

LEADING SCIENTIST
LABORATORY ANIMAL CARE



Glicerio Ignacio, MA, DVM, DAACLAM
David H. Murdock Research Institute (DHMRI)
Center for Laboratory Animal Sciences
Attending Veterinarian, Program Director
and IACUC Administrator



EXPERTISE

Laboratory animal care
Vivarium management
Animal study design

Center for Laboratory Animal Sciences (CLAS)

An AAALACi-accredited
rodent research facility
Expedited IACUC protocol
reviews and approvals
Support and coordination
with all DHMRI laboratories

EXPERIENCE

- » Working collaboratively with scientists, uses animal research models to assist in the advancement of scientific discoveries in areas such as:
 - Wound healing
 - Pharmacokinetics
 - Tumor research
 - Antibody production
 - Toll-like receptors
 - T cell development
 - Drug addiction
 - Hemophilia





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NC RESEARCH CAMPUS

DHMRI CAPABILITIES

At the David H. Murdock Research Institute (DHMRI), partnerships with academia, industry and government advance research in human health, nutrition and agriculture. DHMRI capabilities include:

***In Vitro* Sciences**

- » Protein assays
- » Extracellular (exosome) isolation and analysis
- » Clinical chemistry analysis
- » Flow cytometry

Analytical Sciences

- » Metabolomics - targeted quantitation and broad spectrum analysis
- » Proteomics - targeted quantitation and discovery
- » NMR - protein and small molecule quantitation, characterization and interaction

Genomics

- » Whole genome sequencing- de novo assembly, phasing and haplotyping
- » Gene expression analysis- whole transcriptome, single cell transcriptome and gene targeted assays
- » Microbiome characterization -16S rRNA profiling and metagenomics studies
- » Methylation profiling
- » microRNA analysis
- » SNP genotyping

Bioinformatics

- » Genomics Data
- » Protein Pathway Analysis

Confocal Microscopy and Biological Imaging Support

An AAALACi-accredited vivarium for rodent research

About The North Carolina Research Campus

The North Carolina Research Campus, located in Kannapolis, NC, near Charlotte, is a scientific community of eight universities, the David H. Murdock Research Institute, global companies and entrepreneurs. Research and development focus on safer, more nutritious crops, healthier foods and precision nutrition.

Learn more at www.NCResearchCampus.net.

