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EDUCATION:
1985 York College-City University of New York
B.S. Chemistry
1991 University of Maryland-College Park
Ph.D. Organic Chemistry
Research Advisor: James Herndon, Ph.D.
Thesis: *Investigative Studies of Tetraalkylstannanes*

POSTDOCTORAL TRAINING:
1991-1993 NIH Postdoctoral Fellow
Duke University, Department of Chemistry
Postdoctoral Advisor: Ned Porter, Ph.D.

EMPLOYMENT:

Academic Positions

2018-pres Professor, Department of Chemistry, Winston-Salem State University (WSSU), Winston-Salem, NC
2011-pres Professor, Department of Biological Sciences, WSSU, Winston-Salem, NC
2012-2016 Chair, Department of Biological Sciences, WSSU, Winston-Salem, NC
2003-2011 Associate Professor, Department of Biological Sciences, WSSU, Winston-Salem, NC
2003-pres Adjunct Professor, Department of Physiology and Pharmacology, Wake Forest School of Medicine (WFSM), NC
2002-2003 Associate Professor, Department of Physical Sciences, WSSU, Winston-Salem, NC
1997-2002 Assistant Professor, Physical Sciences Department, WSSU, Winston-Salem, NC
1996-98 Research Associate, Wake Forest University School of Medicine, Winston-Salem, NC
1995 Assistant Professor, North Carolina A&T State University, Greensboro, NC (adjunct)
1995-97 Instructor, Wake Forest University School of Medicine, (HCOP), Winston-Salem, NC
1995 Instructor, Konica Manufacturing, Gibsonville, NC
1993-1995 Assistant Professor, Bennett College, Greensboro, NC
1991-1993 Postdoctoral Fellow, Duke University, Durham, NC
1988-1991 Research Assistant, University of Maryland-College Park, College Park, MD
1986-1988 Teaching Assistant, University of Maryland-College Park, College Park, MD

1983-1985 Research Assistant, Minority Biomedical Research Support (MBRS) Program, York College, New York, NY

Leadership and Administrative Experience

- 2017 Co-chair, Triad BioNight 2017 (<http://www.ncbiotech.org/triad-bionight-2017>)
Provided leadership to five committees (Awards, Hospitality, Logistics, Marketing, and Sponsorship); our collective efforts culminated in a celebration of regional growth in the life science sector and ten awards for leaders in their respective industries.
- 2015-2016 Study Vice-Chair, Army Science Board, Enhancing Human and Team Performance- reviewed literature, interviewed, surveyed diverse institutions, and developed an Integrated Talent Model
- 2012-2016 Chair, Department of Biological Sciences (21 faculty, 6 staff, 15 student workers, ~350 biology majors, ~2100 pre-health majors)- hire and evaluate faculty and staff, schedule courses, advise and mentor students, manage budgets, implement the strategic plan, assess program goals for the purpose of continuous improvement (retention rose from 40% to 70%), and other associated duties.
- 2011-pres Co-Director, Preparing Critical Faculty for the Future: Phase I and II- enhancement of undergraduate STEM education while maximizing the professional and leadership development of STEM faculty.
- 2006-2015 Chair (2008-2015), Co-Chair (2006-2008), Research Initiation Program- coordinate the peer review of proposals, assign peer reviewers, review proposals, and subsequently award 70K annually (approximately 10K/project based on faculty recommendations); make budget decisions and grant no-cost extensions; assist with the revision of the guidelines to ensure efficiency while streamlining the process. This program funded 82 projects and led to over \$8.5M in external awards.
- 2007-2017 Southern Association of Colleges and Schools (SACS) Executive Leadership Team Member- assist with ensuring the success of the WSSU Quality Enhancement Plan (QEP), *Rams Write: Writing in the Major (WIM)*, this plan served as a model for southern universities. Involved in a plethora of SACS-related duties including, but not limited to the following:
- ❖ Co-Chair, SACS Quality Enhancement Plan (QEP) Topics Selection Committee: convened meetings with faculty and surveyed WSSU stakeholders to make a recommendation to the Chancellor about our QEP topic
 - ❖ SACS Writing Team: assisted with writing and editing the QEP (73 pp.; \$1.5M), various compliance reports (~15), and the Five Year Impact Report
 - ❖ Co-Chair, SACS-QEP Steering Committee: assist with the implementation of the WSSU QEP, develop and conduct Faculty Development Workshops and their evaluation; review data and make recommendations for improvement. Our QEP is noted as a Plan of distinction: <http://www.thenewsargus.com/news/view.php/403539/SACS-team-cites-Winston-Salem-State-Univ>; http://northcarolina.edu/apps/bog/teaching_awards/2011/harp.html. Our WIM Program awarded the Conference on College Composition and Communication Writing Program Certificate of Excellence in 2017: (<http://cccc.ncte.org/cccc/awards/writingprogramcert>)

