



## **CURRICULUM VITAE**

**Elizabeth C. Delery, Ph.D.**

**Current Title:** Postdoctoral Fellow, Department of Physiology

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### **Education:**

**Undergraduate:** Randolph College, Lynchburg, VA (2010-2014)  
B.S. Biology & Psychology, Pre-med concentration, 2014

**Graduate:** Tulane University School of Medicine, New Orleans, LA (2014-2019)  
Ph.D. Biomedical Sciences, 2019

**Postdoctoral:** Louisiana State University Health Sciences Center, New Orleans, LA (2019-Present)  
Department of Physiology

### **Certifications and Credentials:**

2009-2011	CPR/AED & First Aid- American Red Cross of the National Capital Area
2010-2014	Virginia EMT-B state license- VAEMS
2011-2013	CPR/AED for the Professional Rescuer & Healthcare Provider- American Red Cross of the National Capital Area
2013-Present	College Reading & Learning Association Level 1 Tutor Accreditation
2015-Present	Working with Non-Human Primates in Research Settings, & Responsible Conduct of Research- CITI Program
2016-Present	Working with the IACUC for Investigators, Staff, & Students- CITI Program
2016-Present	Personal Protective Equipment-Basics, Bloodborne Pathogens, Hazard Communication, & Hazardous Material Spills- Tulane University Office of Environmental Health & Safety
2016-Present	IATA/DOT Shipping of Dangerous Goods. Tested per 49 CFR 172.700/IATA 1.5
2018-Present	Adult CPR & AED- American Heart Association
2019-Present	Defensive Driver Training- The Division of Administration and Office of Risk Management, LSUHSC

2019-Present	Bloodborne Pathogen Training- High Risk, Conflicts of Interest in Research- LSUHSC Office of Compliance Programs
2019-Present	Tri-annual Occupational Health & Safety Program, Orientation & Barrier Training, Aseptic Surgery, Anesthesia- LSUHSC Department of Animal Care
2019- Present	Conflicts of Interest, Working with Animals in Biomedical Research, Refresher Course- CITI Program

**Academic, Professional, and Research Appointments:**

2009-2013	Nirschl Orthopaedic Center Arlington, VA	Intern, Administrative Assistant
2011-2014	Learning Resources Center Randolph College Lynchburg, VA	Subject Matter & Learning Strategies Tutor
2012-2013	Biology Department Randolph College Lynchburg, VA	Undergraduate Student Researcher
2012-2014	Psychology Department Randolph College Lynchburg, VA	Department Assistant
2013	Summer Research Program Randolph College Lynchburg, VA	Summer Research Assistant
2014-2015	Biomedical Sciences PhD Program Tulane University School of Medicine New Orleans, LA	Graduate Research Assistant Chrisey Lab, Han Lab
2014-2016	Department of Cell & Molecular Biology Tulane University New Orleans, LA	Graduate Teaching Assistant
2015-2017	Division of Immunology Tulane National Primate Research Center Covington, LA	Graduate Research Assistant Kuroda Lab
2017-2019	Division of Comparative Pathology Tulane National Primate Research Center Covington, LA	Graduate Research Assistant MacLean Lab
2019-Present	Department of Physiology School of Medicine LSU Health Sciences Center New Orleans, LA	Postdoctoral Fellow Edwards Lab

**Membership in Professional Organizations:**

2012-Present	Psi Chi International Honor Society in Psychology, Vice President Randolph College Chapter (2013-2014)
2013-Present	Beta Beta Beta Biological Honor Society, President Randolph College Chapter (2013-2014)
2014-2015	Virginia Psychological Association (VPA).
2014-2016	American Chemical Society (ACS)
2014-2017	Biomedical Sciences Student Association, Tulane Biomedical Sciences PhD Program
2014-Present	American Association for the Advancement of Science (AAAS)
2014-2018	USA Rugby
2017-Present	Citizens Organization for Police Support 2 (COPS2), Board Member (2019-present)
2018-Present	American Society for Microbiology
2018-Present	Women in Science & Engineering (WiSE), Tulane Chapter
2019-Present	Postdoctoral Association, LSUHSC, Welcome Chair (present)
2019-Present	Association for Women in Science – Southern Louisiana Chapter

