

CURRICULUM VITAE
ALLISON C. AUGUSTUS-WALLACE, Ph.D., M.S., M.N.S.
(Revised 02/27/2014)

A. PERSONAL STATISTICS

21 Camden Court
Mandeville, LA 70471
Telephone: 504-722-8010
Email: *awall1@lsuhsc.edu*

B. EDUCATION

Ph.D. (Biochemistry and Molecular Biology) LSU Health Sciences Center-New Orleans	2010-2014
Doctoral Studies (Chemistry) University of Nevada, Las Vegas	2006-2009
Doctoral Studies (Biochemistry and Molecular Biology) LSU Health Sciences Center-New Orleans	2004-2005
M.S. (Healthcare Management {Public Health}) University of New Orleans	2000-2003
M.N.S. (Biochemistry) Louisiana State University and A & M College	1995-1997
B.S. (Biochemistry; Minors: Zoology and Political Science) Louisiana State University and A & M College	1989-1994

C. PROFESSIONAL EXPERIENCE

**Louisiana State University Health Sciences Center, School of Medicine,
Office of Diversity and Community Engagement**
Faculty, Assistant Professor-Research and Director, Program Development Research and Pre-Matriculation Program, 2014-Current

Delgado Community College, Department of Science and Mathematics

Faculty, Instructor of Biology 2009-2010
Adjunct Faculty, Biology Instructor 1999-2000

Dillard University, Department of Biology

Faculty, Instructor of Biology 2000-2005
Advisor, Pre-Dental School Program and Club 2000-2005
Chairperson, Dental School Placement Committee 2000-2005
Research Mentor and Faculty Tutorial Support for Dillard University-Louisiana Alliance
for Minority Participation (LAMP) 2000-2005
Advisor, Beta Beta Beta National Biological Honors Society 2003-2005
Faculty, Instructional Assistant-Biology 1999-2000

Louisiana State Department of Health and Hospitals

Laboratory Scientist 2, Volatile Organic Compounds Specialist 1998-1999

Tech 2000/Grant Chemical-Ferro Corporation

Research and Development Laboratory Scientist 1997-1998

Louisiana Reference Laboratory (A Division of Baton Rouge General Medical Center)

Accession Laboratory Technician 2 1996-1997

Louisiana State Department of Environmental Quality

Graduate Student Intern 1 1995-1996

D. TEACHING EXPERIENCE

Didactic

LSU Health Sciences Center-New Orleans (Ph.D. Student/Graduate Assistant)

Graduate Biochemistry Lecture (Biochemistry 201, Nucleic Acid Segment)

Delgado Community College

Biology Lectures and Laboratory (Majors and Non-Majors, Biology 141, 142, 143, 144)
Nutrition (Biology 114)

University of Nevada, Las Vegas (Ph.D. Student/Graduate Assistant)

Organic Chemistry Laboratory (Chemistry 241L, 242L)
Biochemistry Laboratory (Chemistry 472L)

Dillard University

Biology Lectures and Laboratory (Majors and Non-Majors, Biology 111, 111L, 112, 112L; 101)
Anatomy and Physiology Lectures and Laboratory (Nursing and Physical Therapy Majors Biology 201, 201L, 202, 202L)
Biology Senior Seminar (Biology 411, 412)

E. RESEARCH

LSU Health Sciences Center-New Orleans 2010-2014

Dissertation Project (Dissertation Advisor, Dr. Arthur L. Haas, III): ***Mechanism of HECT Domain E3 Ligases Nedd4.1- and Nedd4.2-Catalyzed Polyubiquitin Chain Assembly***

University of Nevada, Las Vegas 2006-2009

Dissertation Project (Dissertation Advisor, Dr. Stephen W. Carper, Ph.D., deceased):
Boric Acid and Focal Adhesion Kinase (FAK): A Mechanism to Induce Apoptosis in Breast and Prostate Cancer Cells

LSU Health Sciences Center-New Orleans 2004-2005

Dissertation Project: (Dissertation Advisor, Dr. Jay D. Hunt, III) ***Basic fibroblast growth factor (FGF-2) induces a pro-angiogenic response through the PAF receptor (the molecular switch for angiogenesis), which results in the activation of STAT3 transcription factor, which leads to the upregulation of MMP14***

HBCU/Merck Faculty Research Center of Excellence, Spelman College 2003

Project: ***Gas Chromatography/Two-Dimensional Mass Spectrophotometer Protocol Research***

Dillard University 2001-2002

LAMP-Research Mentoring (Faculty-Student Research Collaboration)
Project: ***Crystallization of Anthracene***

Louisiana State University and A & M College (Baton Rouge, LA) 1994
Independent Research Project: **Crystallization of bee venom peptide, tertiapin, for X-ray Crystallography**

F. PUBLICATIONS

Dissertation:

Mechanism of HECT Domain E3 Ligases Nedd4.1- and Nedd4.2-Catalyzed Polyubiquitin Chain Assembly *May 2014*

Manuscripts:

Augustus-Wallace, A.C. and Haas, A.L. Mechanistic Characterization of Nedd4.1 and Nedd4.2 HECT Domain Ligases (*In preparation*)

Meacham, S., Karakas, S., **Wallace, A.** and Altun, F. (2010) Boron in Human Health: Evidence for Dietary Recommendations and Public Policies. *Open Mineral Processing J* **3**, 1-18.