Leadership Training

- 2016-19 Conclave Leadership Academy, Fielding Graduate University (40 CEUs earned)
- 2019 Certificate of Completion-
- 2011-pres Certificate of Completion- Army Science Board Annual Ethics Training
- 2013 Certificate of Completion-Council of Colleges of Arts & Sciences, Chairs Training

2007 Certificate of Leadership, Executive Leadership Summit, Hampton University, Hampton, VA

Courses Taught

Undergraduate-

Lecture and lab courses: General Bio (nonmajors), Principles of Bio I, Biochemistry, Biomolecules, General Chem I and II, Organic Chem I and II, and Physical Science, Investigations and Research I, II, and III, Introduction to Neuroscience Lab.

Lecture courses: Senior Seminar, Neuroscience Seminar, Scientific Ethics and Controversies (lecture, developed and taught), Scientific Writing

Graduate- Physiology and Pharmacology (biochemistry portion, WFSM)

INSTITUTIONAL SERVICE, PROFESSIONAL APPOINTMENTS/ACTIVITIES:

Institutional Service:

- 2016-2017 Chair, Academics and Instruction Committee – co-developed an action plan based on results of the A&I survey
- 2016-2017 Co-Chair, Academics and Instruction Committee – co-developed a survey based on discussions with faculty during a university-wide forum. Questions in seven areas were addressed (facilities, technology, tangible/human resources, curriculum, faculty input, assessment, students' needs, and student/ faculty behavior); 69% of the faculty responded
- 2017-pres Faculty Senate – work with faculty and the administrators in the decision making process
- 2005-pres Assessment Committee member - formulate and assess student learning outcomes
- 2009 – pres Suspension Appeals Committee - review students' appeal letters and records to decide if s/he can return to WSSU after being suspended for poor academic performance
- 2008-pres Expert Reading Group Member: use the WSSU Holistic Rubric to score junior and senior manuscripts in all disciplines (~50/semester)
- 2008-pres and Discipline Faculty Reading Group Member: use the WSSU Holistic Rubric to score junior and senior manuscripts (~20/semester), primarily in the STEM areas
- 2012-pres Science Building Coordinator – facilities management to include ensuring the proper maintenance of equipment; oversee the proper storage and disposal of hazardous materials, renovations, repairs, and other building-related responsibilities
- 2007-pres Waste Management Task Force - trained in waste management to ensure the proper disposal of items from the science buildings
- 1999-pres Search Committees (over 15) - make recommendations concerning the hiring of faculty, staff, and administrators based on the review of vitae and interviews.
- 2002-pres Internal Review Board (IRB)- approve or reject proposals that involve Human Subjects
- 2010- 2014 Interdisciplinary Studies (IDS) Advisory Board - ensure the IDS program primarily meets the needs of adult learners, especially those students that have an associate's degree
- 2011 Co-chair, Internal Review Board- reviewed and approved or rejected IRB applications
- 2008-11 Grievance Committee Chair- convened a group of elected faculty to address submitted grievances in accord with established policies
- 2010 Diggs Gallery Fundraising Committee - assist with the logistics of hosting a dinner and play to raise funds for WSSU's art gallery
- 2006-10 Faculty Senate - reviewed and revised policies and procedures related to the faculty
- 2006-09 Tenure and Promotion Committee – assisted decisions concerning awarding tenure and promotion and modifying the policies
- 2006-07 Discharge, Non-reappointment Committee - assisted in the decision concerning the discharge and non-reappointment of faculty

