

William T Mills IV

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Baltimore, MD 21205
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Education

Johns Hopkins University School of Medicine

Baltimore, MD | 2017-Present

PhD Candidate, Department of Biological Chemistry

Advisor: Mollie K Meffert, MD, PhD

University of Virginia

Charlottesville, VA | 2013-2017

Bachelor of Science in Chemistry, Specialization in Biochemistry (awarded with Distinction)

American Chemical Society (ACS) Certification

American Society for Biochemistry and Molecular Biology (ASBMB) Certification with Distinction

Research Experience

Johns Hopkins University School of Medicine

Baltimore, MD | 2017-Present

Graduate Research Assistant

Advisor: Mollie K Meffert, MD, PhD

United States Food and Drug Administration

White Oak, MD | Summer 2016

ORISE Fellow, Center for Biologics Evaluation and Research

Advisor: Gerardo Kaplan, PhD

University of Virginia

Charlottesville, VA | 2015-2017

Undergraduate Research Assistant

Advisor: Anthony J Spano, PhD

Teaching & Advising

Johns Hopkins University School of Medicine

Baltimore, MD

Teaching Academy

Certificate of Completion

in progress

ME.200.650 : Genes to Society - Nervous System and Special Senses

Co-instructor for lesson on translational neuroscience

Spring 2019

University of Virginia

Charlottesville, VA

Peer Teacher

BIOL 2100: Introduction to Biology Laboratory: Cell Biology and Genetics

Fall 2016

BIOL 2030: Introductory Biology Laboratory I

Fall 2015

Albemarle High School

Charlottesville, VA

Tutor

Advancement via Individual Determination (AVID) Program

Fall 2015

University of Virginia

Charlottesville, VA

Peer Advisor

University Peer Advising Link (ULink)

Fall 2015

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| Publications | Oldach LM, Gorshkov K, Mills WT, IV , Zhang J, and Meffert MK (2018). A biosensor for MAPK-dependent Lin28 signaling. <i>Mol Biol Cell</i> , 29(10): 1157-1167. DOI: 10.1091/mbc.E17-08-0500 | |
| | Subramanian M, Paranjpe M, Timmerman CK, Mills WT, IV , and Meffert MK (2019). Growth-suppressor miRNA dysfunction mediates synaptic overgrowth and behavioral deficits in Fragile X Syndrome. Manuscript in preparation. | |
| Presentations | Graduate | |
| | Mills WT, IV and Meffert MK (2019). Using miRNA- target chimeras to study post-transcriptional gene regulation in the mammalian CNS. Poster presented at the 2019 Graduate Student Association Poster Symposium. (Baltimore, MD) | |
| | Mills WT, IV and Meffert MK (2019). Using miRNA- target chimeras to study post-transcriptional gene regulation in the mammalian CNS. Poster presented at the 2019 DC Metro Area Chapter of the Society for Neuroscience Annual Meeting. (College Park, MD) | |
| | Mills WT, IV and Meffert MK (2019). Using miRNA-target chimeras to study post-transcriptional gene regulation in the mammalian CNS. Poster presented at the Department of Biological Chemistry Recruitment Event. (Baltimore, MD) | |
| | Mills WT, IV and Meffert MK (2018). Use of miRNA-target chimeras in the study of learning, memory and brain disorders. The Department of Biological Chemistry Annual Retreat. (Baltimore, MD) | |
| Awards & Honors | Undergraduate | |
| | Brodie KV, Hentzen CE, Klein RJ, Mills WT, IV , Nishath T, Zhang MZ, Columbus L, and Price C (2016). Lysine 99: A critical residue for catalytic activity in aspartate aminotransferase from <i>Thermatoga maritima</i> . Poster presented at the conclusion of CHEM 4411/4421 in the Chemistry Building at the University of Virginia. (Charlottesville, VA) | |
| | Graduate | |
| | Jungheea Park Memorial Award (Graduate Student Association Poster Symposium - 1st Place) | 2019 |
| | Undergraduate | |
| Organizational Activities | Gilbert J. Sullivan Scholarship | 2015-2017 |
| | National Society of Collegiate Scholars | 2014-2017 |
| | Dean's List | 2013-2016 |
| | Intermediate Honors | 2015 |
| | Johns Hopkins University School of Medicine <i>Baltimore, MD</i> | |
| Professional Associations | Department Journal Club Planning Committee - Department of Biological Chemistry | 2018-present |
| | Department Retreat Planning Committee - Department of Biological Chemistry | 2019 |
| Professional Associations | Society for Neuroscience D.C. Metro Area Chapter (SfN DCMA), Member | 2019-present |
| | American Society for Biochemistry and Molecular Biology (ASBMB), Student Member | 2017-2018 |

**Research
Funding**

Undergraduate

Small Research and Travel Grant (College of Arts and Sciences)
Small Research and Travel Grant (College of Arts and Sciences)
Raven Society Fellowship (The Raven Society)
Semester Scholars Award (College Council)

Fall 2016
Spring 2016
2016
Spring 2016