 1978-1981

OTHER PROFESSIONAL ACTIVITIES

SCIENCE RELATED

- NSF Research Coordination Network for Undergraduate Biology Education, 2009
- University of Miami Initiative for Maximizing Student Diversity Advisory Committee, 2007 -present
- The Center for Allaying Health Disparities through Research and Education (CADRE) Project Advisory Committee (Chair), Central State University (OH), 2008-present
- AP Biology Redesign Commission, The College Board (NY), 2006-2007
- Peer review panels: Review Subcommittee B, National Institutes of Health, Bethesda MD, 2004-present; Howard Hughes Medical Institute Undergraduate Programs and University Outreach Review Panels, 2003, 2004, 2010; MBRS/SCORE Peer Review Study Section, National Institutes of Health, 2000-2003; International and Cooperative Projects, Peer Review Study Section, National Institutes of Health, Bethesda MD, 1995-1999; Academic Research Infrastructure Facilities Program Committee of Visitors, National Science Foundation, 1995; Cell Transport and Metabolism Research Study Committee (Co-Chair), American Heart Association, Dallas, TX, 1992-1995; Physiology Study Section, National Institutes of Health, Bethesda, MD, 1987-1991
- Educational Testing Service, GRE Item Writer (Biology), 2000
- Physiology Step 1 Test Committee, National Board of Medical Examiners, Philadelphia, PA, 1992-1995
- FASEB Visiting Scientist for Minority Institutions, 1985-1993

PROFESSIONAL DEVELOPMENT PROGRAMS

As leader/panelist

- HERS Leadership development program for women in higher education, at Bryn Mawr College 2007, 2008, 2009, 2010; at Wellesley College 2008
- ACE Chairs' Workshop (2010, 2011), Rochester Institute of Technology, University of Wisconsin System
- Morehouse College (GA), Division of Science and Math, 2009
- ACE/NACUBO CAO/CFO Workshop, 2011

As participant

- ACE Institute for Chief Academic Officers, 2008- 2009
- ACE Fellow, University of Miami, 2003-2004
- HERS Summer Institute for Women in Higher Education Administration, 2001

OTHER

- Member Board of Directors, The William Townsend Porter Foundation, 2010-2013
- Member Board of Directors, Higher Education Resource Services (HERS), 2010-2013
- The American Physiological Society, Co-Chair – Porter Development Committee 1998-2005
- Member, Committee on Committees 1995-1999
- New England Association of Schools and Colleges, Boston University Re-accreditation site visit team, 2009

REPRESENTATIVE PUBLICATIONS AND ABSTRACTS

- Hammonds-Odie, L. Evans, K. Riggins, S. Chen, K. Wardlaw, **P. J. Gunter-Smith**, Characterization of Purinergic Receptor Modulation of Ion Transport in Cultured Guinea Pig Gallbladder Cells (abstr), *FASEB Journal* 17:A481, 2003.
- Leitch, Gordon, M. Scanlon, A. Shaw, G. Visvesvara and **P. J. Gunter-Smith**. Infection of Caco-2 cells with the microsporidia, *Encephalitozoon intestinalis*. Proceeding of the 10th International Congress on Parasitology, 2002.
- Hammonds-Odie, L., O. Abdulkadir, L. Evans, R. Irby and **P. J. Gunter-Smith**. Characterization of purinergic receptor subtypes in cultured gallbladder epithelial cells (abstr). *FASEB J.* 15: A841, 2001.
- **Gunter-Smith, P. J.**, L. Hammonds-Odie, O. Abdulkadir, M. Scanlon and R. Terrell. A primary culture of guinea pig gallbladder cells that is responsive to secretagogues. *Amer. J. Physiol. Gastrointest. Liver Physiol.* 279: G866-874, 2000.
- **Gunter-Smith, P. J.**, L. Hammonds-Odie, O. Abdulkadir and S. Chamblee. Release of Ca²⁺ from intracellular stores mediates guinea pig gallbladder epithelial cell response to ATP (abstr). *FASEB J.* 14: A596, 2000.
- Zhang, M., R. L Schleicher, A. S. Fink, **P. J. Gunter-Smith**, C. Savard, T. Nguyen and S. P. Lee. Growth and function of isolated canine pancreatic ductal cells. *Pancreas* 20: 67, 2000.
- Weiss, J. F., M. R. Landauer, J. B. Hogan, **P. J. Gunter-Smith**, K. A. Benson, R. Neta and W. R. Hanson. Modification of radiation-induced gastrointestinal and hematopoietic injury in mice by combinations of agents: Effects of indomethacin and caffeine. *Adv. Exp. Med. Biol.* 400B:865-872, 1997.
- Landauer, M. R., J. F. Weiss, **P. J. Gunter-Smith**, K. A. Benson, M.D. Blair, J. B. Hogan and W. R. Hanson. Behavioral and radioprotective effects of misoprostol in adrenalectomized mice. *Adv. Exp. Med. Biol.* 400B: 799-804, 1997.
- **Gunter-Smith, P. J.** The effect of radiation on intestinal electrolyte transport. In: *Radiation Effects on the Gastrointestinal Tract*, A. Dubois, G. King and D. Livengood, eds., CRC Press, Boca Raton, FL, 1995.
- Foskett, J. K., **P. J. Gunter-Smith**, J. E. Melvin and R. J. Turner. Physiological localization of an agonist-sensitive pool of Ca²⁺ in parotid acinar cells. *Proc. Natl. Acad. Sci.* 86: 167-171, 1989.
- **Gunter-Smith, P. J.** Gamma radiation affects active electrolyte transport by rabbit ileum: II. Correlation of alanine and theophylline response with morphology. *Radiat. Res.* 117:419-432, 1989.