- 2005-06 Institutional Planning and Assessment (IPAR) - worked to establish a culture of assessment.
2006 Post-Tenure Review committee - made recommendations concerning tenure after a faculty member was denied
- 2006 Justice Studies Program advisory committee- assisted with the design of the program that also incorporated scholarships for students
- 2006 Arts Council Fundraising Committee- assisted with exceeding the monetary target set by the university to award the Arts Council of Winston-Salem
- 2005 Wilveria Bass Atkinson Building Dedication-assist with groundbreaking ceremony logistics.
- 2005 Internship Task Force: identified the barriers to students' obtaining internships
- 2004 Undergraduate Forum – co-hosted this conference held at WSSU
- 2004 Dean's Fundraising Committee-assisted with the planning of a jazz concert to raise funds for the College of Arts and Sciences
- 2003 Research Integrity Conference - assisted with the logistics of the WSSU conference
- 2002 Senior Forum Coordinator - assisted with the logistics of the conference held at WSSU
- 2001-04 Faculty Development Committee - review proposals for instructional, research, or travel and award funds based on merit
- 2001-03 UNC Faculty Assemblywoman - assisted in carrying out the Assembly's objectives
- 2001 Enrollment Management Committee - advise on recruitment and retention issues
- 2001 Misconduct in Research Committee - review claims of misconduct
- 2000 Student Development Committee - assess practices on campus that involve student learning and related student services in accord with SACS requirements
- 2000 Community Internet Service Center Project: assisted with helping a local church obtain computers so members in the community can have access
- 1999-2003 Faculty Senate - Reviewed and revised policies and procedures related to the faculty

Departmental Service:

- 2012- pres Promotion and Tenure (P&T) Committee Member - ensure departmental and university guidelines are followed when reviewing candidates; conduct meetings, write reports, and meet with candidates concerning the results of their review
- 2006-11 General Biology Co-coordinator- supervised adjuncts and (re)designed the course for non-majors and wrote assessment reports and ensured course standardization of several sections
- 2011- 2012 Promotion and Tenure (P&T) Committee Chair - ensured departmental and university guidelines are followed when reviewing candidates; conducted meetings, wrote reports, met with candidates concerning the results of their review, and assisted with revising the rubric used for (P&T)
- 2007-10 Secondary Education Committee – designed the BS in biology and chemistry for aspiring middle and high school teachers
- 2007 M.S. in Biology – primary author of the *Intent to Plan* submitted to the state's General Administration for the Master's in Integrative Biosciences degree
- 2005-pres Curriculum Committee (undergraduate and graduate) - assessment and revision of the undergraduate curriculum; development of the graduate curriculum
- 2005-pres Departmental Assessment Committee-formulate and assess student learning outcomes
- 2005-pres Scholarship Committee - award funds to students based on merit and/or financial need
- 2002 Phon-a-thon for incoming students-contacted incoming science majors to welcome them
- 2002 Masters in Biotechnology committee-primary author of the *Intent to Plan* and *Authorization to Establish* proposals for the development of this program

Extramural Appointments and Service

- 2011-pres Army Science Board Member- usarmy.vo.llnwd.net/e2/c/downloads/261951.pdf, **Top Secret security clearance**, nominated and approved by Congress; conducted studies and co-wrote the following reports:
- (1) The Strategic Direction for Army Science and Technology (S&T): optimization in a reduced funding environment
 - (2) Use of Data to Predict High Risk Behavior: studied methods that may predict if someone would harm themselves, the nation, or others
 - (3) Human Interaction and Behavioral Enhancement (**confidential**)
 - (4) Talent Management and the Next Training Revolution: identifying, developing, and retaining talent; designed the Integrated Talent Management Program
 - (5) Enhancing Soldier and Team Performance: assessment of current technologies and best practices to enhance cognitive, psychological, and physical traits
 - (6) Improving Transition of Laboratory Programs: identify best practices for transitioning S&T into fielded programs
 - (7) Manned-Unmanned Teaming: assessment of current technologies and best practices to enhance teaming between humans and autonomous agents.
 - (8) Talent Management and the Next Training Revolution II: identifying, developing, promoting and retaining officers
- 2012-2016 National Institutes of Health, National Institutes of Drug Addiction (NIH, NIDA): Drug Discovery in the Nervous System (Member)
- 2012-2016 NIH, NIDA: Molecular Probes (Member)
- 2002-2017 National Science Foundation (NSF) proposal reviewer
- 2000-01 NIH MBRS proposal reviewer

