

**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 (CRLA) 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

2019-Present The Out Alliance Safe Zone certification through LSUHSC

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

2009-2013 Nirschl Orthopaedic Center Intern, Administrative

 Arlington, VA Assistant

2011-2014 Learning Resources Center Subject Matter & Learning

 Randolph College Strategies Tutor

 Lynchburg, VA

2012-2013 Biology Department Undergraduate Student Randolph College Researcher

 Lynchburg, VA

2012-2014 Psychology Department Department Assistant

 Randolph College

 Lynchburg, VA

2013 Summer Research Program Summer Research Assistant

 Randolph College

 Lynchburg, VA

2014-2015 Biomedical Sciences PhD Program Graduate Research Assistant

Tulane University School of Medicine Chrisey Lab, Han Lab

New Orleans, LA

2014-2016 Department of Cell & Molecular Biology Graduate Teaching Assistant

 Tulane University

 New Orleans, LA

2015-2017 Division of Immunology Graduate Research Assistant

 Tulane National Primate Research Center Kuroda Lab

 Covington, LA

2017-2019 Division of Comparative Pathology Graduate Research Assistant

 Tulane National Primate Research Center MacLean Lab

 Covington, LA

2019-Present Department of Physiology NIAAA T32 Postdoctoral

 School of Medicine Fellow

 LSU Health Sciences Center Edwards Lab

 New Orleans, LA

**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 (BMSSA), 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

2019-Present Research Society on Alcoholism (RSA)

2019-Present American Physiological Society (APS)

2019-Present National Postdoctoral Association (NPA)

2019-Present Alcohol & Drug Abuse Center of Excellence (ADACE), LSUHSC

**Professional Development:**

2019 Postdoctoral Committee, Dept. of Physiology, LSUHSC

*Includes bi-annual topic meetings to discuss research progress, professional goals, and personal development, with meetings with faculty (Drs. Molina, Gilpin, & Edwards).*

2019 Dr. Robert Carroll Teaching Workshop, Dept. of Physiology, LSUHSC

*Two-day workshop on medical education, lecture strategy, creating the perfect learning environment, writing effective designing and evaluating multiple choice questions supported by Bloom’s taxonomy, Knowle’s theory of andragogy, and the National Board of Medical Examiners.*

2019 Mock Study Section, Louisiana Clinical & Translation Science Center (LA-CaTS)

*A mock NIH Study Section where we reviewed either a K or an R type grant in advance, then participated in a study section of those grants with Dr. Paula Gregory & other doctors & grants administrators from the New Orleans area.*

2020 Leadership Series Training: Communication, LSUHSC

*LSUHSC provided a three-hour workshop on how to handle “crucial conversations” in order to be a more effective leader, co-worker, employee, and even professor by learning how to increase the quality of your dialogues and conversations. This included preparing for high stakes and stressful situations, creating powerful dialogue, and creating a safe space for effective leadership and solutions.*

2020 Leadership Series Training: Trust, LSUHSC

*LSUHSC provided a two-hour workshop on trust in the workplace to analyze how trust affects organizations including speed & cost. This included defining the three waves of earning trust, defining & illustrating credibility, and identifying the thirteen behaviors that create workplace relationship trust.*

**Awards and Honors:**

2010-2014 Presidential Gottwald Scholarship (full tuition), 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 Dept.

