

DANIELLE DESROCHES, PHD

Biology Department

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CURRICULUM VITA-2023

EDUCATION

- PhD, 1981; Endocrine Physiology- City University of NY
- Master of Philosophy, 1979 -CUNY
- Bachelor of Arts, 1974, Hunter College of NY

Field of Specialization:

Endocrine Physiology

Research Interest:

First-pass alcohol metabolism - Acute In-Utero alcohol and/or cocaine exposure in mice

PROFESSIONAL EXPERIENCE

- **Professor-** William Paterson University of NJ. September 1997-
- **Associate Professor-** WPC- September 1987-August 1997
- **Assistant Professor-** WPC-September 1981- August 1987
- **Instructor-** Hunter College of the City University of NY
- **Adjunct Lecturer-** Hunter College of CUNY, 1973-1976 CUNY- SEEK
- **Lab Technologist-** Pfizer laboratories; Brooklyn Plant, 1971-1975
- **EKG technician-** Wickersham Hospital, New York, NY 1970-1971

GRANTS RECEIVED

- WP Alumni Grant – WP 2019 for COSH Stem students research internships
- Increasing Student Success in Biology and Biotechnology (ISSBB)-NSF- 2011 -2015- Contributor, Head Mentor
- WPUNJ- 2009- contributor and academic coordinator- NSF - GS-LSAMP
- NSF grant- 2006, contributor- ISSBB
- WPUNJ- 2000- contributor and academic coordinator-
- NJAMPS. WPUNJ- 1998-2000
- PASS program: \$9,000 + faculty credits
- WPC- Incentive grant- 1996-1997 for student research: \$9,000.00
- WPC- Challenge Grant: 1987-1989
- WPC- Assigned release time (ART): 1984-1996,

HONORS AND AWARDS

- Donation in my name to Minority Education, from former student : Ruth Jean-Marie, MBA/PA, LCADC, CCS, December, 2021
Chief Administrator Officer, AVATAR
- Outstanding Community Leader Award , presented by EOF , May 2010
- Certificate of Appreciation- presented by Directors of Student Activities and Leadership, 2011-2012

- Certificate of Recognition by Office of Sponsored Programs 2011
- University Range Adjustment Award (UFRAC)- Spring 2007-
- Who's Who Among America's Teachers, 1996, 1997, 1998,2001
- High Achiever Circle, WPC-Office of Minority Education, 1994-
- Certificates of Appreciation -Pre-College Academy WPU-1987-1993
- Merit Award- WPC 1988
- Recognition Award- by Black Students Association (BSA)WPU, 1986
- Dean's list: NY City Community College, NY; Hunter College,NY
- Graduated summa cum laude, Hunter College

PROFESSIONAL ORGANIZATIONS

- Sigma Xi,
- AAAS,
- NY Academy of Sciences
- NJ Academy of Sciences
- Society for College Science Teachers
- New York Microscopical Society,
- Beta Beta Beta

COURSES TAUGHT AND CURRICULUM DEVELOPMENT

Undergraduate

- A & P (bio 1120, 1130, 1140, 1180, 1190
- General Biology(1630, 1640)
- Human Biology
- Freshman Seminar, Senior Seminar(480)
- Independent Study (4990)
- IMS CSH-4500 senior Seminar – revamped 2017-2022

Graduate

- Endocrinology
- Independent Study
- Master's Thesis
- Seminar
- Pathophysiology

Developed and taught:

Advanced A& P – 2022-

- Pre Nursing A& P I – from 2004 – 2022
- Introduction of Health and Sciences (EOF) 2019,,2021
- Summer Science -Math Bridge Program for Minority : Developed and Directed
- Aim High
- Explorations in Biomedical Careers

Updated and Edited for UCC

- Applied A & P
- Basic A& P 1

- General A & P 1

MENTORSHIP

- Minority students in Science and Non-Science majors at WPU (**Service:** MAPS,GS-LSAMP, SSMSS, ISSBB, EOF) over 200 students.
- Academic Mentoring Enrichment Nourishes Development 2009- current
- AMP students in research method 1995; 1996
- Research: 6 students: 1996-1997