Community Activities and Service:

- 2016-pres UNC IMPACTORS- outreach to K12 via hands-on activities and experiments in area schools and at the NC Science Festival
- 2000-pres Cornerstone Life Center financial steward
- 2006-pres “National Chemistry Week” volunteer
- 2004-pres Summer Science Technology Institute for rising 8th graders
- 2010-2013 WFSM-Translational Science Institute Science Fair Workshops for K5 students and parents
- 1995-2013 Cornerstone Life Center nursery school teacher
- 2003-2012 SciWorks Black History Month Coordinator (hands-on science experiments with K6 students)
- 2002-2012 Cornerstone Life Center Life Application Class teacher
- 2002-2010 Project SEED Chair for CNC-ACS Section
- 2007 Science Career Enrichment Program (SCEP) for middle and high school students
- 2006 Career day presenter at Forest Park Elementary “How I Became a Science Professor”
- 2004, 2005 SAT Preparation Course Instructor, Cornerstone Tabernacle
- 2004 Pilot Elementary hands-on science experiments with 4th and 5th graders
- 2002 Cheerleading coach, Pilot Elementary
- 1998-2000 Saturday Academy Instructor for 3rd to 8th graders
- 2000 Volunteer coordinator, Ragsdale HS

Grantsmanship:

Extramural:

- 10/18-9/23 AEOP Program: Junior Science and Humanities Symposium; \$750,000 (pending)
- 7/19-6/24 PRIME IRACDA: Training for Postdoctoral Fellows (NIH); \$157,454 (pending)
- 9/16-8/19 Targeted Infusion Program: Creating an Honors Curriculum to Enrich Undergraduate

- 2015 3rd Faculty STEM Institute, Diggs Gallery, Winston- Salem, NC
- 2014 2nd Faculty STEM Institute, Diggs Gallery, Winston Salem, NC
- 2014 1st Faculty STEM Institute, Tanglewood Park, Clemmons, NC

Professional Memberships

- 1990-pres American Chemical Society
- 1997-pres Central North Carolina ACS section member
- 2002-pres National Computational Science Institute (NCSI) Steering Committee Member
- 2013-pres Society of STEM Women of Color Member
- 2015-pres North Carolina Academy of Sciences Member
- 2011-pres Iota Sigma Pi Society Member
- 2008-2009 Society for Neuroscience Local Section Member

Honors and Awards

- 2011 UNC Board of Governor's Excellence in Teaching Award
http://www.northcarolina.edu/apps/bog/teaching_awards/2011/harp.html
- 2009 WSSU O'Kelly Scholar
- 2003 American Chemical Society Outstanding Service Award

Selected Invited Presentations

- 2018 Workshop: Respecting Past Pedagogies and Envisioning Future Cultures of Writing, 123rd Annual SACS Meeting, New Orleans, LA
- 2018 Workshop: Proposal writing as a tool for deep learning in the STEM undergraduate curriculum, Understanding Interventions 10th Annual Conference Baltimore, MD
- 2017 STEM Retention Strategies at Winston-Salem State University, 6th Annual Bridging the Gap Conference, Raleigh, NC
- 2017 Winston-Salem Preparatory Academy: Hands-on neuroscience experiments
- 2016 Hanes Magnet School, Winston-Salem, NC-encourage girls to pursue a STEM career
- 2016 SciTech STEM Symposium: Hands-on sheep brain dissections with middle school students
- 2016 Health Equity Research Opportunity Workshop: Building Your Research Platform
- 2015 Integrative Learning: A Faculty and Student Development Model, San Diego, CA
- 2015 Integrative Learning; WSSU Faculty STEM Institute
- 2014 Professional Development Workshop for Postdoctoral Associates: Obtaining a Faculty Position, Wake Forest University School of Medicine, Winston Salem, NC
- 2014 Beyond Mentoring: Supporting Faculty Success; Opening Session for Faculty, University of the District of Columbia, Washington, DC
- 2013 Youth STEM Day panelist, Andrews High School, High Point, NC
- 2013 High Impact Practices panelist, WSSU, Winston Salem, NC
- 2012 Tenure and Promotion panelist, WSSU, Winston-Salem, NC
- 2012 Youth STEM Day Speaker, Andrews High School, High Point, NC
- 2011 Faculty Awards Ceremony luncheon speaker, WSSU, Winston Salem, NC
- 2010 O'Kelly Scholars luncheon speaker, WSSU, Winston Salem, NC
- 2010 Training Future Scientists Symposium, Greensboro, NC
- 2007 National Center for Academic Transformation Redesign Alliance First Annual Meeting, "Redesigning General Biology", Austin, TX
- 2006 East Carolina University Chemical Seminar Series, Greeneville, NC
- 2002 UNC Teaching and Learning with Technology, "Using BlackBoard", Greensboro, NC
- 2002 Supercomputing02, "Incorporating Computational Science into the Undergraduate

