

APPLICATION

Basic Research Immersion Training Experience (BRITE)

An NIH T-32 Training Program for Veterinary Students in Hypothesis-Based
Biomedical Research
College of Veterinary Medicine
Kansas State University (KSU)
Manhattan, KS

The BRITE program is sponsored by the National Institutes of Health (NIH) and designed for DVM students who are considering careers in research. The BRITE program offers an academic-year mentored research experience distinct from the profession curriculum. BRITE students are provided with stipend support, so that they may apply their rigorous didactic basic science training to a research problem relevant to human and animal health. All applicants must be enrolled currently in a DVM or VMD program. The BRITE program is open to veterinary students enrolled in the College of Veterinary Medicine at KSU as well as those in other colleges of veterinary medicine in the United States. More information about the BRITE program can be found at the following web site:
<http://www.vet.ksu.edu/depts/ap/brite/index.htm>.

For KSU-CVM students, the program will start after completion of the fourth semester; BRITE students participating in 2008-09 are expected to begin no later than August 1, 2008. The start time for this program may be more flexible for applicants from other institutions. Applicants must be U.S. citizens or have permanent residency status.

For students wishing to start in August 2008, **applications are due on April 4, 2008**. Electronic submission is acceptable. Late applications may not be considered. Questions and completed applications should be directed to:

Lisa C. Freeman, DVM, PhD
Associate Dean for Research and Graduate Programs
Kansas State University
College of Veterinary Medicine
228 Coles Hall
Manhattan, KS 66506-5802
Phone: 785-532-4542
Fax: 785-532-4557
E-Mail: freeman@vet.k-state.edu

APPLICANT'S CONTACT INFORMATION:

Name: _____

Mailing Address:

E-Mail Address:

Phone #:

APPLICANT'S AFFILIATION:

I am currently in the class of _____ at the _____ School or College of Veterinary Medicine.

Yes **No** I am a United States citizen or have permanent residency status in the United States.
(Please note that NIH requires US Citizenship or permanent residency status for participants)

APPLICANT'S STATEMENT OF COMMITMENT:

I understand that selection as a BRITE Scholar means that:

Yes **No** I will commit to the full program without interruptions.
(Standard vacation time will be available)

Yes **No** I will commit to work on my project and publish my research results under the direct guidance of my research mentor.

Yes **No** I will present the results of my research at KSU-CVM Phi Zeta Research Day.

Yes **No** I agree to follow the university rules and regulations pertaining to my work.

Signature

By signing this document you are granting permission to obtain your academic record from CVM and share your application with faculty participating in the program, funding sponsors, and the program advisory committee.

APPLICANT’S ACADEMIC CREDENTIALS:

Please circle previous degrees: BS or BA Major _____

MS*

PhD*

*If you have a graduate degree, what was the area of study? _____

Are you currently in a combined DVM-Masters (MS or MPH) program? Yes No

Are you currently in a combined DVM-PhD program? Yes No

For students enrolled at KSU, we will obtain your undergraduate GPA, professional DVM-GPA, and MCAT and/or GRE scores from your records in the College of Veterinary Medicine.

For applicants outside of KSU, please provide copies of your transcripts from undergraduate and professional coursework. Also provide copies of your MCAT or GRE scores (if taken). Unofficial copies are acceptable. These may be either attached to the application or sent separately.

APPLICANT’S REFERENCES:

Please ask two individuals familiar with your research potential to submit letters of reference to Dr. Lisa Freeman (address above; fax and email submission is acceptable). References may include faculty members from the veterinary college, undergraduate or other academic institutions attended by the applicant, as well as industrial scientists and/or other supervisors/employers. Please provide the names and contact information for your references in the spaces provided.

Name _____	Name _____
Address _____	Address _____
_____	_____
_____	_____
E-mail _____	E-mail _____
Phone _____	Phone _____

APPLICANT’S RESEARCH INTERESTS:

Faculty members representing seven departments/units at Kansas State University have agreed to participate in the BRITE veterinary student program. Their names and research interests appear in the table below.

