



CURRICULUM VITAE
Nathan Michael Sharfman

Current Title: M.D./Ph.D. Student
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Education:

2011	Rhodes College Memphis, TN B.S. (Neuroscience)
2015	Tulane University New Orleans, LA M.S (Neuroscience) Mentor: Dr. Laura Schrader
2017 (current)	LSU Health Sciences Center New Orleans, LA M.D/Ph.D. Mentor: Nicholas Gilpin, Ph.D.

Certification:

USMLE: Step 1 pass

Academic, Professional, and Research Appointments

2016-2017	Research Associate Department of Cell Biology and Anatomy Mentor: Tiffany Wills, Ph.D. LSU Health Sciences Center
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Membership in Professional Organizations:

2017 – Present	Member, American Medical Association
2017 – Present	American Physician Scientist Association
2019 – Present	Institutional Representative, American Physician Scientist Association
2019 – Present	Member, Research Society on Alcoholism
2019 – Present	Member, American Physiological Society

Awards and Honors:

2011 – 2013:	Tennessee Hope Scholarship
2013 – 2014	Honor Roll: Fall and Spring Semester, Rhodes College, Memphis TN
2014	Dean's List: Fall Semester, Rhodes College, Memphis TN

2015
2015

Honor Roll: Spring Semester, Rhodes College, Memphis, TN
Nu Rho Psi, Neuroscience Honor Society, Rhodes College,
Memphis, TN

TEACHING EXPERIENCE AND RESPONSIBILITIES

2014-2015 Lab Teachers Assistant – Rhodes College

Roles: Helped with setting up and running labs in the intro Biology courses (BIO 131, BIO 141).

2019-2020: Tutor for Nursing Pathophysiology

Roles: Created in depth PowerPoints comprised of NCLEX based questions with explanations and relevant materials. Tutoring occurred weekly for the accelerated CARE and traditional nursing students at LSUHSC.

RESEARCH AND SCHOLARSHIP

Journal Publications: Referred

1. Paul S, **Sharfman N**. Functional connectivity as a means to delineate differences between treatment-resistant and treatment-responsive schizophrenia. *J Neurophysiol*. 2016;116(2):229-231. PMID: 26763784
2. Zhao Y, **Sharfman NM**, Jaber VR, Lukiw WJ. Down-Regulation of Essential Synaptic Components by GI-Tract Microbiome-Derived Lipopolysaccharide (LPS) in LPS-Treated Human Neuronal-Glial (HNG) Cells in Primary Culture: Relevance to Alzheimer's Disease (AD). *Front Cell Neurosci*. 2019;13:314. Published 2019 Jul 10. PMID: 31354434
3. Lukiw, W. J., Kruck, T., Percy, M. E., Pogue, A. I., Alexandrov, P. N., Walsh, W. J., Sharfman, N. M., Jaber, V. R., Zhao, Y., Li, W., Bergeron, C., Culicchia, F., Fang, Z., & McLachlan, D. (2019). Aluminum in neurological disease - a 36 year multicenter study. *Journal of Alzheimer's disease & Parkinsonism*, 8(6), 457. PMID: 3117916
4. Jaber VR, Zhao Y, **Sharfman NM**, Li W, Lukiw WJ. Addressing Alzheimer's Disease (AD) Neuropathology Using Anti-microRNA (AM) Strategies. *Mol Neurobiol*. 2019;56(12):8101-8108. doi:10.1007/s12035-019-1632-0
5. Zhao Y, Jaber VR, LeBeauf A, **Sharfman NM**, Lukiw WJ. microRNA-34a (miRNA-34a) Mediated Down-Regulation of the Post-synaptic Cytoskeletal Element SHANK3 in Sporadic Alzheimer's Disease (AD). *Front Neurol*. 2019;10:28. PMID: 3079268
6. Carzoli KL, **Sharfman NM**, Lerner MR, Miller MC, Holmgren EB, Wills TA. Regulation of NMDA Receptor Plasticity in the BNST Following Adolescent Alcohol Exposure. *Front Cell Neurosci*. 2019;13:440. Published 2019 Oct 4. doi:10.3389/fncel.2019.00440. PMID: 31636539
7. Kasten CR, Carzoli KL, **Sharfman NM**, Henderson, T., Holmgren, E. B., Lerner, M. R., Miller, M. C., & Wills, T. A.. Adolescent alcohol exposure produces sex differences in negative affect-like behavior and group I mGluR BNST plasticity. *Neuropsychopharmacology*. 2020;10.1038/s41386-020-0670-7. PMID: 32268346

Published Abstracts:

1. **Sharfman NM**, Barrow D, Dougherty KA. *Investigating the interaction between the anti-epileptic drug gabapentin and an A-type voltage-gated potassium channel*. Rhodes College, Symposium, Summer 2015

Scientific Presentations

1. **Sharfman NM**, Barrow D, Dougherty KA. Investigating the interaction between the anti-epileptic drug gabapentin and an A-type voltage-gated potassium channel. Rhodes College, Symposium, Summer 2015. *Poster Presentation*
2. **Sharfman NM**. Age related changes in pro-inflammatory miRNAs and corresponding targets in the retina, hippocampus, and cortex of the 5xFAD model for Alzheimer's. New Orleans, Summer Undergraduate and Medical Student Presentations 2018. *Oral Presentation*
3. **Sharfman NM**, Kelly L, Secci ME, Avegno EM, Gilpin NW. Melanocortin-4 Receptor Modulation in a Model of Chronic Inflammatory Pain. New Orleans, LSUHSC Graduate Research Day 2019. *Poster Presentation*

SERVICE ACTIVITIES

University/Institutional Service:

LSUHSC (campus) committees

New Orleans Medical Innovators board member, NOMI (2017-2019)

Clinical Service:

In-patient service activities

2018-2019: Dime Clinic – University Medical Center

Facilitate communication between patients and attending physicians. Perform history and physicals to streamline patient waiting time and communicate findings with attendings. Develop treatment plan and personalized nutrition plans for managing diabetic patients. Follow-up on weekly basis with patients to ensure continuity of care and adherence to treatment regimens.

Quantity: Once-weekly clinics from 8am-1pm; total 120 clinical hours

Community Service Activities:

New Orleans, LA

2015-2017

No AIDs Clinical Task Force

2015-2016

Children's Hospital Volunteer

2019 – present

Student Run Homeless Clinic LSUHSC

2020

Nola Doc Project (2020)

2019 – present

Son of Saint

Revised: June 2020