**Joshua M. Edavettal** 

**EDUCATION**

BS, Biochemistry: Louisiana Tech University, 2018

MS, Pharmacology: Tulane University, 2019

Graduate MD-PhD student at LSUHSC, 2021-present

**RESEARCH**

**Summer Research Internship, Dr. Gardner, Physiology, LSUHSC: 2019**

 Cardiovascular physiology research

**Summer Reacher internship, Dr. Lazartigues, Pharmacology, LSUHSC: 2019**

 Cardiovascular pharmacology research

**Graduate Student Researcher, Braun Lab, Tulane School of Medicine: 2018-2019**

 Researched and wrote a review article on lentiviral vectors

**Undergraduate Researcher, Hollins Neurophysiology Lab, Biomedical: 2017-2018** Researched protein oxidation and wrote a series of protocols covering the study from extraction of specific tissue to characterization of protein samples

**2018 Senior Projects Conference, College of Engineering and Science: 2018**

**LEADERSHIP**

**Treasurer, Tiger Cubs, LSUHSC: 2020-2021**

**Secretary, Medical Student Research Club, LSUHSC: 2020-present**

**Founder and Editor in Chief, The Discoverer, ASEMH: 2014-2015**

**Lab Assistant, Chemistry Department, Louisiana Tech: 2015-2017**

 Helped instruct students taking biochemistry and general chemistry labs.

**Lead Journalist, SPEAK magazine, Louisiana Tech :2016-2017**

**Vice President of SGA, ASUMH: 2014-2015**

**Volunteer Director, Insectival 2015, ASUMH: 2014-2015**

**Student Ambassador, ASUMH: 2014-2015**

**VOLUNTEER SERVICE**

**Habitat for Humanity, General Volunteer, New Orleans Division: 2018-2019**

**Tutor for General Chemistry, Biochemistry, and Physical Chemistry: 2016-2018**

**Flautist for Chamber music, LA Tech: 2016-2018**

**Flautist for the Protestant Church of Mountain Home: 2014-2015**

**Music 2006-2019**

Played flute, piano, and bass professionally. Played competitively. Wrote both classical and contemporary music.

Louisiana Tech Student Recitals: 2016-2018

Batesville Symphony - Flute 2nd Chair: 2015

Mountain Home Symphony - Flute 2nd Chair: 2014-2015

Shreveport Youth Symphony: 2011-2013

All State finalist: 2013

District Honor Band: 2010-2014

**SELECTED HONORS AND AWARDS**

**MD-PhD Scholarship, LSUHSC: 2019-present**

**Medical Student Summer Research Internship, LSUHSC: 2019, 2020**

**President’s Honors List, Tulane: 2018-2019**

**President’s Honors List, Louisiana Tech: 2015-2018**

**College of Engineering and Science Department Scholarship: 2017-2018**

**Award for Excellence in Biochemistry, American Chemical Society: 2017**

**Speaker, Leadership Conference, ASU-Beebe: 2015**

**Dean’s List, ASUMH: 2014-2015**

**Phi Theta Kappa, ASUMH: 2014-2018**

**Fran-Coulter Honors Program: 2014-2015**

**Gold Medalist, Science Olympiad Regional Finals: 2014**

**Silver Medalist, National Latin Exam: 2012, 2013**

**SELECTED WRITING**

**HIV-based lentiviral vectors: origin and sequence differences**

 Johnson NM, Alvarado AF, Moffatt TN, **Edavettal JM**, Swaminathan TA, Braun SE. HIV-based lentiviral vectors: origin and sequence differences. Mol Ther Methods Clin Dev. 2021 Mar 27; 21:451-465.

**Shakespearean Sonnet Poetry Contest Finalist, LA Tech: 2017**

**Feature Piece, The Ruston Daily Leader: 2017**

**Feature Pieces, Speak Magazine, LA Tech: 2016-2018**

**Feature Pieces, The Discoverer, ASUMH 2015**