

**NIKHIL DOLE**  
(937) 478-7695 – [nd.dole@gmail.com](mailto:nd.dole@gmail.com)

Community Health Advocate/Analyst with expertise in Oncology and Clinical Research. Interest in the intersection of technology, health, and the use of data to educate and influence decision making. Strong collaborator with diverse populations including physicians, community leaders, educators, and key business stakeholders.

---

**Education****Columbia University**

Masters of Science, Bioethics, May 2021 (In Progress)

**College of Wooster**

Bachelor of Arts, May 2019 Major: Biochemistry and Molecular Biology

---

**Work Experience****Weill Cornell Medicine (Center on Aging and Behavioral Research)**

[Dr. Sarah Czaja, Ph.D.]

New York NY

Research Assistant, August 2019-November 2020

- Served as the primary study contact for the Fittle Research Study, which uses a specially designed app to both educate and encourage exercise in older adults who currently live a more sedentary lifestyle
- In charge of maintaining, updating, and creating study materials including training manuals, equipment, and other study tools for multiple research sites
  - Led the transition of the study from an In-person format to a virtual format in response to the COVID-19 pandemic
- Worked with patients suffering from mild cognitive impairment to introduce them to technology to combat social isolation and reconnect these individuals with their communities

---

**Research Experience****University of Cincinnati/Cincinnati Children's Hospital SURF Program**

[Dr. Stella Davies, MBBS, Ph.D], Cincinnati, OH

Summer Undergraduate Research Fellow, June 2017 – August 2018

- Conducted research in the Bone Marrow Transplant department with a focus on identifying potential indicators of Graft Versus Host Disease and Thrombotic Microangiopathy
- Investigated IL-8, Properdin, and F-actin concentrations in patient blood serum using ELISA kits and other techniques
- Identified relationships between IL-8 and GVHD, Properdin and TMA, while producing data showing F-actin in the blood of BMT patients
- Measured ATP concentrations in patient blood serum
- Studied Neutrophil Chemotaxis and used a variety of different proteins to affect migration rates through a membrane
- Presented all findings at American Society for Blood and Marrow Transplantation

**College of Wooster BCMB**

[Thomas C. Leeper, Ph.D], Wooster, OH

Paid Sophomore Research Assistant, September 2016 – December 2016

- Focused on expressing and purifying a protein with the unique property of having no charged residues
- Helped further progress studies of polymer binding by providing a new control
- Educated other sophomore research assistants on basic BCMB laboratory techniques

**Wright State University BCMB**

[Madhavi Kadakia, Ph.D and Michael Craig, Ph.D] , Dayton, OH

Senior Research Intern, June 2016 – August 2016

- Received Laboratory safety Training
- Expanded on techniques learned in previous laboratory
- Was able to successfully clone the gene Tip60 into a supercoiled PLB2-V5 DNA Backbone

---

**Publications**

Endothelial injury, F-actin and vitamin-D binding protein after HSCT and association with clinical outcomes. (Accepted)

TIP60 up-regulates  $\Delta$ Np63 $\alpha$  to promote cellular proliferation. (doi: 10.1074/jbc.RA119.010388)

Vitamin D Binding Protein and Complement Factor C5a Influence Neutrophil Chemotaxis Following HSCT (<https://doi.org/10.1016/j.bbmt.2018.12.461>)

IL-8 Levels Early after Bone Marrow Transplant are Associated with Later Complications of Stem Cell Transplantation (<https://doi.org/10.1016/j.bbmt.2017.12.516>)