
Curriculum Vitae

NAME Jacqueline J. Harris, PhD	EMAIL Drjacquelineharris13@gmail.com
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
University of Mississippi	B.S.	05/05	Biology
University of Mississippi	B.A.	05/05	Biochemistry
University of Mississippi	Ph.D.	12/10	Chemistry
University of Alabama at Birmingham	postdoc	08/13	Statistical Genetics
University of Florida	postdoc	02/14	Genetics

A. Positions and Honors:

Positions and Employment

- 2017-present Assistant Professor/Laboratory Coordinator, Chemistry Grambling State University
- 2016-2017 Science Teacher, Noxubee County School District
- 2014 Adjunct Assistant Professor, Chemistry Santa Fe College, Gainesville FL
- 2010-2013 National Heart Lung and Blood Institute (NHLBI) T32-Post doctoral trainee, University of Alabama at Birmingham
- 2005-2010 Research Assistant, University of Mississippi
- 2007-2010 Biology Tutor, University of Mississippi
- 2007-2009 Biology Prep Instructor, University of Mississippi
- Prepared course and delivered instruction (Summer 2008 & 2009) 2007-2009
Graduate Teaching Assistant, University of Mississippi
 - General Chemistry/Lab (Chem116): Teaching basic chemistry lab techniques, Lab prep, graded student assignments (Spring2009)
 - Forensic DNA Analysis/Lab (Chem470): Teaching basic forensic biotechnology Techniques, prepared lab classes, graded student reports (Fall 2008)
 - Forensic DNA Analysis/Lab (Chem470) Teaching basic forensic biotechnology Techniques, prepared lab classes, graded student reports (Fall 2007)

B. Leadership and Service:

- 2018-present Member, Jackson Heart Study Genetics Working Group
- 2018 United Way Fundraising team leader, Grambling State University.
- 2018 GSU Liaison, NASA HBCU Small Business Initiative, Pasadena, CA, NASA Jet Propulsion Laboratory
- 2018-present Director, High Ability and Grambling State University College Preparatory Summer Program
- 2018-present Member, Southern Association of Colleges and Schools, Grambling State University Accreditation Team
- 2017-present Co-Chair, Grambling State University Undergraduate Research Symposium
- 2017-present Member, University of Louisiana Systems, Undergraduate Research Council
- 2017-present Chemistry Faculty Senate Representative, Grambling State University
- 2012 UAB Faculty/Staff Representative at Minority Health Network: A Genomics Resource for Health Disparity Research (MH-GRID) meeting in Morehouse in Atlanta, GA.

- 2012 Minority Recruitment Liaison, Annual Biomedical Research Conference for Minority Students, San Jose, CA
- 2011-2012 Postdoctoral Association Executive Board Member, University of Alabama at Birmingham (Survey Chair)
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- 2011 Journal Reviewer for *Cancer Epidemiology, Biomarkers & Prevention (AACR journals)*
- 2011-2013 Journal club presenter, Title: "Exploratory Structural Equation Modeling"
Title: "Integrated systems approach identifies genetic nodes and networks in late-onset Alzheimer's disease"
- 2011-2013 Grant writing club presenter, Title: "NIH Loan repayment programs/Diversity supplements"
Title: "NSF Faculty Early Career Development Program (CAREER)"

Honors

- 2019 Travel Award (Network of Minority Health Research Investigators- NMRI, NIH) \$600
- 2019 Travel Award and Fellowship (University of California Irvine Center for Complex Biological Systems) \$1700
- 2018 Faculty Outstanding Service Award (Academic Affairs, Grambling State University)
- 2011 Office of Postdoctoral Education Travel Award, University of Alabama at Birmingham
- 2010 Travel Award for Advanced Gene Mapping Course, Rockefeller University, New York
- 2005-2010 Graduate Assistantship, University of Mississippi
- 2005-2010 Graduate Fellowship, University of Mississippi
- 2009 NOBCCChE Advancing Science Award Winner, St. Louis, MO
- 2008 AGEM Scholarship, University of Mississippi
- 2007 AGEM Winter symposium presentation finalist, University of Mississippi

C. Continuing Education:

NMRI Annual Workshop,
National Institutes of Health (April 2019)—Travel Award

UCI Systems Biology Short Course,
University of California Irvine (Jan 2019)—Travel Award

Advanced Gene Mapping Course,
Rockefeller University (Dec 2010)—Applied for and received travel award

Introduction to Structural Equation Models,
University of Maryland (Jan 2011)

Advanced Structural Equation Models,
University of Maryland (Jan 2011)

UAB-based continuing education

- MBA 681 From Idea to IPO (Fall 2013)
- BST 740 Bayesian Analysis (Fall 2012)
- OPE Grant Writing Course (Spring 2012)
- EPI 632 Molecular Genetics of Obesity (Spring 2012)
- BST 622 Statistical Methods II (Spring 2011)
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BST 621 Statistical Methods I (Fall 2010)

BST 690 Statistical consulting course (Summer 2011)

BST 793 Post-doc seminar course (Summer 2011)

1st NIGMS Short Course on Statistical Genetics & Genomics (Summer 2011)

D. Abstracts and Presentations:

Jacqueline J. Harris. Using Exploratory Structural Equation Modeling to Explore Network Perturbations due to Genetic variation and Environment. National Institutes of Health, Network of Minority Health Research Investigators, Bethesda, MA, April 2019.

