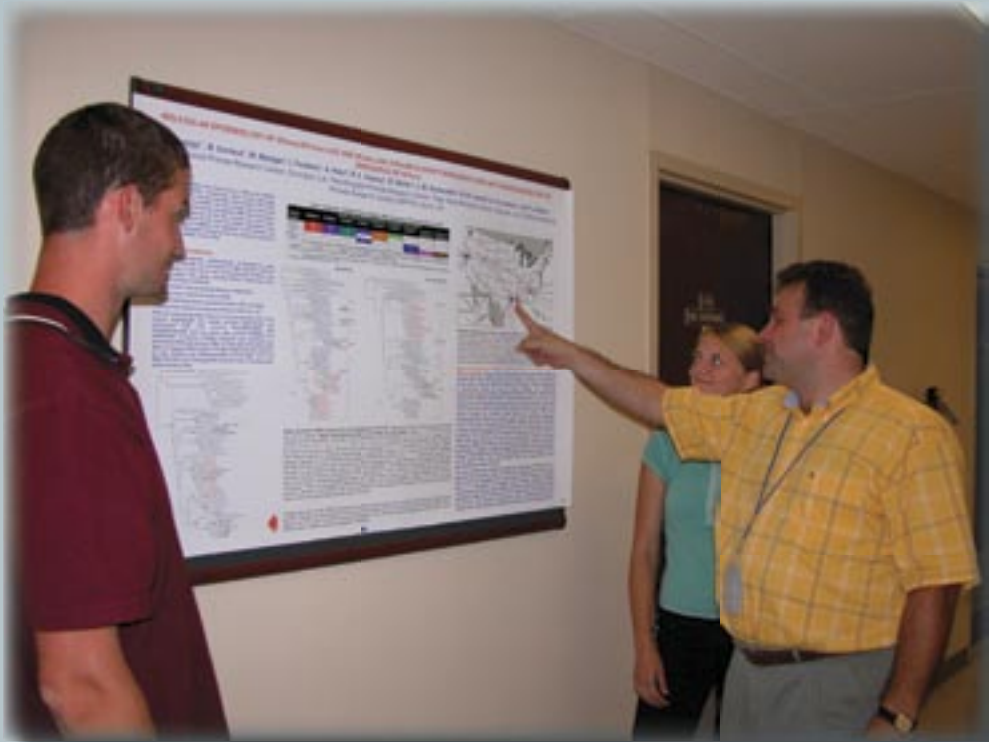


Tulane National Primate Research Center



Educational Opportunities



Director

Andrew A. Lackner, DVM, PhD

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INTRODUCTION

One of the primary objectives of the Tulane National Primate Research Center (TNPRC) is to provide training for undergraduates and graduate students, veterinarians, postdoctoral fellows, veterinary students and visiting scientists. This brochure outlines the educational opportunities we have to offer these students and researchers.

GENERAL TRAINING AND EDUCATION OVERVIEW

The TNPRC offers training and educational opportunities ranging from summer undergraduate fellowships through postdoctoral training as well as research opportunities for visiting scientists. The opportunities for veterinary students and veterinarians interested in a research career are particularly diverse and include short-term clinical externships and summer fellowships for veterinary students, laboratory animal medicine and pathology residency programs, and an NIH-funded T32 Institutional Training Program in Experimental Medicine and Pathology. The latter two programs are collaborations with the Louisiana State University School of Veterinary Medicine (LSU SVM). In addition, the TNPRC and LSU SVM are partners in an NIH-funded Center of Biomedical Research Excellence (COBRE) program which provides additional mentored research training to facilitate the academic development and independent funding of junior faculty.

SUMMER FELLOWSHIPS

Undergraduates

The Undergraduate Fellowship Program is offered to pre-baccalaureate students who are currently enrolled in a college-level educational institution and who are interested in biomedical research as a possible career choice. The Undergraduate Fellowship Program entails one-on-one mentored participation in a research project with an End-of-Summer Research Symposium where the students present the work in which they have been involved. This is an annual three-month summer program. A small stipend is offered.

Applications for the program are accepted in the winter of the year preceding the summer start date. For contact information please see Appendix I.

Veterinary Students

The Veterinary Fellowship Program is offered to students enrolled in a professional veterinary curriculum and who have completed the first year of veterinary medical education. Students will gain experience in laboratory-based research as well as in diagnostic and clinical veterinary medicine. Opportunities will be presented to observe first-hand the duties and responsibilities of clinical veterinarians, veterinary pathologists and research scientists in a large research facility employing nonhuman primates as models of human diseases. In addition, the Division of Comparative Pathology at the TNPRC provides these students with instruction in pathological findings of spontaneous and experimental disease in nonhuman primates. Participants will present their research at the End-of-Summer Research Symposium.