**Awards and Honors:**

2010-2014	Presidential Gottwald Scholarship, Randolph College
2010	Jerome Evenson Scholarship, Arlington Community Foundation
2010-2014	Virginia Tuition Assistance Grant (VTAG), State Council of Higher Education for Virginia (SCHEV)
2011	Dean's List, Randolph College
2012	Goldwater Scholarship Nominee, Randolph College
2013	"Best Short Paper Award," Randolph College Writing Board
2014	Best Senior Project in Psychology, Randolph College Psychology Department
2014	Dean's List, Randolph College
2016	Best Poster, Tulane Biomedical Sciences PhD Program Annual Retreat
2019	Gibco Cell Culture Hero

**TEACHING EXPERIENCE AND RESPONSIBILITIES****Formal Course Responsibilities:**Teaching Assistantships

<b>Semester</b>	<b>Course</b>	<b>Number of Students</b>
Fall 2014	General Biology Lab 2115-02	18
Spring 2015	Heredity and Society Lab 1035-03	21
Fall 2015	General Biology Lab 2115-01	18
Spring 2016	Cell Biology Laboratory 3755-03	13

Guest Lectures

<b>Semester</b>	<b>Course</b>	<b>Topic</b>
Fall 2019	Pathophysiology/Nursing Pathophysiology	Spinal Cord Injuries
Fall 2019	Perspectives on Alcohol Research	Mental Health in STEM

## RESEARCH AND SCHOLARSHIP

### Grants and Contracts:

#### ACTIVE:

R01 AA025996 (Edwards)

07/01/2019-06/30/2020

NIH/NIAAA

\$330,750

*Vasopressin signaling in pain and alcohol dependence*

The goal is to understand how vasopressin and glucocorticoid signaling contributes to hyperalgesia in alcohol use disorders

Role: Postdoctoral Trainee

#### PENDING:

R01 Research Project Grant (RFA-DA-19-039) (Molina)

09/01/2019-

NIH/NIDA

*Integrative investigation of the NLRP3 inflammasome in the neuropathology of chronic opioid use and HIV*

Role: Postdoctoral Trainee

#### COMPLETED:

Undergraduate Science Research Fellowship

05/01/2013-09/30/2013

Virginia Foundation for Independent Colleges (VFIC)

\$2,000

*Evaluation of compost conditions on Listeria innocua survival and growth*

The goal was to investigate bacterial composition and pH on the survival of *L. innocua* in soil to determine ways to prevent *L. monocytogenes* contamination of the food supply

Role: Co-Investigator, but only scholarship recipient

### Publications:

#### **Journal Articles:**

1. **Delery, E.** (2013). Becoming the woman in the wallpaper. *Randolph College The Jack: Journal of Academic Writing*, 4, 5-7.
2. **Delery, EC**, and MacLean, AG (2019). Chronic viral neuroinflammation: Speculation on underlying mechanisms. *Viral Immunology*, 32 (1).
3. **Delery, EC**, Bohannon, DG, Irons, DL, Allers, C, Sugimoto, C, Cai, Y, Merino, KM, Amedee, AM, Veazey, RS, MacLean, AG, Muroda, MJ, and Kim, W-K. (2019). Lack of susceptibility in neonatally infected rhesus macaques to simian immunodeficiency virus-induced encephalitis. *Journal of Neurovirology*, 1-11.

#### **Manuscripts Pending:**

1. **Delery, EC**, and MacLean, AG (2019). Culture model for non-human primate choroid plexus. *Frontiers in Cellular Neuroscience: Non-Neuronal Cells* (in revision).
2. **Delery, EC**, Irons, DL, Allers, C, Veazey, RS, Kuroda, MJ, MacLean, AG, & Kim, W-K (2019). SIV infection induces myeloid cell recruitment to the choroid plexus. (Pending submission).