Curriculum”, Baltimore, MD

Professional Service:

2014-15 NC Academy Science Conference Planning Committee
 2014-15 AACU PKAL STEM Conference Planning committee
 2009, 2017 SACS Reviewer
 2005 SC05 Education Committee Officer

Session Discussant/Judge

2015-pres WSSU Scholarship Day Conference Judge
 2011 Sigma Xi Conference Judge
 2010 Rho Lambda Chapter – Sigma Theta Tau Research Day Discussant: Bench to Bedside Treatment for Drug Addiction
 2010 Pedagogy Circle Discussant- High Impact Classroom Strategies
 2007-09 NSF HBCU-UP Conference Judge (annually)
 2008 National Society of Black Engineers (NSBE) Conference Judge
 2000, 2001 LSAMP Conference Judge

Book Reviewer /Evaluator

2009 Johnson, G.; *Essentials of the Living World* 3rd ed, McGraw Hill
 2009 Cain, M.; *Discover Biology* 4th ed, McGraw Hill
 2009 Mader, S.; *Concepts of Biology* 2nd ed, McGraw Hill
 2007 Smith, J.G.; *Organic Chemistry*, 2nd ed, McGraw Hill
 2002 *An Introduction to Computational Chemistry*, American Chemical Society

Conference Proposal Reviewer

2013, 2015, 2016 AACU Project Kaleidoscope (PKAL) meeting

WORKSHOPS/INSTITUTES/SHORT COURSES ATTENDED

2018 ADVANCE Summer Writing Retreat, Winston-Salem, NC
 2017, 2018 Department of Defense HBCU/MI Workshop, Durham, NC
 2017 Developing an Assessment Culture: Strategic Approaches to Faculty Development in Assessment, SACS Annual Meeting
 2016, 2017 Skillport: eLearning – online professional development session
 2016 Using Excel’s Analysis Toolpak to Make Data-Informed Decisions; SACS Annual Meeting
 2016 Cultivating Appetites for Deep Learning: Enhancing Curriculum & Improving Performance, SACS Annual Meeting
 2015 Screencast-o-matic Workshop (<https://screencast-o-matic.com/home>), Winston-Salem, NC
 2013 Interdisciplinary Computing Workshop, Durham NC
 2012 Leadership for Change in STEM Education Workshop, Kansas City, MO
 2011 AACU’s Engaging Department’s Institute, Miami, FL
 2011 Life Sciences Technology Workshop, Durham, NC
 2011 Internal Review Board Training, Durham, NC
 2010 QEM Workshop: Integration of Math into Lower Division Science Courses, Memphis, TN
 2009 Dionex Liquid Chromatography Workshop, Greensboro, NC
 2009 Ethics and Leadership Conference, Durham, NC
 2008 SACS Annual Meeting, San Antonio, TX
 2008 SACS Summer Institute, Orlando, FL
 2006 RENCI Computational Science Workshop, UNCCH, Chapel Hill, NC

2006 ACS Short Course, Computer-Assisted Drug Design, Greensboro, NC
2006 Effective Teaching Workshop, Chapel Hill, NC
2006 Infusing Diversity into the Content, Winston-Salem, NC
2005 Supercomputing05, Seattle, WA
2004 Supercomputing04, Baltimore, MD
2002 Computational Modeling in Science and Engineering Education, RTP, NC
2002 Computational Challenge in a Post-Genomic Age II, Durham, NC
2001 RTP-ACD Users Meeting, RTP, NC
2001 Biotechnology for Interdisciplinary Science Course, Georgetown University
2001 Biotechnology for the Undergraduate Biology Classroom Course, Georgetown University
2001 Improving Instruction through Multimedia Workshop, Winston-Salem, NC
2000 QEM Network Workshop, Atlanta, GA
2000 Integrating Science/Math/Teaching/Learning, Winston-Salem, NC
2000 Skills for Success: A Workshop for Women Faculty and Executives
1999 Strategies for Success in Science workshop, Richmond, VA