Applications for the program are accepted in the winter of the year preceding the summer start date. For contact information please see Appendix II.

LABORATORY ANIMAL MEDICINE PRECEPTORSHIP PROGRAM

Veterinary students enrolled in the professional curriculum and postgraduate veterinarians are invited to participate in the program. The Laboratory Animal Medicine Preceptorship Program exposes veterinary students and graduate veterinarians to all aspects of the research environment, including regulatory issues, research support, colony health surveillance, clinical medicine, and surgery. In addition, the Division of Comparative Pathology at TNPRC provides instruction in pathological findings of spontaneous and experimental disease in nonhuman primates to these students. The length of the program varies based on the needs of the student, but ranges from 2-6 weeks. On average, five students per year are mentored through this program.

To discuss the program and preparation of application materials please contact:

Office Manager
Division of Veterinary Medicine
Tulane National Primate Research Center
18703 Three Rivers Road
Covington, LA 70433
Telephone (985) 871-6266
Facsimile (985) 871-6328
E-mail: TNPRC-VetMed@tulane.edu

LABORATORY ANIMAL MEDICINE RESIDENCY PROGRAM

The integration of the Division of Veterinary Medicine at the TNPRC into the American College of Laboratory Animal Medicine (ACLAM) accredited Laboratory Animal Medicine Residency program at the LSU School of Veterinary Medicine (SVM) provides for a full time resident position at the TNPRC that focuses on nonhuman primate medicine and surgery. Only a few ACLAM-accredited residency programs exist that offer a similar exposure to nonhuman primate medicine. The duration of the program is two years and provides eligibility for board certification by ACLAM. Residents spend nine months of each year at the TNPRC, with the balance spent at the LSU SVM for didactic course work including pathology of laboratory animals. Residents are required to act as the principal investigator of a research project, which is mentored by senior faculty at the TNPRC. Attendance at seminar series, grand rounds, histopathology rounds, journal club, Institutional Animal Care and Use Committee, Breeding Colony Management and Tulane Resource Allocation Committee meetings are additional mandatory components of the training.

Applications for the program are accepted in the fall of the year preceding the start date. Currently, the start date for the program is in July in odd numbered years. To discuss the program and preparation of application materials please contact:

Office Manager
Division of Veterinary Medicine
Tulane National Primate Research Center
18703 Three Rivers Road
Covington, LA 70433
Telephone (985) 871-6266
Facsimile (985) 871-6328
E-mail: TNPRC-VetMed@tulane.edu

GRADUATE PROGRAM IN BIOMEDICAL SCIENCES

The Graduate Program in Biomedical Sciences (BMS) is an interdisciplinary, interdepartmental and inter-campus program comprised of faculty actively engaged in biomedical research. The participants are from the Tulane School of Medicine, School of Science and Engineering, School of Public Health and Tropical Medicine, and the TNPRC. The Program is coordinated by a Steering Committee composed of representatives from the participating departments and units. It is the major goal of the BMS program to prepare students in PhD, MD/PhD, MPH/PhD, DVM/PhD and MS/DE programs for diverse careers relating to biomedical science in the fields of research, education, academia and industry.

Application and contact information can be found at www.biomedicalsciences.tulane.edu

POSTDOCTORAL TRAINING

The TNPRC offers diverse postdoctoral training opportunities funded from a variety of sources including individual National Institutes of Health (NIH) R01 grants to TNPRC faculty, individual NIH National Research Service Awards and a NIH-funded Institutional Training Grant in Experimental Medicine and Pathology. Individuals interested in postdoctoral training opportunities in a particular faculty member's laboratory should contact the faculty member using the faculty member's divisional e-mail available on our web site.

For contact information about this NIH funded Institutional Training Grant in Experimental Medicine and Pathology please see Appendix III.

VISITING SCIENTIST PROGRAM

The TNPRC often hosts visiting scientists from around the country and the world that are interested in some aspect of biomedical research at the institution. This varies from investigators who are actively engaged in a specific research project to veterinarians from other countries wanting to learn about nonhuman primate husbandry and management. The duration of visits varies from a few weeks to two years. Interested individuals need to have a faculty sponsor at the TNPRC. Visiting scientists are responsible for their own funding, including but not limited to travel costs, housing, living expenses, and transportation. Please note that public transportation is not available in the surrounding area of the Primate Center. In addition, visiting scientists from foreign countries are responsible for obtaining their own visas and maintaining their proper immigration status.

Please see the Faculty Link at www.tnprc.tulane.edu for a potential faculty host.

APPENDIX – ANNOUNCEMENTS

I. UNDERGRADUATE FELLOWSHIP PROGRAM

The Undergraduate Fellowship Program for pre-baccalaureate students interested in a biomedical research experience, will be offered during the months of June, July and August. Positions will be available in each of the following five Divisions of the TNPRC: Bacteriology & Parasitology, Comparative Pathology, Gene Therapy, Immunology, and Microbiology.