- **Gunter-Smith, P. J.** Apical membrane potassium conductance in guinea pig gallbladder epithelial cells. *Amer. J. Physiol.* 255 (Cell Physiol. 24): C808-C815, 1988.
- **Gunter-Smith, P. J.** Gamma radiation affects electrolyte transport by rabbit ileum: Basal Na and Cl transport. *Amer. J. Physiol.* 250 (Gastrointest. Liver Physiol. 13): G540-G545, 1986.
- **Gunter-Smith, P. J.** The effect of ionizing radiation on gastrointestinal physiology. In: *Military Radiobiology*, J. J. Conklin and R. I. Walker, eds., Academic Press, New York, 1984, pp. 135-151.
- Grasset, E., **P. J. Gunter-Smith** and S. G. Schultz. Effects of Na-coupled alanine transport on intracellular K activities and the K conductance of the basolateral membrane. *J. Membrane Biol.* 71: 89-94, 1983.
- **Gunter-Smith, P. J.** and S. G. Schultz. Potassium transport and intracellular potassium activities in rabbit gallbladder. *J. Membrane Biol.* 65:41-48, 1982.
- **Gunter-Smith, P. J.**, E. Grasset and S. G. Schultz. Sodium-coupled amino acid and sugar transport by *Necturus* small intestine. An equivalent electrical circuit analysis of a rheogenic co-transport system. *J. Membrane Biol.* 66:25-39, 1982.

REPRESENTATIVE INVITED PRESENTATIONS

- “Coaching: A Professional Development Workshop,” Morehouse College, Atlanta, GA, March 2009
- “Development, Implementation, Sustainability, and Success: The Spelman College Story 1992-2002”, Howard Hughes Medical Institute for HBCUs and Tribal Colleges, Chevy Chase, MD, March 2007
- “Collaborations: Those That Work and Those That Don’t,” EARDA Workshop, Spelman College, Atlanta, GA, February 2005
- “Publish or Perish 101: Why, What, When, Where, How?” Spelman RIMI Workshop for Junior Faculty, Atlanta, GA, August 2005
- “Regulation of Transepithelial Ion Transport by Purinergic Receptor Activation,” Annual Biomedical Research Conference for Minority Students, Orlando, FL, November 2008
- “ATP Modulates Ion Transport in Cultured Gallbladder Epithelia via Ca²⁺-dependent Pathways”, The Twenty-First Daniel T. Rolfe Scholars Memorial Heritage Lecture, Meharry Medical College, Nashville, TN, October 2003
- “Transformations of a Transport Physiologist: from Mad Scientist to Nutty Professor?” American Society for Pharmacology and Experimental Therapeutics, Minority Research Symposium, Experimental Biology 2002, New Orleans, LA, April 22, 2002
- “A Win-Win Situation: The Advantages of Developing Partnerships in Expanding Undergraduate Research Opportunities”, Howard Hughes Medical Institute Undergraduate Education Program Directors’ Meeting, Chevy Chase, MD, October 2002
- “ATP Modulates Ion Transport by Cultured Guinea Pig Gallbladder Cells”, Department of Physiology and Biophysics, University of Alabama-Birmingham, Department of Physiology and Biophysics, Birmingham, AL, September 2001
- “Secretagogue Responsive Cell Culture of Guinea Pig Gallbladder Epithelial Cells: A New Model to Study Gastrointestinal Ion Transport”, The Biology of Aging, Gordon Conference, Ventura, CA, February 2000
- “To Whom Much is Given, Much is Expected”, SROP Banquet, University of Illinois-Chicago, Chicago, IL, July 2000
- “ATP Modulates Ion Transport by Cultured Guinea Pig Gallbladder Cell”, Department of Physiology and Biophysics, University of Illinois School of Medicine-Chicago, Chicago, IL, August 2000
- “Assessing the Undergraduate Research Experience” Howard Hughes Medical Institute Undergraduate Education Program Directors’ Meeting, Chevy Chase, MD, October 2000
- Research Experiences for Undergraduates’, Howard Hughes Medical Institute Undergraduate Education Program Directors’ Meeting, Chevy Chase, MD, October 1997
- “Scientist -Teacher Partnerships at Spelman College”, Physiology for Life Science Teachers and Students Symposium, Experimental Biology Meeting, Atlanta, GA, April 1995
- “Teaching Science by Doing Science”, Howard Hughes Medical Institute Undergraduate Education Program Directors’ Meeting, Chevy Chase, MD, October 1995

- "Potassium Efflux Pathways in Guinea Pig Gallbladder Cells", Dartmouth Medical School, Hanover, NH, March 1994
- "Careers for Physiologists at a Small Liberal Arts College and a Government Research Institute", Career Opportunities Symposium, Experimental Biology, New Orleans, LA, March 1993
- "Postradiation alterations in secretion and absorption", First International Symposium on Radiation and the Gastrointestinal Tract, Bethesda, MD, September 1993