Job Identification
10000218

Job Category
Research

Locations
Nashville, TN, United States

Posting Date
02/11/2021, 07:24 AM

Job Schedule
Full time

Job Shift
Day

Job Description

The research assistant II will work in the Arrojo e Drigo Laboratory lead by Dr. Rafael Arrojo e Drigo in the department of Molecular Physiology and Biophysics at Vanderbilt University The individual will be key personnel responsible for research conducted. This position requires knowledge of laboratory procedures, record keeping, validated experience in animal handling and anatomy, animal colony management, and standard molecular biology procedures.

The research assistant II will support ongoing experiments in animal procedures, molecular biology, cell culture and microscopy. Motivated individuals will have their own projects and perform animal-related research. Additional responsibilities will include maintenance of and management of transgenic animal colonies and genotyping.

The Arrojo e Drigo Laboratory will use the tools of biochemistry, microscopy and molecular biology to understand how post-mitotic cells are maintained for very long periods of time. Our overall approach spans the spectrum from basic biochemistry, structural characterization of target cells using X-ray microscopy, 2- and 3-dimentional electron microscopy (EM), light microscopy and isotope mass spectrometry, to study the development and function of long-lived cells in mice and humans. A repertoire of molecular and biochemical methods such as high-speed light microscopy, scanning electron microscopy, serial block-face EM and stable-isotope imaging are integrated with lineage tracing of cells to generate detailed maps off cell origins, structure-function, age and metabolism.

Duties and Responsibilities

- Manage and maintain inventory of mice and mouse lines

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