Students may also seek training experiences with additional faculty members at Kansas State University or other institutions, if prior approvals are obtained from the proposed research mentor, the BRITE program directors (Drs. Freeman and Blecha), and the National Institutes of Health. Dr. Freeman is available to facilitate laboratory placement for interested students.

A) Research Focus

Please indicate the research foci that interest you:

Very Interested	Not Interested	Interested
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Neuroscience
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Immunophysiology
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Pharmacology
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cardiovascular and Pulmonary

B) Mentor Preference

Yes **No** I have not yet identified a mentor. I will work with Dr. Freeman to do so, after acceptance into the BRITE program.

Yes **No** I am interested in working with one (or more) KSU mentor(s) listed in the table below, and I have circled their name(s).

MENTOR DEPARTMENT RESEARCH AREA

Dr. Lisa Freeman Anatomy & Physiology (A&P) Ion channel Function/Pharmacology
Dr. Frank Blecha A&P Immunophysiology
Dr. Susan Brown Biology
Dr. Keith Chapes Biology
Dr. Gary Conrad Biology
Dr. Elizabeth Davis A&P/Clinical Sciences
Dr. Rob Dennell Biology
Dr. Sherry Fleming Biology
Dr. Roman Ganta Diagnostic Medicine/Pathobiology (DMP) Vector-borne pathogens
Dr. Mike Kanost Biochemistry
Dr. Mike Kenney A&P Autonomic Regulation
Dr. Meena Kumari A&P
Dr. Jim Lillich Clinical Sciences
Dr. TG Nagaraja DMP
Dr. Daniel Marcus A&P Epithelial Ion Transport
Dr. Tonatiuh Melgarejo Human Nutrition
Dr. Manuel Moro DMP
Dr. Annelise Nguyen DMP
Dr. Yoonseong Park Entomology
Dr. Raymond Rowland DMP RNA Viral Pathogens
Dr. Bruce Schultz A&P Epithelial Ion Transport
Dr. Dolores Takemoto Biochemistry (Biochem) Lens and Retina
Dr. Larry Takemoto Biology
Dr. Masaaki Tamura A&P

Dr. John Tomich Biochem Amphipathic peptides
Dr. Philine Wangemann A&P Cochlear homeostasis
Dr. Mark Weiss A&P Central neural control
Dr. Ludek Zurek Entomology

Yes **No** I am interested in working with a specific mentor who is not listed in the table.

His/Her contact information is:

Name _____

Address _____

E-mail _____

Phone _____

B) Past Experience and Long-term Goals

Have you had prior research experience? **Yes** **No**

If yes, attach a brief (one-paragraph or 1/2-page) description.

In one-two pages (12-point font, single-space, 1-inch margins) please address the following issues:

- What is your interest and motivation for applying to the program?
- What are your expectations about the program and what do you hope to accomplish?
- Expand on your area of research interest
- What do you think makes you an outstanding candidate for this opportunity?
- What are your long-term career goals?

BRITE APPLICANT CHECKLIST:

I have:

- provided contact information (page 1)
- answered questions about my affiliations, commitment and credentials (page 2)
- arranged for access/submission of my academic transcripts and test scores (as requested on page 2)
- requested 2 letters of reference, and provided the names of those individuals (page 3)
- indicated my research interests/mentor preference in the spaces provided (pages 3 and 4)
- attached statements about my research experience and long-term goals (as requested on page 4)

Applications can be delivered to:

BJ Thompson
Graduate Program Coordinator
228 Coles Hall

Or mailed to:

Lisa C. Freeman, DVM, PhD
Associate Dean for Research and Graduate Programs
Kansas State University
College of Veterinary Medicine
228 Coles Hall
Manhattan, KS 66506-5802