

Student Example

EDUCATION

- Marian University, Indianapolis, IN** *B.S in Biology, B.S in Public Health* *Expected May 2022*
- Minor: Chemistry; Concentrations: Cellular & Molecular Biology and Health Sciences
 - GPA: 4.0/4.0
- North Central High School, Indianapolis, IN** *North Central Academic Honors Diploma* *Graduated May 2018*
- GPA: 4.852/4.0

RESEARCH EXPERIENCE

- Marian University, Indianapolis, IN** *December 2019-Present*
- Research Assistant for Jason Chan, Ph.D.*
- Examine the role of sphingolipids on longevity and healthspan in the model *Caenorhabditis elegans*
 - Evaluate transcriptional changes in mutant animals using qRT-PCR
 - Investigated the role of ceramide enzymes on *daf-2*, *clk-1*, *eat-2*, and *hyl-2* mutants using RNAi
 - Analyzed multivariate datasets using R Statistical Programming
 - Demonstrated the L-histidine biosynthesis pathway are differentially expressed in *E. coli* grown on Nematode Growth Media versus -fluorodeoxyuridine (FUDR) supplemented media
- Research Assistant for Thad Wilson, Ph.D.* *Summer 2019*
- Investigated the relationship between histamine and eccrine sweat gland through clinical research
 - Completed medical screens, analyzed preliminary data, and composed IRB proposal
- Biochemistry Lab* *Fasi11.04 Tf31801004 E11*

Using a Lipidomics Approach to Analyze the Role of Ceramide in Aging *C. elegans*. **Oral Presentation**, Indianapolis Worm Meeting, 2020.

PVD Neuronal Growth When Exposed to Nicotine in *C. elegans*. **Poster**, Marian University Research Symposium, 2019

Studying Neuromyotonia and Axonal Neuropathy Through Cloning the Homologous HNT2 Gene. **Poster**, Marian University Research Symposium, 2019

Awarded winner of the genetics division and selected for the Outstanding Achievement Award

PUBLICATIONS

McIntyre, G., Wright, J., Wong, H.T. *et al.* Effects of FUdR on gene expression in the *C. elegans* bacterial diet OP50. (2021) *BMC Res Notes* 14, 207. Article, <https://doi.org/10.1186/s13104-021-05624-6>

RESEARCH AWARDS

