Regina A. May

1615 Stanley Street, New Britain, CT 06050 | (860) 832-1615

careers@ccsu.edu | LinkedIn.com

**Research Technique Proficiency**

**Molecular Biology:** Purification (AKTA, FPLC, and HPLC), digestion, and cloning of plasmids, bacterial transformation, protein expression by bacterial fermentation, and cell culture

**Protein Characterization:** SDS Page, UV/Vis spectroscopy, enzyme activity assays, circular dichroism, differential scanning fluorimetry, and NMR spectroscopy

**Protein-Protein Interactions:** Alpha-rep protein scaffolds, phage display, Western blot, Dot blot, and ELISA clonal

**Technical Audits:** ISO 9001 and ISO 14001

**General:** Validation Protocol, Good Manufacturing Practices (cGMP)

**Education**

**Master of Science in Biomolecular Science** May 2023

Central Connecticut State University, New Britain, CT

GPA: 3.5/4

**Bachelor of Science in Biology, Minor: Psychology** 2018

Central Connecticut State University, New Britain, CT

**Selected Achievements**

* Cross-functional team leader with laboratory driving teams in the justification of process deviations, investigation, and authoring of scientific and technical explanations
* Obtained the first NMR spectra of the purified protein and set up a long-term project for continuation of the structural characterization of large multi-domain nitric oxide synthase (NOS) enzyme as a laboratory intern
* Contributed to process improvement through constant observation, analysis, and recommendations on optimization of the peptide lyophilization process

**Relevant Experience**

**Current Employer or Internship**, City, St August 2020 - Present

*Position Title*

* Collect and analyze biological data about relationships among and between organisms and their environment
* Identify, classify, and study structure, behavior, ecology, physiology, nutrition, culture, and distribution of plant and animal species

**Current Employer or Internship**, City, St August 2018 - August 2020

*Position Title*

* Study basic principles of plant and animal life, such as origin, relationship, development, anatomy, and function
* Program and use computers to store, process, and analyze data