Taylor J. Templeton, Ph.D.

1040 Hesper Avenue
Metairie, LA 70005
(858) 210-9881
taylor1templeton@gmail.com
www.taylortempleton.com
https://www.linkedin.com/in/taylortempleton/

Education

Louisiana State University Health Sciences Center, New Orleans, LA — 2017 – 2023
Doctor of Philosophy in Physiology
Graduation: August 2023

University of California Santa Barbara — 2011 – 2016
Bachelor of Science in Biopsychology

Research Experience

Graduate Research Assistant, Louisiana State University Health Sciences Center — 2018 – 2023
New Orleans, LA
Ph.D. candidate
Advisor: Nicholas W Gilpin, Ph.D.

Undergraduate Research Assistant, University of California, Santa Barbara — 2015 – 2016
Santa Barbara, CA
Advisor: Karen K Szumlinski, Ph.D.

Undergraduate Research Assistant, University of California, Santa Barbara — 2014 – 2016
Santa Barbara, CA
Advisor: Jonathan Schooler, Ph.D.

Publications

1. **Templeton-Jager T.J.**, Diarra S., Gilpin N.W. (2023). Sex differences in cocaine self-administration by Wistar rats after predator odor exposure. *Advances in Drug and Alcohol Research.* https://doi.org/10.3389/adar.2023.11245

2. Avegno E.M., Kasten C.R., Synder W.B., Kelley L.K., Lobell T.D., **Templeton T.J.**, Constans M., Wills T.A., Middleton J.W., Gilpin N.W. (2020) Alcohol dependence activates ventral tegmental area projections to central amygdala in male mice and rats. *Addiction Biology.* https://doi.org/10.1111/adb.12990

3. Shin C.B., **Templeton T.J.**, Chiu A.S., Kim J., Gable E.S., Vieira P.A., Kippin T.E., Szumlinski K.K. (2018). Endogenous glutamate within the prelimbic and infralimbic cortices regulates the incubation of cocaine-seeking in rats. *Neuropharmacology*. https://doi.org/10.1016/j.neuropharm.2017.10.024

Manuscripts in Preparation

1. **Templeton-Jager T.J.**, Diarra S., Kelley, L., Gilpin N.W. (2023). Systemic bupropion attenuates cocaine self-administration in male and female rats. *Journal of Pharmacology and Experimental Therapeutics*.

Poster Presentations

1. **Templeton, T.J.**, Gilpin, N.W. (2021) Predator odor stress exposure produces sex-specific effects on cocaine self-administration in rats. Poster presented at Society for Neuroscience, virtual format.

2. **Templeton, T.J.**, Weera M.M., Gilpin, N.W. (2019) Effects of central amygdala (CeA) corticotropin releasing factor (CRF) neuron activation & dorsal raphe (DRN) to CeA circuit activation on anxiety and aversion. Poster presented at Greater New Orleans Society for Neuroscience, New Orleans, LA.

3. **Templeton, T.J.**, Weera M.M., Gilpin, N.W. (2019) Effects of central amygdala (CeA) corticotropin releasing factor (CRF) neuron activation & dorsal raphe (DRN) to CeA circuit activation on anxiety and aversion. Poster presented at Society for Neuroscience, Chicago, IL.

4. **Templeton, T.J.**, Weera M.M., Gilpin, N.W. (2019) Effects of central amygdala (CeA) corticotropin releasing factor (CRF) neuron activation & dorsal raphe (DRN) to CeA circuit activation on anxiety and aversion. Poster presented at the LSUHSC Graduate Research Day, New Orleans, LA.

5. **Templeton, T.J.**, Gilpin, N.W. (2018) Selective activation of CRF neurons in the central amygdala reveals sex-dependent conditioned place aversion. Poster presented at the Greater New Orleans Society for Neuroscience, New Orleans, LA.

