Resource Summary Report

Generated by NIF on Apr 18, 2025

Mouse Pathology Training Grant

RRID:SCR_008300
Type: Tool

Proper Citation

Mouse Pathology Training Grant (RRID:SCR_008300)

Resource Information

URL: http://www.vet.ohio-state.edu/211.htm

Proper Citation: Mouse Pathology Training Grant (RRID:SCR_008300)

Description: Laboratory animals are used in nearly half of all research projects supported by the National Institutes of Health. Significant needs exist at the national level for skilled scientists trained to work with and interpret the data generated from the use of rodent animal models. In response to this national need a research training program has been established through funding by the National Centers for Research Resources to provide an environment for veterinarians (D.V.M. or V.M.D.) and D.V.M./Ph.D."s to effectively utilize mouse models of human disease. Specifically, veterinarian scientists are trained in state of-the-art molecular and cellular techniques to systematically evaluate the mechanistic pathobiology and phenotype of experimental mouse models of human disease. The training program is coordinated through an established graduate program in the College of Veterinary Medicine, Department of VeterinaryBiosciences and supported by a unified group of basic and clinical scientists with ongoing collaborative programs at The Ohio State University and Children"s Hospital. The scientists have expertise in endocrinology, infectious disease, genetics, oncology, molecular biology, immunology, physiology, biochemistry, and pathology. Trainees gain knowledge and skills to fully understand and evaluate pathophysiologic alterations of murine models of human disease through both didactic coursework and applied training in pathology and molecular biology. In addition, trainees interact with our multidisciplinary faculty to identify the range of research problems that use murine models. They acquaint themselves with the ongoing basic and clinical research studies in the laboratories and clinical sites of the participating faculty, and select a research problem that utilizes a murine model for endpoint evaluation. Following the selection of a preceptor and research problem, the trainee participates in the design and performance of experiments, as well as analysis and presentation of data regarding a murine model. Trainees develop skills in clinical, gross, and histologic pathology, molecular and immunologic techniques, and use transgenic and immunodeficient mouse models to identify and characterize alterations in embryonic and

postnatal development. Therefore, trainees acquire a broad background in molecular biology, genetics, pathology, laboratory animal medicine, as well as research design methodology to fulfill national needs in the development of skilled scientists in mouse pathobiology. :Sponsors: Mouse Pathology Training Grant is funded by the National Centers for Research Resources.

Synonyms: Mouse Pathology Training Grant

Resource Type: portal, laboratory portal, organization portal, data or information resource

Keywords: endocrinology, genetic, animal, biochemistry, cellular, disease, health, histologic, human, immunodeficient, immunology, infectious, laboratory, medicine, model, molecular, mouse, oncology, pathobiology, pathology, pathophysiologic, phenotype, physiology, technique, veterinary

Funding:

Resource Name: Mouse Pathology Training Grant

Resource ID: SCR_008300

Alternate IDs: nif-0000-24381

Record Creation Time: 20220129T080246+0000

Record Last Update: 20250418T055158+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Pathology Training Grant.

No alerts have been found for Mouse Pathology Training Grant.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.