#### **Peer-Reviewed Abstracts (poster presentation unless noted):**

1. **Delery, EC**, Demeke, M, and Houlihan, AD (October 2013). Evaluation of compost conditions on *Listeria innocua* survival and growth. Mid-Atlantic Regional Conference of Undergraduate Scholarship (MARCUS), Sweet Briar, VA. \*Oral Presentation
2. **Delery, EC**, Demeke, M, and Houlihan, AD. (April 2014). Evaluation of compost conditions on *Listeria innocua* survival and growth. 6<sup>th</sup> Annual Randolph College Symposium of Artists and Scholars, Lynchburg, VA.

3. **Delery, EC**, Demeke, M, and Houlihan, AD. (April 2014). Evaluation of compost conditions on *Listeria innocua* survival and growth. 68<sup>th</sup> Eastern Colleges Science Conference, Poughkeepsie, NY. \*Oral Presentation
4. **Delery, EC**, and Mule, B. (April 2014). The effect of meditation on the cortisol stress response. Virginia Psychological Association Annual Meeting, Virginia Beach, VA. \*Oral Presentation
5. Kuroda, MJ, Takahashi, N, Merino, K, Petkov, DI, Fahlberg, M, He, Z, **Delery, EC**, Allers, C, Didier, PJ, Liu, X, Kim, W-K, and Didier, ES. (October 2016). Evidence that long-lived macrophages are an important reservoir in the rhesus macaque model of AIDS. 34<sup>th</sup> Annual Symposium on Nonhuman Primate Model for AIDS, New Orleans, LA. \*Oral Presentation
6. Filipowics, A, **Delery, EC**, Kuroda, MJ, and Kim, W-K. (October 2016). Differences between pediatric and adult rhesus macaques in CNS myeloid cell populations during SIV infection. 34<sup>th</sup> Annual Symposium on Nonhuman Primate Model for AIDS, New Orleans, LA.
7. **Delery, EC**, Filipowics, A, Blair, R, Walker, E, Allers, C, Kuroda, MJ, and Kim, W-K. (October 2016). Lower rate of SIV-Encephalitis (SIVE) in pediatric compared to adult rhesus macaques with SIV infection. 34<sup>th</sup> Annual Symposium on Nonhuman Primate Model for AIDS, New Orleans, LA.
8. **Delery, EC**, Filipowics, A, Blair, R, Walker, E, Allers, C, Kuroda, MJ, and Kim, W-K. (October 2016). Lower rate of SIV-Encephalitis (SIVE) in pediatric compared to adult rhesus macaques with SIV infection. Tulane Biomedical Sciences Annual Retreat, New Orleans, LA.
9. **Delery, EC**, Filipowicz, A, Allers, C, Blair, R, Walker, E, Didier, ES, Kuroda, MJ, and Kim, W-K. (February 2017). Lower rate of SIV-encephalitis (SIVE) in pediatric compared to adult rhesus macaques with SIV infection. Tulane University Health Science Research Days, New Orleans, LA.
10. **Delery, EC**, Irons, DL, Cai, Y, Sugimoto, C, Merino, K, Amedee, A, Allers, C, Didier, ES, MacLean, AG, Kuroda, MJ, Kim, W-K. (October 2017). Characterization of choroid plexus monocytes and macrophages in pediatric and adult rhesus macaques. Tulane Biomedical Sciences Annual Retreat, New Orleans, LA.
11. **Delery, EC**, Irons, DL, Merino, K, Sugimoto, C, Cai, Y, MacLean, AG, Kuroda, MJ, and Kim, W-K. (February 2018). Choroid plexus as a target of SIV-infected perivascular macrophages. Tulane University Health Science Research Days, New Orleans, LA.
12. Peterson, T, Williams, J, **Delery, EC**, and MacLean, AG. (April 2018). Coming unglued: Vital roles for astrocytes in disease and return to health. Joint Meeting for the International Society for NeuroVirology (ISNV) and the Society on Neuroimmune Pharmacology (SNIP), Chicago, IL.
13. **Delery, EC**, Irons, DL, Merino, K, Sugimoto, C, Cai, Y, MacLean, AG, Kuroda, MJ, Kim, W-K. (June 2018). Extreme turnover of macrophages in choroid plexus during SIV infection. Keystone Symposia New Frontiers in Neuroinflammation: What Happens When CNS and Periphery Meet? Keystone, CO.
14. **Delery, EC**. (August 2018). Choroid plexus in AIDS pathogenesis using the SIV/Macaque Animal Model. Tulane National Primate Research Center In-House Seminar Series, Covington, LA. \*Oral Presentation
15. **Delery, EC**. (October 2018). Choroid plexus in AIDS pathogenesis. Tulane Biomedical Sciences Annual Retreat, New Orleans, LA. \*Oral Presentation
16. **Delery, EC**. (November 2018). Choroid plexus in AIDS pathogenesis. American Society for Microbiology South Central Branch Meeting, Jackson, MS. \*Oral Presentation