Abstracts:

Augustus-Wallace, A. C., Klein, J.M., and Haas, A.L. A Tale of Two Enzymes: Nedd4.1 and Nedd4.2 HECT Domain Ligases (accepted **11/2011**, presented **02/08/12**) Sixth International Conference SUMO, Ubiquitin, UBL Proteins: Implications for Human Diseases, M.D. Anderson Medical Cancer Center, Houston, TX

Augustus-Wallace, A. C., Klein, J.M., and Haas, A.L. Functional Characterization of Nedd4.1 and Nedd4.2 HECT Domain Ligases. (**2010**) *FASEB J* **25**:519.2.

Wallace, A.C.A., Meacham, S., Abel-Santos, E., Fiscus, R.R., Carper, S.W. **Boric Acid and Focal Adhesion Kinase (FAK): A Mechanism to Induce Apoptosis in Breast and Prostate Cancer Cells** (*Presented at the 42nd Western Regional American Chemical Society Medicinal Chemistry-Cancer Drug Development; Las Vegas, NV., September 23rd-27th, 2008*)

Meacham, S.L., Cizdziel, J.V., **Wallace, A.C.A.**, Korkmaz, M., Sayli, U., Carper, S.W., Bakirdere, S., and Ataman, O.Y. **Boron Intakes in Humans and Potential Association with Cancer** (*Presented at the 42nd Western Regional American Chemical Society; Las Vegas, NV., September 23rd-27th, 2008*)

Manual

Dillard University's Pre-Dental School Program Guide (2003-2005)

G. INTRAMURAL SERVICE AND COMMITTEES

Departmental

Dillard University

Advisor, Pre-Dental School Program and Club 2000-2005

Chairperson, Dental School Placement Committee 2000-2005

Senior Advisor, Dillard University-Girl Scouts of America 2000-2005

Research Mentor and Faculty Tutorial Support, Dillard University-Louisiana Alliance for Minority Participation (LAMP) 2000-2005

Advisor, Beta Beta Beta National Biological Honors' Society 2003-2005

Institutional

Dillard University

Advisor, Pre-Dental School Program 2000-2005

Senior Advisor, Dillard University-Girl Scouts of America 2000-2005

H. EXTRAMURALSERVICE AND COMMITTEES

Liaison and Board President, Imagine Schools, Mountainview Science and Mathematics

Charter Elementary School 2007-2008

Las Vegas, Nevada

I. HONORS:

HBCU/Merck Faculty Research Program Award, Center of Excellence, Spelman College 2003

Southeastern Louisiana Girl Scouts of America Service Recognition Award 2003

Dillard University Outstanding Faculty Participation/Greatest Number of Service Hours Supplied Towards Tutorial Services/LAMP (Louisiana Alliance for Minority Participation) 2001-2004

J. FELLOWSHIPS

Ruth L. Kirschstein National Research Service Award/ National Institutes of Health/National Institute of General Medical Sciences/Minority Access to Research Careers (MARC) Faculty PredoctoralFellowship Award; awarded under the direction of Dr. Jay D. Hunt, III 2005

Award number: F-34-GM75615-01

Title: *Basic fibroblast growth factor (FGF-2) induces a pro-angiogenic response through the PAF receptor (the molecular switch for angiogenesis), which results in the activation of STAT3 transcription factor, which leads to the upregulation of MMP14.*

Award amount: \$200,000 (\$40,000/yr); **Award period:** 5 years (Relinquished due to Dr. Hunt leaving LSUHSC.)

Ruth L. Kirschstein National Research Service Award/ National Institutes of Health/National Institute of General Medical Sciences/Minority Access to Research Careers (MARC) Faculty PredoctoralFellowship Award; awarded under the direction of Dr. Arthur L. Haas, III 2005

Award number: F-34-GM75615-01

Title: *Up-regulatory Metabolic Shifts and E1 Kinetics*

Award amount: \$200,000 (\$40,000/yr); **Award period:** 5 years (Relinquished due to Hurricane Katrina & thenecessity to transfer out of state.)

K. PROFESSIONAL/COMMUNITY/SOCIALAFFILIATIONS

Member, LSU Health Sciences Center Multicultural Diversity Affairs Committee 2012-Present

American Public Health Association 2012-Present

Association of Women in Science (LSUHSC Chapter) 2012-Present

National Institutes of Health, Women of Color Research Network 2012-Present

Member, LSU Health Sciences Center Minority Student Recruitment Team 2010-2014

LSU Health Sciences Center Graduate School Student Government Association Secretary 2011-2013

Golden Key International Honour Society 2008-Present

Beta Beta Beta National Biological Honors' Society 2003-Present

Alpha Kappa Alpha Sorority, Inc. 2002-Present

Sigma Iota Epsilon (Honors Society-Management) 2001-Present

American Association for the Advancement of Science 2000-Present
Girl Scouts of America (Adult Membership/Adult Educator) 2000-Present
Dillard University-Louisiana Alliance for Minority Participation (LAMP) 2000-2005
Girl Scouts of America (Adult Membership) and Former Advisor: Dillard University Branch) 2000-2005
Woman's Hospital Senior Volunteer (Well Baby Nursery) 1993-1996
American Chemical Society 1990-1994