

# 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

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 professional 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 K-State as well as those in other colleges of veterinary medicine in the United States.

For KSU-CVM students, the program can begin after the 1<sup>st</sup> or 2<sup>nd</sup> year of DVM curriculum. The BRITE scholar selected for 2019-20 should expect to begin immediately. 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 be considered, **applications are due on or before May 31, 2019.** Electronic submission is acceptable. Late applications may not be considered.

Questions should be directed to:

Bruce D. Schultz, PhD

Professor

Kansas State University

College of Veterinary Medicine

127 Coles Hall

Manhattan, KS 66506

Phone: 785-532-4839

E-Mail: [bschultz@vet.ksu.edu](mailto:bschultz@vet.ksu.edu)

Complete applications should be sent to:

Barb Turner

BRITE Program Coordinator

Kansas State University

College of Veterinary Medicine

302 Coles Hall

Manhattan, KS 66506

Phone: 785-532-4500

E-Mail: [bturner3@vet.ksu.edu](mailto:bturner3@vet.ksu.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.

**APPLICANT'S CERTIFICATION OF US CITIZENSHIP:**

I certify that I am a United States citizen or have permanent residency status in the United States. (NOTE: The NIH requires US Citizenship or permanent residency status for participants in the BRITE program)

**APPLICANT'S STATEMENT OF COMMITMENT:**

**Initial** each statement below to indicate that, if selected as a BRITE Scholar, you agree to the following commitments.

I will commit to the full program without interruptions.  
(Standard vacation time will be available)

I will commit to work on my project and publish my research results under the direct guidance of my research mentor.

I will present the results of my research at KSU-CVM Phi Zeta Research Day.

I agree to follow the university rules and regulations pertaining to my work.

Signature \_\_\_\_\_ Date \_\_\_\_\_

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 indicate previous degree(s) received:*

BS Major: \_\_\_\_\_ BA

Major: \_\_\_\_\_ MS

Area of Study: \_\_\_\_\_

PhD 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

***Applicants who have already applied and been accepted to a graduate program will need only to submit this application. Others interested should start by submitting this application and if selected will then be expected to apply to the appropriate graduate program in the College of Veterinary Medicine.***

**APPLICANT'S REFERENCES:**

*Please ask two individuals familiar with your research potential to submit letters of reference to Bruce D. Schultz (c/o Barb Turner see email/mail info. below). 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:**

NIH-funded faculty members representing several departments/units at Kansas State University have agreed to participate in the BRITE veterinary student program. Their names and research interests appear 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 director (Dr. Schultz), and the National Institutes of Health.

**A) Research Focus**

Please indicate the research foci that interest you:

**Very Interested      Somewhat Interested      Not Interested**

Epithelial Health and Disease

Comparative Medicine

Host-Pathogen-Environment Interface

**B) Mentor Preference**

Please select the appropriate statement in reference to your mentor selection for this program.

I have not yet identified a mentor. I will work with Dr. Schultz to do so, after acceptance into the BRITE program.

I have indicated one (or more) KSU mentor(s) in the list below with whom I'd like to work with for this program.

**NIH-FUNDED MENTORS, DEPARTMENT, AND RESEARCH AREA**

- Dr. Frank Blecha, Anatomy & Physiology, Immunophysiology
- Dr. Susan Brown, Biology
- Dr. Elizabeth Davis, Anatomy & Physiology/Clinical Sciences
- Dr. Sherry Fleming, Biology
- Dr. Peying Fong, Anatomy & Physiology
- Dr. Roman Ganta, Diagnostic Medicine/Pathobiology, Vector-borne pathogens
- Dr. Tonatiuh Melgarejo, Human Nutrition
- Dr. T.G. Nagaraja, Diagnostic Medicine/Pathobiology
- Dr. Tim Musch, Anatomy & Physiology / Kinesiology
- Dr. Annelise Nguyen, Diagnostic Medicine/Pathobiology
- Dr. Yoonseong Park, Entomology
- Dr. David Poole, Anatomy & Physiology / Kinesiology
- Dr. Juergen Richt, Diagnostic Medicine/Pathobiology
- Dr. Raymond Rowland, Diagnostic Medicine/Pathobiology, RNA Viral Pathogens
- Dr. Bruce Schultz, Anatomy & Physiology, Epithelial Ion Transport
- Dr. Larry Takemoto, Biology
- Dr. Deryl Troyer, Anatomy & Physiology
- Dr. Philine Wangemann, Anatomy & Physiology, Cochlear homeostasis
- Dr. Mark Weiss, Anatomy & Physiology, Central neural control
- Dr. Ludek Zurek, Entomology

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 \_\_\_\_\_

### C) Past Experience and Long-term Goals

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

- If yes, attach a brief (one-paragraph or ½-page) description.

In one to 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?

#### PLEASE NOTE:

- BRITE Scholars are paid through a stipend and are not employees of the Kansas State University College of Veterinary Medicine. This means no taxes are withheld from the payment and the scholar will be responsible for income taxes as required by state and federal laws.
- GRA insurance is not available to scholars through the BRITE program.
- The amount paid for the scholar's tuition and fees is determined by their residency status.

#### BRITE APPLICANT CHECKLIST:

I have:

- ✓ Provided contact information.
- ✓ Answered questions about my affiliations, commitment and credentials.
- ✓ Has applied to a graduate program or will apply if selected.
- ✓ Requested 2 letters of reference, and provided the names of those individuals.
- ✓ Indicated my research interests/mentor preference in the spaces provided.
- ✓ Attached statements about my research experience and long-term goals.

Questions should be directed to:  
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302 Coles Hall  
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Phone: 785-532-4500  
E-Mail: [bturner3@vet.k-state.edu](mailto:bturner3@vet.k-state.edu)