

Education

Bachelor of Science in Biochemistry
Boston College
Honors Program

May 2012

Graduate Student

LSUHSC, Laboratory of Dr. Imran Mungrue

2013-Present

Research Support Technician

The Bionetics Corporation, Kennedy Space Center

June 2006-August 2010

- Animal Care Facility – provided animal husbandry for up to approximately 2,500 mice and rats in a clean room environment for the Burnham Institute for Medical Research, Brevard Community College Veterinarian Technologist Program, and various shuttle flight experiments. Work included performing animal handling using aseptic technique to change cages, providing support for all clean/dirty cage cleaning, and to maintain SPF barrier conditions.
- Research Support – set up and cleaned labs for customers and provided turnover support for experiments on shuttle flights STS-121 and STS-115. Duties included outfitting labs with required equipment and supplies in preparation for pre-launch preparation of biological experiments.
- PetroAlgae – provided technical experimental support to commercial customer including individual experiments to determine proper media and the effect of acetic acid on algae growth. Tasks done include cell counting, spectrophotometry, various vital measurements (pH, Phosphorous contents, nitrate contents, ammonia contents, wet weight, dry weight), culture maintenance, and data entry for both algae and lemna samples. Prepared experimental protocols, completed experiments, evaluated data and provided written and verbal reports on experimental summaries.
- Lab Safety/Organization – Indexing material safety data sheets and maintaining laboratory equipment database for location and status of preventative maintenance.

Research Experience

Awards and Funding

Louisiana Board of Regents Fellowship

August 2012 – May 2016