6. **Templeton, T.J.**, Gilpin, N.W. (2018) Selective activation of CRF neurons in the central amygdala reveals sex-dependent conditioned place aversion. Poster presented at the LSUHSC Graduate Research Day, New Orleans, LA.

7. Shin, C.B., **Templeton, T.J.**, Gable, E.S., Chiu, A.S., Kim, J., Kippin, T.E., & Szumlinski, K.K. (2016) Manipulation of extracellular glutamate in the prelimbic and infralimbic cortices during the incubation of cocaine-craving. Poster presented at the Annual Society for Neuroscience Conference, San Diego, CA.

Published Abstracts

1. **Templeton, T.J.**, Gilpin, N.W. (2021) Predator odor stress exposure produces sex-specific effects on cocaine self-administration in rats. Poster presented at Society for Neuroscience, virtual format.

2. **Templeton, T.J.**, Weera M.M., Gilpin, N.W. (2019) Effects of central amygdala (CeA) corticotropin releasing factor (CRF) neuron activation & dorsal raphe (DRN) to CeA circuit activation on anxiety and aversion. Poster presented at Society for Neuroscience, Chicago, IL.

3. Shin, C.B., **Templeton, T.J.**, Gable, E.S., Chiu, A.S., Kim, J., Kippin, T.E., & Szumlinski, K.K. (2016) Manipulation of extracellular glutamate in the prelimbic and infralimbic

cortices during the incubation of cocaine-craving. Poster presented at the Annual Society for Neuroscience Conference, San Diego, CA.

4. Shin, C.B., **Templeton, T.J.**, Gable, E.S., Chiu, A.S., Kippin, T.E., & Szumlinski, K.K. (2016) Manipulation of endogenous glutamate in the vmPFC during the incubation of cocaine-craving. Poster presented at the Addicted Brain and New Treatment Frontiers: Sixth Annual Aspen Brain Forum Conference, New York City, NY.

5. Shin, C.B., **Templeton, T.J.**, Gable, E.S., Chiu, A.S., Kippin, T.E., & Szumlinski, K.K. (2016) Protracted withdrawal from chronic cocaine: a role for mGlu2/3 receptors in the vmPFC. Poster presented at Experimental Biology Conference, San Diego, CA.

Invited Scientific Talks

Sex Differences in Cocaine Self-Administration — 2023
Department of Physiology
LSUHSC-NO

Bupropion dose-dependently decreases long-access cocaine self-administration in male and female rats — 2022
Alcohol and Drug Abuse Center of Excellence
LSUHSC-NO

Predator odor stress effects on cocaine self-administration in adult male and female Wistar rats — 2021
Alcohol and Drug Abuse Center of Excellence
LSUHSC-NO

Stress-induced cocaine self-administration in male and female rats — 2021
Graduate Student Research Day
School of Graduate Studies
LSUHSC-NO

Selective activation of CRF neurons in the central amygdala reveals sex-dependent conditioned place aversion — 2018
Graduate Student Research Day
School of Graduate Studies
LSUHSC-NO

Awards and Honors

Graduate Research Day Presenter Award — 2021
LSUHSC School of Graduate Studies
New Orleans, LA

Trainee Professional Development Award — 2021
Society for Neuroscience
Washington DC, USA

Michael G. Levitzky, PhD Excellence in Teaching Award — 2021
LSUHSC Department of Physiology
New Orleans, LA

Outstanding Young Scientist Travel Award 2021
Association for Women in Science
Southern Louisiana Chapter
New Orleans, LA

Dean's List 2014 – 2016
College of Letters and Science
University of California, Santa Barbara
Goleta, CA

Dean's List 2014
Grossmont Community College
La Mesa, CA

Outstanding Student: Organic Chemistry 2014
Bridges to the Baccalaureate Summer Research Initiative
San Diego State University
La Mesa, CA

Funding

Central Amygdala Neuropeptides Mediate Stress Effects on Cocaine Self-Administration
1F31DA053726-01
P.I. Taylor Templeton
Sponsor: Nicholas Gilpin Ph.D.
Status: not funded