CONFERENCES AND MEETINGS ATTENDED

2011-pres Army Science Board Plenaries (held quarterly)
2007-pres SACS Annual Meetings
2010-2015 White House Initiative on HBCUs, Washington, DC (held annually)
2012 AACU Network for Academic Renewal Conference: *Next Generation STEM Learning: Investigate, Innovate, Inspire*, Kansas City, MO
2011 NSF-HRD Joint Annual Meeting, Washington, DC
2011-pres Women of Color Conclave, Atlanta, GA or Washington, DC area (held annually)
2011-pres Understanding Interventions that Broaden STEM Participation, Nashville, TN
2010 Minority Serving Institute Research Partnership Conference, Baltimore, MD
2010 Joint WSSU-WFU Synapse Symposium, Winston-Salem, NC
2009 NSF-HRD Joint Annual Meeting, Washington, DC
2009 Virginia Tech Structural Biology Symposium, Blacksburg, VA
2009 Writing and Speaking Across the Curriculum Symposium, UNC-Greensboro
2008 Frontiers in Addiction Research, Washington, DC
2008 NSF-HRD Joint Annual Meeting, Washington, DC
2008 NSBE Fall Regional Meeting, Norfolk, VA
2008 Minority Serving Institute Research Partnership Conference, New Orleans, LA
2008 NSBE Annual Conference, Orlando, FL
2008 National Center for Academic Transformation Conference, Orlando, FL
2008 North Carolina State Assessment Conference, Raleigh, NC
2007 Sloan-C Conference, Orlando, FL
2007 HBCU-UP Conference, Washington, DC
2007 Risky Behaviors and Drug Addiction Conference, Bethesda, MD
2007 National Center for Academic Transformation Conference, Austin, TX
2006 RENCI Computational Science Workshop, UNCCH, Chapel Hill, NC
2006 ACS Short Course, Computer-Assisted Drug Design, Greensboro, NC
2006 Health Disparities Conference, Durham, NC
2006 Wake Forest University-Virginia Tech Crystallography Conference, Winston Salem, NC
2006 Minority Serving Institute Research Partnership Conference, McAllen, TX
2005 Accessing Equitable Healthcare, Greensboro, NC
2002 Small Business Innovative Research (SBIR) Conference, Winston-Salem, NC

BIBLIOGRAPHY

Refereed Journal Articles

Brown J, Guy BS, Henderson, DX, Ebert CE, Harp JJ and Markert CD. Regenerative medicine: a vehicle to infuse laboratory-bench modules into an exercise physiology curriculum. *Adv Physiol Educ*; 2018;42(1):32-42.

Presley, T and Harp, J. The incorporation of physics-based principles within general biology to promote integrative learning and thinking. *CBE-Life Sciences*; in revision.

Pulgar, VM and Keith-Harp, J. Diphenylmethoxypiperidine-derived cocaine antagonists inhibit vascular contraction. *Bioorg Med Chem Lett*. 2014; 24(11):2429-32.

Oleson EB, Ferris MJ, Espana RA, Harp JJ, and Jones, SR. Effects of the H1 histamine antagonist and benzotropine analog diphenylpyraline on dopamine uptake, locomotion, and reward. *Eur J Pharmacol*. 2012; 683(1-3):161-165.

Lapa GB, Mathews TA, Harp J, Budygin EA, Jones SR. Diphenylpyraline, a histamine H1 receptor antagonist, has psychostimulant properties. *Eur J Pharmacol*. 2005; 506(3):237-40.

Lapa GB, Byrd GD, Lapa AA, Budygin EA, Childers SR, Jones SR and Harp JJ. The synthesis and biological evaluation of dopamine transporter inhibiting activity of substituted diphenylmethoxypiperidines. *Bioorg Med Chem Lett* 2005; 15(22):4915-8.

Bennett BA, Hollingsworth CK, Martin RS, Harp JJ. Alteration in dopamine transporter function after methamphetamine treatment. *Br Res* 1997; 782:219-227.