**Invited Presentations and Seminars:**

1. "Choroid plexus epithelial cell 2D & modified 3D cell culture model" Gibco Cell Culture Hero Seminar, July 31, 2019.
2. My journey in STEM. To be featured in HerSTEMStory Podcast Winter 2019.

**Journal Activities:****Guest Reviewer:**

2013-2014 Reviewer, *Apollon* (undergraduate e-journal)

**SERVICE ACTIVITIES****University/Institutional Service:**

2011-2012 Senator, Student Government, Randolph College, Lynchburg, VA  
2013-2014 Gold Key Guide, Admissions Department, Randolph College, Lynchburg, VA  
2012-2014 Peer Mentor, Dean of Students, Randolph College, Lynchburg, VA  
2013-2014 Co-Leader, Peer Mentor Program, Randolph College, Lynchburg, VA  
2014 Inauguration Ambassador, Dean of the College, Randolph College, Lynchburg, VA  
2014-2015 First-Year Representative, Tulane Biomedical Sciences Student Association, New Orleans, LA  
2014-2015 Committee Member, Career Development Committee, Tulane Biomedical Sciences Program, New Orleans, LA  
2014-2015 Adventures in Science Chair, Tulane Biomedical Sciences Student Association, New Orleans, LA  
2014-2015, Student Representative, Curriculum Committee, Tulane Biomedical Sciences Program, New Orleans, LA  
2015-2017 Social Chair, Tulane Biomedical Sciences Student Association, New Orleans, LA  
2016-2017 Third-Year Representative, Tulane Biomedical Sciences Student Association, New Orleans, LA  
Summer/Fall 2019 Organizing Co-Chair, Alcohol and Drug Abuse Center of Excellence (ADACE) Postdoctoral Seminar Series, LSUHSC, New Orleans, LA  
Summer/Fall 2019 Organizing Committee Member, Alcohol and Drug Abuse Center of Excellence (ADACE) Winter Retreat, LSUHSC, New Orleans, LA

**National Service:**

2010-2012 Volunteer, Circle K international – Randolph College Chapter, Lynchburg, VA  
2010-2012 Blood Drive Chair, American Red Cross & Circle K International –Randolph College Chapter, Lynchburg, VA  
2019-present Co-Organizer, "Out of the Darkness Walk," American Foundation for Suicide Prevention (AFSP), New Orleans, LA

**Community Service and Outreach Activities:**

2012-2014 Volunteer Scientist, Randolph College SciFest, Lynchburg, VA  
2014 Volunteer, Lynchburg Humane Society, Lynchburg, VA  
2015-Present Medical Team Volunteer, Animal Rescue New Orleans, New Orleans, LA  
2016 Volunteer Scientist, STEM Night Mildred Osborne Charter School, New Orleans, LA  
2018, 2019 Volunteer, COPS2 Mardi Gras Breakfast for NOPD 2<sup>nd</sup> District  
2018 Volunteer, New Orleans 9/11 Memorial Stair Climb