The role of dorsal raphe projections to amygdala in post-stress escalation of alcohol drinking
1F31AA027940-01A1
P.I. Taylor Templeton
Sponsor: Nicholas Gilpin Ph.D.
Status: not funded

Professional Affiliations and Memberships

International Association of Medical Science Educators 2021 – Present
Research Society on Alcoholism 2018 – 2020
American Physiology Society 2018 – 2023
Association for Women in Science, Southern Louisiana Chapter 2017 – 2023
Society for Neuroscience 2016 –2022

Teaching

Lecture: Sex and Gender Differences in Drug Use 2022
Course: Sex, Gender, and the Brain
Tulane University, Department of Neuroscience

Lecture: Cell Adaptation and Stress 2021 – 2023
Course: Nursing Pathophysiology
LSUHSC-NO, School of Nursing

Lecture: Bone and Calcium Regulation 2020 – 2023
Program: Dental Hygiene Physiology
LSUHSC-NO, School of Dentistry

Lecture: Pathophysiology of Stress 2019 – 2023
Course: Nursing Pathophysiology
LSUHSC-NO, School of Nursing

Class Tutoring 2020
Course: Nursing Physiology
Title: Course Tutor
LSUHSC-NO, School of Nursing

Private Tutoring
Biosystems: LSUHSC, School of Allied Health 2021 & 2023
Human Physiology: LSUHSC, School of Nursing 2021
Organic Chemistry 3: UC Santa Barbara, College of Letters and Science 2016
Mathematics for K-12 primary education: Mathnasium, CA 2011

Mentorship

Siga Diarra 2021
Undergraduate Research Assistant
LSUHSC-NO

Career Development Courses

Statistical Analysis using Prism 2022
LSUHSC-NO
Department of Physiology
Perspectives in Alcohol Research

Ethics in Publishing 2022
LSUHSC-NO
Department of Physiology
Perspectives in Alcohol Research

Perspectives Against Racism 2020
LSUHSC-NO
Department of Physiology
Summer Ethics Series

Creating an Inclusive Environment in the Laboratory 2020
LSUHSC-NO, School of Medicine
Office of Diversity and Community Engagement
Workshop

Adapting to Change 2020
LSUHSC-NO
Campus Assistance Program

Women in Science: How to Assist Women in Science 2020

Gordon Research Conference: Alcohol Annual 2020 meeting
Workshop

Becoming a Resilient Scientist 2020
NIH
Office of Intramural Training and Education

Negotiating Offers and Making the Transition: Academia 2020
NIH
Office of Intramural Training and Education

Negotiating Offers and Making the Transition: Industry 2020
NIH
Office of Intramural Training and Education

Publishing with Integrity and Transparency 2020
LSUHSC-NO
Department of Physiology

Deconstructing Implicit Biases in the Workplace 2019
LSUHSC-NO
Department of Physiology, Perspectives in Alcohol Research: Ethics Series

Women in Science Luncheon: Networking as a Woman in Science 2019
Society for Neuroscience annual 2019 meeting
Workshop

Strategic Career Planning as a Woman in Science 2019
LSUHSC-NO
Association for Women in Science

10 Rules of Work/Life Negotiation 2019
LSUHSC-NO
Association for Women in Science

Steps to a Fulfilling Career in Science 2019
LSUHSC-NO
Department of Physiology, Spitzer Award Seminar

Safe Zone Training 2016
UC Santa Barbara
Student Resource Center for Gender and Sexual Diversity

Making the Transition to Graduate School in STEM 2015
UC Santa Barbara
Student Resource Center for Gender and Sexual Diversity

Bridges to the Baccalaureate Summer Research Initiative 2014
San Diego State University
Advisor: Maureen Gibbins-Paolini, Ph.D.

