

# William T Mills IV

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PhD Candidate at the Johns Hopkins University School of Medicine

Education	<b>Johns Hopkins University School of Medicine</b> PhD Candidate, Department of Biological Chemistry <b>Advisor:</b> Mollie K Meffert, MD, PhD	Baltimore, MD   2017-Present
	<b>University of Virginia</b> Bachelor of Science in Chemistry, Specialization in Biochemistry (awarded with Distinction) <i>American Chemical Society (ACS) Certification</i> <i>American Society for Biochemistry and Molecular Biology (ASBMB) Certification with Distinction</i>	Charlottesville, VA   2013-2017
Research Experience	<b>Johns Hopkins University School of Medicine</b> Graduate Research Assistant <b>Advisor:</b> Mollie K Meffert, MD, PhD	Baltimore, MD   2017-Present
	<b>United States Food and Drug Administration</b> ORISE Fellow, Center for Biologics Evaluation and Research <b>Advisor:</b> Gerardo Kaplan, PhD	White Oak, MD   Summer 2016
	<b>University of Virginia</b> Undergraduate Research Assistant <b>Advisor:</b> Anthony J Spano, PhD	Charlottesville, VA   2015-2017
Teaching & Advising	<b>Johns Hopkins University School of Medicine</b>	Baltimore, MD
	<b>Teaching Academy</b>	
	Certificate of Completion	in progress
	<b>ME.200.650 : Genes to Society - Nervous System and Special Senses</b>	
	Co-instructor for lesson on translational neuroscience	Spring 2019
	<b>University of Virginia</b>	Charlottesville, VA
	<b>Peer Teacher</b>	
	BIOL 2100: Introduction to Biology Laboratory: Cell Biology and Genetics	Fall 2016
	BIOL 2030: Introductory Biology Laboratory I	Fall 2015
	<b>Albemarle High School</b>	Charlottesville, VA
	<b>Tutor</b>	
	Advancement via Individual Determination (AVID) Program	Fall 2015

# University of Virginia *Charlottesville, VA*

## Peer Advisor

University Peer Advising Link (ULink)

*Fall 2015*

### **Publications**

Oldach LM, Gorshkov K, **Mills WT, IV**, Zhang J, and Meffert MK (2018). A biosensor for MAPK-dependent Lin28 signaling. *Mol Biol Cell*, 29(10): 1157-1167.

DOI: [10.1091/mbc.E17-08-0500](https://doi.org/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 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)

#### **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 *Thermatoga maritima*. Poster presented at the conclusion of CHEM 4411/4421 in the Chemistry Building at the University of Virginia. (Charlottesville, VA)

### **Awards & Honors**

#### **Undergraduate**

Gilbert J. Sullivan Scholarship

*2015-2017*

National Society of Collegiate Scholars

*2014-2017*

Dean's List

*2013-2016*

Intermediate Honors

*2015*

### **Organizational Activities**

#### **Johns Hopkins University School of Medicine *Baltimore, MD***

Department Journal Club Planning Committee - Department of Biological Chemistry

*2018 - present*

Department Retreat Planning Committee - Department of Biological Chemistry

*2019*

### **Research Funding**

#### **Undergraduate**

Small Research and Travel Grant (College of Arts and Sciences)

*Fall 2016*

Small Research and Travel Grant (College of Arts and Sciences)

*Spring 2016*

Raven Society Fellowship (The Raven Society)

*2016*

Semester Scholars Award (College Council)

*Spring 2016*