



Curriculum Vitae

Van Ninh, B.S.

Ph.D. Candidate
Louisiana State University Health Sciences Center
School of Medicine in New Orleans
Department of Physiology
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Education

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| 2013 – Present | Louisiana State University Health Sciences Center
at New Orleans School of Graduate Studies,
Department of Physiology
In pursuit of a Ph.D. in Physiology
Mentor: Dr. Jason D. Gardner, Ph.D.
Dissertation Committee Members:
Kathleen H. McDonough, Ph.D., Physiology
Scott Edwards, Ph.D., Physiology
Liz Simon, Ph.D., Physiology
Martin J. Ronis, Ph.D., Pharmacology |
| 2005 – 2009 | B.S.—Biological Sciences; Minor in Sociology
Louisiana State University, College of Science,
Department of Biological Sciences, Baton Rouge, LA |

Research Experience/Employment

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| 2014 – Present | Graduate Assistant, Dr. Jason D. Gardner,
Louisiana State University Health Science Center,
Department of Physiology |
| 2012 | Summer Research Internship Program, Dr. Angela
Amedee Louisiana State University Health Sciences
Center, Department of Microbiology, Immunology, and
Parasitology |
| 2009 – 2012 | Optometric Technician, Dr. Kimberly Lewis, Vision Works
Eyecare Center, Baton Rouge, LA. |
| 2005 – 2006 | Student Researcher, Dr. Stephen Hall, Louisiana State
University, Baton Rouge, LA |

Professional Society Membership

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| 2014 – Present | American Physiological Society: Cardiovascular Section |
| 2014 – Present | American Heart Association |

Peer-Reviewed Publications

1. **Ninh VK**, El Hajj EC, Mouton AM, and Gardner, JD. Prenatal alcohol exposure changes collagen profile in mice neonatal hearts. In Review: *Cardiovascular Toxicology*
2. **Ninh VK**, El Hajj, EC, Mouton, AJ, El Hajj, MC, Gilpin, NW, and Gardner, JD. Chronic ethanol administration prevents compensatory cardiac hypertrophy in pressure overload. *Alcoholism: Clinical and Experimental Research*. 2018: 42: 1408-1417
3. El Hajj EC, El Hajj MC, **Ninh VK**, and Gardner JD. Inhibitor of lysyl oxidase improves cardiac function and the collagen/MMP profile in response to volume overload. *American Journal of Physiology – Heart and Circulatory Physiology*. 2018: 10.1152/ajpheart.00086.2018
4. El Hajj EC, El Hajj MC, **Ninh VK**, Bradley JM, Claudino MA, and Gardner JD. Detrimental role of lysyl oxidase in cardiac remodeling. *Journal of Molecular and Cellular Cardiology*. 2017: 109:17-26
5. El Hajj MC, **Ninh VK**, El Hajj EC, Bradley JM, and Gardner JD. Estrogen receptor antagonism exacerbates cardiac structural and functional remodeling in female rats. *American Journal of Physiology - Heart and Circulatory Physiology*. 2017;312(1):H98-H105
6. Mouton AJ, **Ninh VK**, El Hajj EC, El Hajj MC, Gilpin NW, and Gardner JD. Exposure to chronic alcohol accelerates development of wall stress and eccentric remodeling in rats with volume overload. *Journal of Molecular and Cellular Cardiology*. 2016: 97: 15–23
7. El Hajj EC, El Hajj MC, **Ninh VK**, and Gardner JD. Cardioprotective effects of lysyl oxidase inhibition against volume overload-induced extracellular matrix remodeling. *Experimental Biology Medicine (Maywood)*. 2016: 241:539-549

Published Abstracts

1. **Ninh VK**, El Hajj EC, and Gardner JD. Antioxidants Treatment Prevents Profibrotic Changes and Cardiac Dysfunction in Prenatal Alcohol Exposure. American Heart Association: Basic Cardiovascular Scientific Sessions, *Circulation*, August 2018
2. **Ninh VK**, El Hajj EC, and Gardner JD. Antioxidants protects against cardiac dysfunction due to prenatal ethanol exposure. Research Society on Alcoholism, *Alcoholism: Clinical and Experimental Research* 2018 42: S1, 19A-270A