SERVICE

Biology Department:

Committees:

- Independent Study (chair)
- Recruitment (chair),
- By-laws;
- Curriculum and Assignment;
- Pre-professional; secretary;
- Biopsychology Honors program;
- Graduate
- Social
- General Biology Review;
- Co-operative Advanced Biology Liaison;
- Ad Hoc Library Books;
- Department Brochure;
- Tutoring coordinator;;
- Technician review;
- Planning retreat
- Student committee (chair)

Anatomy and Physiology Courses

- **Coordinator:** for Bio 1120, 1130, 1180 , 1190, 3120,and Bio 399- Pre-Anatomy and Physiology
- **Training** and Monitoring adjuncts-
- **Mentoring** of New faculty
- **Author** of LABORATORY MANUALS FOR Bio 1120 and 1130 , Bio 3012 (Nursing)
- **Author** of Instructor's Version of Lab Manuals for Bio 1120, 1130, 3012
- **Author** of LABORATORY MANUALS for Bio 1180, 1190 (Kinesiology)
- **Author** of Instructor's version of Lab Supplements for Bio 1180, 1190
- **Author** of LABORATORY MANUAL for Pre-AP Summer course for EOF students,
- **Faculty Liaison** : with Kinesiology Department- Early Alert for A& P students.
- **Faculty Liaison** : with Science Enrichment Center- Anatomy and Physiology tutors and tutoring materials.

Science Majors: Collaborating with EOF, Education Enrichment Center (EEC) and CSH

- Support System for Minority Students in the Sciences (**SSMSS**) Creator, 1982-1994
- Alliance for Minority Participation in the Sciences- Academic coordinator (NSF) (**AMPS**) 1994-1997)
- Minority Association of Pre-Medical Students (**MAPS**)- 2000- present
- Biology Biotechnology Club (**BBC**) creator and co- advisor , 2011- present
- Pathways for Academic Success in the Sciences (NSF) - (**P.A.S.S.** Program Coordinator: Fall 1997-2009
- Galen Society now Future Health Care Professionals(FHP) - for pre-professional students- Faculty participant, 2005-present
- Increasing Student Success In Biology and Biotechnology (**ISSBB**)(NSF) Head mentor and Advisor of Scholars.(2005- 2015)
- Haitian American Student Association,(**HASA**)Club Faculty Advisor- 2014
- Garden State-Louis Stokes Alliance for Minority Participation(**GS-LSAMP**) - (NSF)- ACADEMIC COORDINATOR -FALL 2009 – SPRING 2022

GS-LSAMP-MAPS ACTIVITIES:

- Quarterly meetings with the Alliance a (Rutgers) (2020-2022)
- Quarterly reports submission (2020-2022)
- Monthly meetings
- Inviting Speakers
- Created Brochure on GS-LSAMP
- Created Brochure on **Student –Faculty Research Internships Opportunities**- (Biology, Chemistry, Environmental Sciences) 2005- present
- Created and edited First Annual Student Internships Publication called **Celebration Students Research Internships and Externships** with abstracts from students who did internships or externships, 2009 to 2022 editions
- Seeking potential mentors- Seeking funding for intern-Reviewing and placing applicants- Monitoring Summer Interns on and off campus- time sheets

College -Wide Committees:

Search committees:

- Biology Technician,
- Ecologist (3)
- Animal Physiologist (4)
- Molecular/Plant Physiologist (2)
- Professional Specialist (chair)
- Environmental Science technician,
- Administrative assistant for Center for Applied Research
- Biotechnology technician for Center for Applied Research,
- Environmental Studies Faculty (4)
- Chemistry/Organic Biochemistry positions (5)
- Chemistry and Physics Research associate,
- Computer Science faculty positions (2),