Jacqueline J. Harris, Shuai Doug, Habib Torfi. Risk Prediction & Mechanistic Studies with SNPs & Biomarkers for Multiple Myeloma. University of California Irvine, Center for Complex Biological Systems, Irvine CA, January 2019.

Jacqueline J. Harris. Using Exploratory Structural Equation Modeling to Explore Network Perturbations due to Genetic variation and Environment. Grambling State University, Faculty Research Symposium, Grambling, LA, November 2018.

Jacqueline J. Harris. Using Exploratory Structural Equation Modeling to Explore Network Perturbations due to Genetic variation and Environment. Louisiana Biomedical Research Institute Bioinformatics Conference, Baton Rouge, LA, April 2018.

Jacqueline J. Harris. Mock Manuscript Proposal: Formation of Disease Gene Networks from GWAS Data Using ESEM Detects Underlying Biological Factors of Metabolic Disease. NHLBI Population Studies Workshop, NIH Bethesda, MD, July 2013

Jacqueline J. Harris, Christine W. Duarte, and Nita Limdi. Analyzing Hemorrhagic Complications in Warfarin Patients with Latent Growth Modeling. UAB Health Disparities Research Symposium, Birmingham, AL, April 2012.

Jacqueline J. Harris, Christine W. Duarte, and Nita Limdi. Analyzing Hemorrhagic Complications in Warfarin Patients with Latent Growth Modeling. CCTS 3rd Annual Scientific Symposium, Birmingham, AL, 2011.

Jacqueline J. Harris, Christine W. Duarte, Michael C. Mossing. Using Protein Abundance to Indicate Underlying mRNA Expression Levels in Ecoli: An SEM Modeling Approach. Summit on Systems Biology, Richmond, VA, 2011.

Jacqueline J. Harris and Michael C. Mossing. Cro Dimer Assembly and Dynamics In vivo. The 7th Annual MCBIOS Conference, Jonesboro, AK, 2010.

Jacqueline J. Harris and Michael C. Mossing. Dynamics of Cro Repressor In vivo. The 36th Annual NOBCCChE Conference, St. Louis, Missouri, 2009.

Jacqueline J. Harris and Michael C. Mossing. Gene Expression In Living Bacteria. AGEM Winter Symposium, Oxford, MS, 2007.

Jacqueline J. Harris and Michael C. Mossing. Dynamics of Repression by Native and Pre-assembled Cro Dimers in Living Bacteria. The 20th Annual Gibbs Conference on Biothermodynamics, 2006.

Jacqueline J. Harris and Michael C. Mossing. Dynamics of Cro Repression in Living Bacteria. National Research Symposium, Jackson, MS, 2006.

F. Publications:

Harris, J.J., Duarte, C.W. and Mossing, M.C. (2011) Using protein abundance to indicate underlying mRNA expression levels in *E.coli*: an SEM modeling approach, *Int. J. Computational Biology and Drug Design* 4(4):387-95 PMID:22199038 [PubMed] PMCID:PMC3272697

Klimentidis YA, Chen GB, Lopez-Alarcon M, **Harris J.J.**, Duarte CW, Fernández JR. (2011) Associations of Obesity Genes with Obesity-related Outcomes in Multiethnic Children. *Arch Med Res*, 42(6): 509-514. PMID:22051089 PMCID: PMC3541020.

Reynolds, M. R., Sacha, J. B., Weiler, A. M, Borchardt, G. J., Glidden, C. E., Sheppard, N. C., Noranted, F. A., Castrovinci, P. A., **Harris, J. J.**, Robertson, H., Friedich, T. C., McDermott, A. B., Wilson, N. A., Allison, D.B., Koff, W.C., Johnson, W. E., and Wadtkins, D.I (2011) TRIM5 α Genotype of Rhesus Macaques Affect Acquisition of SIVsmE660 Infection after Repeated Limiting-Dose Intrarectal Challenge *J Virol*, 85(18):9637-40. PMID: 21734037 [PubMed] PMCID: PMC3165772

Duarte, C. W., Willey, C. D., Zhi, D., Cui, X. **Harris, J J.**, Vaughan, L. K, Mehta, T., McCubrey, R. O., Khodarev, N. N., Weichselbaum, R. R., and Gillespie, G. Y. (2011) Expression signature of IFN/STAT1 signaling genes predicts poor survival outcome in Glioblastoma Multiforme in a subtype-specific manner. *PLoS ONE*, 2012;7(1):e29653. PMID:22242177 [PubMed] PMCID:PMC3252343 (Publication selected by F1000)

Duarte, C. W., Klimentidis, Y. C., **Harris, J. J.**, Cardel, M., and Fernández, J (2011) A Hybrid Bayesian Network/Structural Equation Modeling (BN/SEM) Approach for Detecting Physiological Networks for Obesityrelated Genetic Variants *Proceedings IEEE Int Conf Bioinformatics Biomed* 696-702. PMID:22318170

E. Grant writing Activities:

Past Research Support

Projects were supported by Grant Number T32HL072757 from the National Heart, Lung, and Blood Institute

Grant writing

NIH K01/R01 with preliminary analysis of AMERICO using ESEM to form biological networks—Proposal for NHLBI population studies workshop (Jackson Heart Study/Strong Heart Study). In preparation