Porter NA, Su Q, Harp JJ, McPhail AT. The stereoselective synthesis of succinamide derivatives *via* enolate oxidative coupling. *Tet Lett* 1993; 4457-4460.

Herndon JW, Harp JJ. Cyclization of alkene-containing tetraalkylstannanes. *Tet Lett* 1992; 33:6243-6246.

Herndon JW, Chatterjee GC, Patel PP, Matasi JJ, Tumer SU, Harp JJ, Reid MD. Cyclopropylcarbene-tungsten complexes + alkynes: A [4+2+1] cycloaddition route for the construction of seven-membered rings. *J Amer Chem Soc* 1991; 113:7807-7809.

Harp, J.J. (1991). Investigative Studies of Tetraalkylstannanes (Unpublished doctoral dissertation). University of Maryland, College Park

Herndon JW, Wu C, Harp JJ, Kruetzer KK. Exploration of the [3+2] cycloaddition reaction between allylstannanes and β,α -unsaturated acyliron complexes. *Synlett* 1991; 1-10.

Herndon JW, Wu C, Harp JJ. Reaction of allylstannanes with β,α -unsaturated acyliron complexes: stereoselective synthesis of cyclopentane Derivatives. *Organometallics*, 1990; 9:3157-3171.

Herndon JW, Harp JJ. Reaction of 5-hexenyltributyltin with pseudohalogens: cyclization vs. double bond addition. *J Organomet Chem* 1990; 393:C1-C5.

Technical Reports (asb.army.mil/studies.html)/

Army Science Board, *Improving Transition of Laboratory Programs into Warfighting Capabilities through Experimentation*, United States Army Training and Doctrine Command Office, Washington, DC, October 2017. asb.army.mil/content/reports/AD1063618.pdf

Army Science Board, *Army Efforts to Enhance Soldier and Team Performance*, United States Army Training and Doctrine Command Office, Washington, DC, June 2017
asb.army.mil/content/reports/AD1058365.pdf

Army Science Board, *The Strategic Direction For Army Science and Technology*, United States Army Training and Doctrine Command Office, Washington, DC, February 2013.
<https://fas.org/irp/doddir/army/asb-strat.pdf>

Technical Briefings

Tegnelia, J., *et al*, *FY 2014 Human Interaction and Behavioral Enhancement*, United States Army Training and Doctrine Command Office, Colorado Springs, CO, 2015.

Tegnelia, J., *et al*, *FY 2014 Human Interaction and Behavioral Enhancement*, United States Army Training and Doctrine Command Office, Colorado Springs, CO, 2015.

Tegnelia, J., *et al*, *FY 2013 Talent Management and the Next Training Revolution*, United States Army Training and Doctrine Command Office, Charlottesville, VA, 2014.

Tegnelia, J., *et al*, *FY 2012 Use of Data to Predict High Risk Behavior*, United States Army Training and Doctrine Command Office, Washington DC, 2013.

Tegnelia, J., *et al*, *FY 2011 The Strategic Direction For Army Science and Technology*, United States Army Training and Doctrine Command Office, Washington DC, 2012.

Accreditation Reports:

Manigault, S., McCarter, M., Ford, D., Harp, J. *Quality Enhancement Plan: Rams Write – Improving Writing in the Major*, Winston Salem State University, Winston-Salem, NC 2010

wssu.edu/about/news/2010/20101216-wssu-accreditation-reaffirmed.aspx

SACSCOC Core Requirement 2.9 and twelve SACSCOC Comprehensive Standards written.

Abstracts/Presentations at Meetings (students in bold):

Lucas K., Stover K., Black O., Eldeeb, K., Howlett A. and Keith J. Diphenylpyraline analogues behave as CB1 cannabinoid receptor agonists. 18th Annual Poster/Vendor Night, Greensboro, NC, 2018

Lucas K., Stover K., Black O., Eldeeb, K., Howlett A. and Keith J. Diphenylpyraline analogues behave as CB1 cannabinoid receptor agonists. 9th Annual Scholarship Day, Winston-Salem, NC, 2018

Keith J and Mitchel T. Proposal writing as a tool for deep learning in the stem undergraduate curriculum, 10th Understanding Interventions Conference, Baltimore, MD 2018