3. **Ninh VK**, El Hajj EC, and Gardner JD. In utero alcohol exposure alters the collagen profile in neonatal hearts and leads to cardiac dysfunction in mice. *The FASEB Journal*, 2018 32:1_supplement, 903.19-903.19
4. El Hajj EC, **Ninh VK**, El Hajj MC, and Gardner JD. Inhibition of Lysyl Oxidase Activity Prevents Volume Overload Diastolic and Systolic Dysfunction. *The FASEB Journal*, 2018 32:1_supplement, 903.18-903.18
5. **Ninh VK**, Mouton AJ, El Hajj EC, Ronis MJ, Gardner JD. Prenatal Alcohol Exposure Dysregulates Cardiac Fibroblast Notch1 Signaling via NOX4. Research Society on Alcoholism, *Alcoholism: Clinical and Experimental Research* 2017 41: S1, 18A-264
6. **Ninh VK**, Mouton AJ, El Hajj EC, Ronis MD, and Gardner JD. Effects of NOX4-derived oxidative stress and Notch1 dysregulation on cardiac fibroblasts. *The FASEB Journal* 2017 31:1_supplement, 1078.1-1078.1
7. El Hajj EC, El Hajj MC, **Ninh VK**, Mouton AJ, and Gardner JD. Cardioprotective Effects of Lysyl Oxidase Inhibition Against Adverse Extracellular Matrix Remodeling and Cardiomyocyte Apoptosis. *The FASEB Journal* 2017 31:1_supplement, 881.5-881.5
8. Mouton AJ, **Ninh VK**, El Hajj EC, El Hajj MC, Gilpin NW, Gardner JD. Alcohol Blocks Compensatory Collagen Remodeling During Both Acute and Chronic Volume Overload. Research Society on Alcoholism; *Alcoholism: Clinical and Experimental Research* 2016 40: S1, 16A-247A
9. **Ninh VK**, El Hajj EC, El Hajj MC, Mouton AJ, and Gardner JD. Lysyl oxidase Inhibition alleviates fibrosis and dysfunction in rodents with established cardiac disease. *The FASEB Journal* 2016 30:1_supplement, 1205.7-1205.7
10. Mouton, AJ, **Ninh VK**, El Hajj EC, El Hajj EC, Gilpin NW, and Gardner JD. Chronic Alcohol exposure attenuates compensatory hypertrophy and remodeling and accelerates cardiac dysfunction in a rat model of volume overload. *The FASEB Journal* 2016 30:1_supplement, 1205.5-1205.5

Professional Presentations

Poster

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| 2018 | American Heart Association: Basic Cardiovascular Sciences Scientific Sessions Conference in San Antonio, TX |
| | American Physiological Society at Experimental Biology Conference in San Diego, CA |
| | Research Society on Alcoholism Conference in San Diego, CA |
| 2017 | Research Society on Alcoholism Conference in Denver, CO |



American Physiological Society at Experimental Biology Conference in Chicago, IL

Gordon Research Society at Gordon Research Conference: Alcohol and End-Organ Disease in Ventura, CA

2016 American Physiological Society at Experimental Biology Conference in San Diego, CA

Oral

2018 "In Utero Ethanol Exposure Alters the Collagen Profile in Neonatal Mice Hearts and Leads to Cardiac Dysfunction." LSUHSC Alcohol and Drug Abuse Center of Excellence retreat

2016 "Effects of NOX4-derived oxidative stress and Notch1 dysregulation on cardiac fibroblasts in Prenatal Alcohol Exposure." LSUHSC Graduate Student Research Day

"Abnormal Cardiac Development in Fetal Alcohol Syndrome is Mediated by NOX4." LSUHSC Department of Physiology: Perspectives on Alcohol Research

2015 "Animal Models of Alcohol Administration LSUHSC Department of Physiology: Perspectives on Alcohol Research

Grant Submissions and Funding

2016 American Heart Association: Association-Wide Research Program Summer 2016 Predoctoral Fellowship resubmission – "Effects of NOX4-derived oxidative stress and Notch1 dysregulation on cardiac development in Fetal Alcohol Syndrome – 22.31 percentile, 1.66 priority score – Not funded (payline percentile rank 18.37)

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31) – "Abnormal Cardiac Development in Fetal Alcohol Syndrome is Mediated by NOX4" - Not funded

American Heart Association, Greater Southeast Affiliate: Winter 2016 Predoctoral Fellowship – "Effects of NOX4-derived oxidative stress and Notch1 dysregulation on cardiac development in Fetal Alcohol Syndrome" - Not funded, resubmitted