Professional Service

Panelist on the Mt. SAC STEM Career Workshop 2022
Mt. San Antonio College Completion Center & Counseling Department
Walnut California

- Expose students to careers and majors within the STEM field.
- The panel focuses on working professionals who have navigated from community college and/or four-year colleges to their current professions.

Founder of the Interprofessional Disability Advocacy Club 2022
LSUHSC-NO School of Graduate Studies

- The purpose of IDAC is to create an on-campus organization open to all LSUHSC students and trainees with or without a disability who are interested in promoting the visibility, rights, and retention of students with various forms of disabilities.

Disabilities in graduate school: disparities on the path to higher education 2021
Student Government Association
LSUHSC-NO School of Graduate Studies
Invited talk

Recruitment to the LSUHSC P.R.E.P. and E.N.D.U.R.E. programs 2021

- Advertise and promote two research programs at LSUHSC designed to enhance diversity in research, encourage undergraduate students to pursue doctorate education, and highlight opportunities for students to gain post-baccalaureate training
- Disseminate program information and utilize recruitment tools and pamphlets to increase visibility of the research programs

Judge for the LSUHSC virtual summer research program poster session 2021
LSUHSC-NO School of Graduate Studies

- Reviewed students' posters, abstracts, and virtual presentations
- Interviewed students regarding their project
- Judged poster session and provided feedback to students

Anti-racism 2020
Perspectives Against Racism: Ethics Series
LSUHSC-NO Department of Physiology
Invited talk

Student Government Association President 2019 – 2020
LSUHSC-NO School of Graduate Studies

- Organized student government meetings and agendas
- Communicated student concerns to administrative parties
- Worked with administrators and faculty to improve graduate student wellbeing
- Assisted with planning new student orientation
- Managed graduate student activities in coordination with campus clubs, other student government officers, and faculty
- Delegated student fees to provide students with a new poster printer
- Lead initiative to secure a graduate student ombudsperson
- Developed social media presence for organization to distribute pertinent information regarding upcoming events and current affairs on campus

Alcohol and Drug Abuse Center of Excellence (ADACE) Retreat planning committee 2019

- Assisted with planning the semiannual ADACE retreat
- Worked as a team with faculty to organize speakers and presentations
- Coordinated logistics of on-campus event planning

Student Government Representative: Department of Physiology 2018 – 2019
LSUHSC-NO School of Graduate Studies

- Participated in graduate student government meetings
- Organized annual social event for graduate students with colleagues

Sexual harassment in STEM and academia 2018
Perspectives in Alcohol Research: Ethics Series
LSUHSC-NO Department of Physiology
Invited talk

Alcohol and Drug Abuse Center of Excellence (ADACE) outreach 2018 – 2021

- Distribute information about alcohol use disorder and substance use disorders to members of LSUHSC and Xavier University
- Arrange tables, food, and informative literature

Campus Assistance Program Peer Advocate Liaison (PAL) 2017 – 2023
LSUHSC-NO

- Currently serving as the Graduate School PAL representative
- Assist students as needed identify mental health resources
- Refer students to on campus assistance programs for health and wellness

Volunteer Outreach

City Park clean up with LSUHSC Student Government Association 2019

- Mulched paths for walking in City Park

Association for Women in Science “B.I.G.” Girl Scout Science Outreach 2019

- Participated in the Girl Scout “Believe In Girls” outreach day
- Conducted demonstrations of science lab techniques to Girl Scouts ages 5-12 years old
- Instructed Girl Scouts as they performed featured techniques (i.e., pipetting demonstration, microscope use)

Department of Physiology community outreach with Habitat for Humanity 2019

- Assisted with housing construction through Habitat for Humanity
- Utilized building experience to further community outreach project with colleagues and members of the community

Association for Women in Science “SciFly” Speed Mentoring 2018

- Acted as a mentor to undergraduate and high school students in a speed mentoring design to answer questions about graduate school and assist them in determining their career path