To be eligible for the Undergraduate Fellowship Program a student must have completed at least one year of undergraduate coursework in biology or a biomedical related field. All applicants must currently be undergraduate or graduate students in good standing and be strongly motivated to participate in on-going research projects at the TNPRC. Participants will have an opportunity to present their research at the End-of-Summer Research Symposium.

Candidates interested in applying for this Program should send a letter containing an outline of their career goals, curriculum vitae, a transcript or record of their academic achievements and two letters of recommendation from faculty of their college or university to:

Undergraduate Fellowship Program
Attention: Pyone Pyone Aye, DVM, PhD
Tulane National Primate Research Center
18703 Three Rivers Road
Covington, LA 70433
E-mail: paye@tulane.edu

Application deadline is March 1, of each year.

A successful candidate will receive \$9.50 per hour, based on 37.5 hour week, for a maximum of three months.

Students are responsible for their own transportation and lodging. Public transportation is not available in the area.

II. VETERINARY FELLOWSHIP PROGRAM

The Veterinary Fellowship Program for Veterinary Students will be offered during the months of June, July and August at the Tulane National Primate Research Center, Covington, Louisiana.

Participants have the opportunity to explore research-oriented careers in clinical and experimental veterinary medicine, anatomic and clinical pathology and laboratory-based research. Most students choose to work in either the Division of Veterinary Medicine or in the Division of Comparative Pathology, but additional opportunities exist in other Divisions; please see the Research Programs link at www.tnprc.tulane.edu. All students will have the opportunity to observe first hand the duties and responsibilities of veterinarians involved in diverse aspects of biomedical research. The fellowships entail one-on-one mentored participation in a research project with an End-of-Summer Research Symposium where the students present their work.

It is preferred that students be in their second to fourth year of veterinary school. To apply, please send an outline of your career goals, curriculum vitae, and a photocopy of your transcript and two letters of recommendation from faculty members of your school to:

Veterinary Fellowship Program
Attention: Pyone Pyone Aye, DVM, PhD
Tulane National Primate Research Center
18703 Three Rivers Road
Covington, LA 70433
E-mail: paye@tulane.edu

Application deadline is March 1, of each year.

A successful candidate will receive \$12.80 per hour, based on a 37.5 hour week, for a maximum of three months.

Students are responsible for their own transportation and lodging. Public transportation is not available in the area.

III. POSTDOCTORAL RESEARCH TRAINING IN EXPERIMENTAL MEDICINE AND PATHOLOGY

Postdoctoral Fellowships in Experimental Medicine and Pathology are available as part of a comprehensive research training environment provided jointly by the TNPRC and the Louisiana State University School of Veterinary Medicine (LSU SVM).

The objective of this program is to provide highly motivated veterinarians (DVM/VMD or equivalent) with the requisite training and research experience in experimental medicine or experimental pathology to enable them to compete successfully for academic positions and research funding on a national level. Research training obtained during this program may be used to partially fulfill the requirements for a PhD at either Tulane University (TU) or Louisiana State University (LSU). The research activity of the program focuses on the pathogenesis of infectious diseases in a number of experimental systems. Particularly unique opportunities exist to study nonhuman primate models of AIDS and emerging and reemerging infectious diseases.

Trainees acquire in-depth knowledge in the molecular pathogenesis of specific infectious diseases and hands-on experience with investigative tools and techniques needed for molecular-mechanism-based biomedical research using animal models. This includes but is not limited to: immunohistochemistry, *in situ* hybridization, confocal microscopy, quantitative image analysis, advanced cell culture techniques, flow cytometry, humoral and cellular immunology, quantitative PCR, and recombinant DNA technology and other molecular biological methodologies. The training provided fulfills the eligibility requirements of several specialty boards including the American College of Veterinary Pathologists (ACVP) and the American College of Lab Animal Medicine (ACLAM). The salary range is based on current NIH scale. Applicants with one or more years of prior training preferred.

Applicants must be citizens or noncitizen nationals of the United States, or must be lawfully admitted to the United States for permanent residence. Successful applicants will be appointed in an appropriate department at TU or LSU for the duration of their training.

To apply, send a letter indicating your research interests and experience, curriculum vitae, veterinary school transcript and the names of three individuals who may be contacted for references to:

Andrew A. Lackner, DVM, PhD
Professor of Microbiology, Immunology and Pathology
Director
Tulane National Primate Research Center
18703 Three Rivers Road
Covington, LA 70433.
E-mail: info@tpc.tulane.edu

Tulane University and Louisiana State University are Affirmative Action and Equal Opportunity Educators and Employers. Individuals from under-represented minorities are strongly encouraged to apply.



Contact Information

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