Hall-Byers N., Keith J., and Presley T. Stem retention strategies at Winston-Salem State University. 6th Annual Bridging the Gap Conference, Raleigh, NC 2017

Cureton D and Keith J. Clearing the path to equity and excellence: navigating spaces that produce cultures of writing. SACS Annual Meeting, Atlanta, GA, 2016

Williams DB and Harp JJ. Diphenylpyraline, a histamine receptor antagonist, acts as a GABA_A receptor agonist. *Soc. For Neuroscience* 2016 (34.08)

Porter T., Brown, S., Harp, J. Piperidines as possible therapeutics for CNS disorders, 16th Annual Poster/Vendor Night, Winston Salem, NC, 2016

Porter T., Brown, S., Harp, J. Piperidines as possible therapeutics for CNS disorders, 7th Annual Scholarship Day, Greensboro, NC, 2016

Eldeeb K., Keith-Harp, J., Howlett A. Diphenylpyraline analogues behave as CB1 cannabinoid receptor agonists, Carolina Cannabinoid Collaborative 2015, Rockville, MD, 2015

Williams DB, **Clavijo JP,** Keith-Harp JJ. A Case for similarities between histamine receptor ligands and GABAA receptor agonists, Neuroscience 2015, Chicago, IL, 2015

Clavijo J., Thuyns S., Keith-Harp JJ, Williams DB. Characterization of another novel GABA-acting piperidine, 6th Annual Scholarship Day, Winston Salem, NC, 2015

Link CM, Norris-Woods K., Keith, JJ. QSAR and Synthesis of Novel Dopamine Transporter Inhibitors, 5th Annual Scholarship Day, Winston Salem, NC, 2014

Hurley T., Keith JJ, Pulgar VM. Vascular Effects of Diphenylmethoxypiperidine-Derived Cocaine Antagonists, 5th Annual Scholarship Day, Winston Salem, NC, 2014

Clavijo, J., Parker, D., Keith J. Williams D., A piperidine agonist for alpha-2 containing GABAA receptors, 4th Annual Scholarship Day, Winston Salem, NC, 2013

Williams D., **Williams, A.,** Keith J. A second piperidine derivative originally designed as a cocaine blocker acts as a less potent agonist at GABAA receptors, 4th Annual Scholarship Day, Winston Salem, NC, 2013

Sumners, M., Williams, A., Keith J., Williams D. representations of GABA, benzodiazapine, and dopamine transporter ligands: a search for structural similarity, 4th Annual Scholarship Day, Winston Salem, NC, 2013

Manigault S., Harp J. Lessons Learned While Implementing a QEP on Writing in the Major. SACS Annual Meeting, Dallas, TX, 2012

Harp J. Using Writing in the Sciences to Maintain Quality STEM Participation. 5th Annual Broadening Participation in STEM Conference, Baltimore, MD, 2012

Howell F., Garner J.D., Price M.J., Harp J. and Williams D.B. Piperidines as Potential Medications for Cocaine Addicts, 3rd Annual Scholarship Day, Winston Salem NC, 2012

McNeil N., Worsely R., Moodley D., Harp J. The Synthesis of Piperidines as Potential Medications for

Cocaine Addicts, 3rd Annual Scholarship Day, Winston Salem NC, 2012

Davidson I., Alston D., Brown T., Hoke C., Henderson A., Nall D., Taft J., and Keith Harp J. Teaching Oral Communication Using Scientific Ethics In A General Education Course, 3rd Annual Scholarship Day, Winston Salem NC, 2012

Manigault S., Harp J. Developing a Model for a QEP on Writing in the Major through Faculty Engagement, 2011 SACS Annual Conference, Orlando, FL.

Manigault S., Harp J. Winston-Salem State University's QEP Topic: Rams Write: Improving Writing in the Major (WIM), 2011 SACS Summer Institute, Fort Worth, TX.

McCarter M., Manigault S., Harp J. Developing a Model for a QEP on Writing in the Major through Faculty Engagement, 2010 SACS Annual Conference, Louisville, Kentucky.

Williams DB, **Price MJ**, Harp JJ. A piperidine derivative designed as a cocaine blocker is a potent agonist at GABA_A receptors. 2010 WSSU Undergraduate Forum, Winston-Salem, NC

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