- Administrative assistant for School of Science
- Athletic Training Director/Movement sciences(2)
- Physiologist Biology Department (3),
- Science Enrichment Center/Science tutoring coordinator
- Medical Anthropology

University-Wide Committees

- Faculty senate-Election
- Affirmative action
- College Collaboration
- Liaison with Stevens Institute of Technology;
- Office of Minority Education;
- Advisement review board for undeclared students
- Student Center planning
- Grants for Minority programs: Hoffman-La Roche, McNair;
- NATA program evaluation (department of Movement Sciences)
- Freshman Convocation
- Pre-college programs
- Task force on Minority Recruitment and Retention

Search committees:

- Dean of College of Science and Health
- Biology Department: physiologist (3)
- Environmental Sciences faculty (4)
- Director of Office of Minority Education (2),
- Director of Center of Academic support,
- Assistant director of career counseling and placement
- Dean of student services,
- Assistant director of EOF
- Assistant Vice-president for Research and grants
- Dean of Continuing Education and Distance Learning
- Project Coordinator: Minorities and Women: microcomputer

PUBLICATIONS

Refereed

Rennar–Potacco, D., **Desroches, D.**, & DeYoung, S. (2018). Re-inventing Academic Support: Effects of Decentralization and Relocation. In L. Sanders, M. Frizell, and D. Reedy (Eds.), *Learning centers in the 21st century: Design, delivery and performance* (pp. 475–482). Springfield,MO: National College Learning Center Association.

Potacco, D. R., **Desroches, D.**, Chen, P., & Saturen, V. (2016) *Partnerships in Learning: A Faculty-Academic Support Center Collaboration to Enhance STEM Student Success*, Consortium for Student Retention Data ExchangeMcLaughlin, R. Howard, J. McLaughlin, & W. E. Knight (Charter Eds), *Building bridges for student success: A sourcebook for colleges and universities* (pp. 1-12 in Part 5). Norman, OK: Consortium for Student Retention Data Exchange.

Potacco, D.R., **Desroches, D.**, & DeYoung, S. (2015). *Re-inventing Academic Support: Specificity, Collaboration, Community, and Professional Preparedness*. NCLCA :: Learning Centers in the 21st Century: Design, Delivery and Performance

Potacco, D; **Desroches, D.**; et al (2013). Coupons for Success: A marketing incentive in Academic Support. The learning Assistance Review :18: 29-45, 2013

Desroches, D., D. Verina and C. Orevillo. Sex and Strain related differences in first-pass alcohol metabolism. Alcohol 12: 221-226, 1995

Desroches, D., K. Ryan, et al. Effects of Acute In Utero alcohol Exposure on growth and electrolyte metabolism in male mice. Alcohol and Drug Res. 7: 415-422, 1987

Desroches, D., S.S. White, et al. Effects of Acute alcohol administration on maternal calcium metabolism and fetal development in mice. Alcohol and Drug Res. 7:443-452, 1987

Desroches, D. and C.R. Martin. Vitamin D, Parathyroid and Thymus Gland influences on seasonal variations in renal electrolyte excretion. Bone 7: 223-228, 1986

ABSTRACTS

Potacco, R.D; **D. Desroches** et al: Coupon for Student Success: a Marketing Incentive in Academic Support, Research and Scholarship Day, WPU, April 5, 2012

Vollenweider, D , **D. Desroches**, R.H. Benno and M.M. Salimi. Influence of Acute In-Utero ethanol exposure on cholinergic function of mouse intestine. Bull. N.J. Acad. Sciences 34:39, 1989

Sabia, M. and **D. Desroches**. First Pass alcohol Metabolism in mice: Effects of Cimetidine. Bull. N.J. Acad. Sci. 43: 18, 1998

Chang, G. and **D. Desroches**. Acute Prenatal Alcohol Exposure on Skeletal Development and Metabolism. Bull. N.J. Acad. Sci. 43: 18, 1998