2014 Dean’s List, Randolph College

2016 Best Poster, Tulane Biomedical Sciences PhD Program Annual Retreat

2019 Gibco/ThermoFisher “Cell Culture Hero”

**Teaching Experience and Responsibilities**

Teaching Assistantships

**Semester** **Course** **Number of Students**

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

**Semester Course**  **Topic**

Fall 2019 Pathophysiology/Nursing Pathophysiology Spinal Cord Injuries

Winter 2019 Pathophysiology/Nursing Pathophysiology Hematopoietic Function I

Winter 2019 Pathophysiology/Nursing Pathophysiology Hematopoietic Function II

Winter 2019 Pathophysiology/Nursing Pathophysiology Spinal Cord Injuries

Spring 2020 Pathophysiology/Nursing Pathophysiology Cell Adaptations

Spring 2020 Pathophysiology/Nursing Pathophysiology Genetics

Spring 2020 Pathophysiology/Nursing Pathophysiology Hematopoietic Function I

Spring 2020 Pathophysiology/Nursing Pathophysiology Hematopoietic Function II

Spring 2020 Pathophysiology/Nursing Pathophysiology Spinal Cord Injuries

**Research & Scholarship:**

***Grants and Contracts:***

***ACTIVE:***

2T32 AA007577-21 (Molina) 09/22/1999-08/31/2024

NIH/NIAAA $316,306

*Biomedical Alcohol Research Training Program*

Role: T32 Postdoctoral Trainee

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

***SUBMITTED:***

Ruth L. Kirschstein NRSA Individual Postdoctoral Fellowship 12/09/2019 Score: 42

NIH/NIAAA

*Glucocorticoid Regulation of Pain in the Context of TBI and Alcohol Dependence*

Role: PI

Postdoctoral Fellowship Program (Letter of Intent) 04/14/2020

American Physiological Society

*Glucocorticoid Regulation of Pain in the Context of TBI and Alcohol Dependence*

Role: PI (Postdoctoral Fellow)

***NOT FUNDED:***

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 Neuroviology,* 1-11.
4. **Delery, EC**, and MacLean, AG (2019). Culture model for non-human primate choroid plexus. *Frontiers in Cellular Neuroscience: Non-Neuronal Cells*.

***Manuscripts Pending:***

1. **Delery, EC**, and Edwards, S. The role of neuropeptides and cytokines in drug-withdrawal hyperalgesia. Neuropharmacology. (In revision, April 2020)
2. **Delery, EC,** Irons, DL, Allers, C, Veazey, RS, Kuroda, MJ, MacLean, AG, & Kim, W-K (2020). 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. 6th 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. 68th 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. 34th 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. 34th 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. 34th 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
17. **Delery, E,** Pahng, A, Stielper, Z, Fucich, E, Gilpin, N, Edwards, S, & Molina, P. (June 2020). Hyperalgesia and neuroadaptations in glucocorticoid signaling in the context of traumatic brain injury and alcohol dependence. 43rd Annual Research Society on Alcoholism Scientific Meeting, New Orleans, LA.

***Invited Presentations and Seminars:***

1. “Choroid plexus epithelial cell 2D & modified 3D cell culture model” Gibco Cell Culture Hero Webinar through LabRoots, July 31, 2019.
2. “Mental Health in STEM” LSU Health Science’s Center Perspectives on Alcohol Research Seminar & Developmental Training Series, September 19, 2019
3. My journey in STEM. Featured in HerSTEMStory Podcast December 18, 2019.
4. “Gibco Cell Culture Heroes: Work from Home Edition” Gibco Cell Culture Webinar through LabRoots, April 14, 2020.

**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

2016-2017 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

2019 LSUHSC ADACE Representative, ADACE Outreach Xavier University’s Recovery Awareness Day, Xavier University, New Orleans, LA

2019 LSUHSC Alcohol- HIV/AIDS Research Center Representative, Outreach Event, Chevron’s “Walk to End HIV” Event

2019 Guest Judge, Graduate Research Days, LSUHSC, New Orleans, LA

***National Service:***

2010-2012Volunteer, 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 Volunteer, New Orleans 9/11 Memorial Stair Climb

2018, 2019 Volunteer, COPS2 Mardi Gras Breakfast for NOPD 2nd District

2018-Present Science Communication, Instagram @phdelery, impact 2.5k people

2019-Present Co-organizer of account takeovers on Instagram page, @women.doing.science, impact 56.7k people

2019-Present Treasurer, COPS2 501(c)3 non-profit

2020 Judge, Greater New Orleans Science & Engineering Fair, New Orleans, LA