2015 NIH/NIAAA 5-T32-AA007577-14. July 1, 2015-June 30, 2018. "Biomedical Alcohol Research Training Program." PI: Patricia E. Molina, MD/PhD. Role: Trainee

Honors and Awards

2018 Student Merit Travel Award, Research Society on Alcoholism

2017 Student Merit Travel Award, Research Society on Alcoholism

Graduate Student Travel Award, Gordon Research Society

2016 LSUHSC Department of Physiology Paul S. Roheim Award for Graduate Student Excellence in Research

3 Minute Thesis: 3rd place. LSUHSC-NO Graduate Research Day

Caroline tum Suden/Frances Hellebrandt Professional Opportunity Awards, American Physiological Society

Young Investigator Award, Society for Experimental Biology and Medicine

Research Recognition Award for Cardiovascular Section, American Physiological Society Cardiovascular Section

Committee Service and Community Outreach

2018 Association for Women in Science sponsored event: Sci-Fly Speed Mentoring for High School and Undergraduate Student Summer Researchers at LSUHSC

2017 NO/AIDS Walk: Table set up for LSUHSC-NO representation

Association for Women in Science sponsored event: Sci-Fly Speed Mentoring for High School and Undergraduate Student Summer Researchers at LSUHSC

Greater New Orleans Science and Engineering Fair. University of New Orleans. New Orleans, LA. Judge for regional high school science fair

2016 Association for Women in Science sponsored event: Sci-Fly Speed Mentoring for High School and Undergraduate Student Summer Researchers at LSUHSC

Graduate student committee for Spitzer Award Lecture: Invited and Coordinated Dr. Mark Sussman's visit

Heart Wellness Fair – Association of Women in Science. LSUHSC. New Orleans, LA

2015 Association for Women in Science sponsored event: Sci-Fly Speed Mentoring for High School and Undergraduate Student Summer Researchers at LSUHSC

American Physiological Society PhUN Week. Fontainebleau High School. Mandeville, LA. Exercise Physiology

Alcohol Addiction Recovery Rally. Xavier University. New Orleans, LA

2014 Alcohol Addiction Recovery Rally. Xavier University. New Orleans, LA

American Physiological Society PhUN Week. Fontainebleau High School. Mandeville, LA. Exercise Physiology

2013 Class volunteer. Abney Elementary School. Slidell, LA. Assisted with class activities with 2nd graders

Teaching Experience and Responsibilities

- 2018 LSUHSC-NO Course HLSC 3410, School of Nursing. Cardiovascular Block. "Echocardiography: Arrhythmias" – 2 lecture hours
- LSUHSC-NO Course HLSC 2410, School of Nursing. Biocommunications Block – "Autonomic Nervous System" – 2 lecture hours
- LSUHSC-NO Summer Healthcare Professions Education Program, "Hands-On Lab: Measuring Your Classmates Blood Pressure Using Sphygmomanometry and Stethoscope" – 2 lab hours
- 2017 LSUHSC-NO Course HLSC 3410, School of Nursing. Cardiovascular Block. "Echocardiography: Arrhythmias" – 2 lecture hours
- LSUHSC-NO Summer Healthcare Professions Education Program, "Hands-On Lab: Measuring Your Classmates Blood Pressure Using Sphygmomanometry and Stethoscope" – 2 lab hours
- LSUHSC-NO Course HLSC 3410, School of Nursing. "Physiology of Stress" – 2 lecture hours
- LSUHSC-NO Course HLSC 2410, School of Nursing. Appointed Class tutor – 37 hours – Course evaluation score: 3.9/4.0
- LSUHSC-NO Course HLSC 2410, School of Nursing. Biocommunications Block – "Autonomic Nervous System" – 2 lecture hours
- 2016 LSUHSC-NO Course HLSC 2410, School of Nursing. Appointed Class Tutor – 30 hours - Course evaluation score: 3.9/4.0
- LSUHSC-NO Course HLSC 2410, School of Nursing. Biocommunications Block – "Autonomic Nervous System" – 1 lecture hour
- LSUHSC-NO Course DHY 3202, School of Dentistry: General and Oral Physiology. Cardiovascular Physiology Block – 3 lecture hours
- LSUHSC-NO Course 2410, School of Nursing. Electrocardiography Hands-On Lab – 4 lab hours
- 2015 McKenzie Kay. Mentored Summer Research Intern from the Louisiana Biomedical Research Network. Poster: "Nicotine Suppresses Gingival Fibroblast Collagen Production, Proliferation, and Function."