Sabia, M. and **D. Desroches**. First Pass alcohol Metabolism in mice: Effects of Cimetidine. Abstract. Poster presented at The New Jersey Research Consortium, March 1998

Chang, G. and **D. Desroches**. Acute Prenatal Alcohol Exposure on Skeletal Development and Metabolism. Abstract. Poster presented at The New Jersey Research Consortium, March 1998

Benno, R. , **D. Desroches** et al. Brain growth and development in Fuller BWS mice: effects of Thyroid Hormone. Abstracts-Society for Neuroscience 11:529, 1985

White, S., **D. Desroches** et al. Effects of acute alcohol administration on calcium balance in pregnant mice. Calcium and Cellular Regulation symposium. Cornell University, N.Y. 1985

Desroches, D., R.H. Benno ,et al. Effects of the opiate antagonist, naltrexone, upon development in Fuller BWS Mice. I- Somatic growth and Metabolism : The 15th Annual Meeting of the Behavior Genetics Association, 1985

Hahn, M., R. Benno, **D. Desroches**, et al. Effects of the Opiate antagonist, Naltrexone, upon development in Fuller BWS mice. II- Behavior: The 15th Annual Meeting of the Behavior Genetics Association, 1985

Ryan, K., **D. Desroches**, et al. Effects of Maternal alcohol on growth and electrolyte metabolism of offspring in C57Bl/10J mice: Bull. N.J. Acad. Sci. 30: 50, 1985

Desroches, D. and C.R. Martin. Seasonal, Vitamin D and Thymus influences on renal electrolyte Excretion Patterns . Federation Proceedings 39: 661, 1980

Martin, C.R. and **D. Desroches**. Thymus gland influences on calcium and phosphorus metabolism and on responses to Vitamin D administration. Federation Proceedings 36: 296, 1977

Non refereed

Desroches, D. Instructors Manual: Advanced A &P 2022, WPU

Desroches, D. General A & P I Laboratory Manual, WPU 2007-2022 editions
 Desroches, D. General A & P II Laboratory Manual, WPU 2007-2022 editions
Desroches, D. et al. Laboratory Manual in Anatomy and Physiology I and II C.Kent Warner Fund, N.J., 1985, 86, 1994
Desroches, D. et al. Laboratory Manual in Applied Anatomy and Physiology. E. Wallace, Editor. C. Kent Warner Fund, N.J. 1994
 Callahan, R., **D. Desroches** ,et al. Human Biology: a Laboratory Manual; M. Hahn , editor. Wc. Brown publ. co. 1992 and 1993
Desroches, D., J. Green et al. Human Biology: A laboratory Manual, Ginn Press Mass. 1986, 1988

PRESENTATIONS

- **What Works Conference , General Anatomy and Physiology Challenge Initiative**
WP December 13,, 2021
- **Women in Science (WISE) – “ Not Hiding or Hidden Figure” a Gladiator ’on**
November 2017
- **Freshman Seminar , Honors, Research Opportunities** November 2017. 2018
- **Hidden Figures**, Freshmen Experience, “ My journey” November 2017
- Numerous presentations to High School and College students –
- On and off campus: 1982-2010
- East Side High School ;
- Chem-Math Prep Program
- WPU, School of Nursing and Health

OTHER PROFESSIONAL ACTIVITIES

Reviewer for

- Pearson publishing: Human Anatomy and Physiology 2011, 2012
- Addison Wesley, A & P 2011
- Atlantic Geology, 2009
- Bulletin of the NJ Academy of Sciences, 1986
- WmC. Brown Publishing Co. 1989, 1990, 1993, 1994
- McGraw Hill Book Company: Human A& P, Biology-1998, 2000, 2008, 2011
- Harper Collins Publishers- Human A& P 1992, 1993-D.C. Heath Publishers- Human Biology 1993, 1994

NEW YORK STATE BOARD OF REGENTS:

- For College pathophysiology exam
- Pretested questions: 1997
- Provided answers to potential exam questions: 1998