

**IOWA STATE UNIVERSITY**  
**Dr. W. Eugene and Linda Lloyd**  
**Veterinary Medical Center**

College of Veterinary Medicine

Ames, Iowa 50011

Large Animal - (515) 294-1500

Small Animal - (515) 294-4900



**Internship Program in Food Animal and Camelid Medicine and Surgery**

**Program Director:** Dr. Vengai Mavangira (vmavang@iastate.edu; 515-294-8716)

Faculty Diplomates serving as associate supervisors of the program:

- **Food Animal Medicine**
  - Vengai Mavangira, BVSc, PhD, DACVIM-LAIM
  - Enoch Meira, DVM, ABVP-Food Animal Practice-candidate
  - Mitch Hiscocks, DVM, DACVPM
- **Theriogenology**
  - Tyler Dohlman DVM, MS, DACT
  - Caitlin Wiley DVM, MS, DACT
- **Food Animal Field Services**
  - Rachel Friedrich, DVM, ABVP-Food Animal Practice-candidate
  - Megan Hindman, DVM, ABVP-Food Animal Practice-candidate
  - Terry Engelken, DVM, MS
  - Patrick Gorden, DVM, PhD, DABVP-Dairy, DACVCP

**Objectives**

- Provide advanced training in clinical medicine and surgery of food animals and camelids
- To provide clinical teaching experience
- To provide limited experience in the design and implementation of an investigative project
- To work with Board Certified faculty in preparation for a residency program or private practice
- To develop expertise in clinical medicine and surgery of food animals and camelids, which encompasses the diagnosis, treatment, and prevention of medical and surgical conditions on an individual and herd basis

**Justification**

The clinical program in food animal and camelid medicine and surgery is designed to provide advanced clinical training on individual animal and herd-based diseases, experience in clinical teaching, exposure to research techniques and the opportunity to conduct clinically oriented research. The training will focus on clinical as well as basic physiological aspects of domestic food animal and camelids to strengthen the

individual's preparation for a food animal and camelid residency or private practice. The program emphasizes management of all ages of animals and classes of production within the purview of the internship. Graduates should be well prepared for clinical academic appointments or for specialty practices.

**Qualifications**

Minimum qualifications include graduation from an AVMA-accredited school of veterinary medicine and a strong interest in food animal and camelid medicine. The selection of interns is made on the basis of academic achievement, career objectives, letters of recommendation, interpersonal skills, clinical skills, and pertinent experience.

**Duration**

The duration of the internship program is 54 weeks.

<b>Intern year: 54 weeks</b>	
<b>Clinical weeks: 51</b>	
43 weeks	Food Animal and Camelid Medicine & Surgery
8 weeks	Elective rotations**at discretion of intern
<b>Non-Clinical Weeks: 3</b>	
1 week	Orientation & Training (Radiology & Anesthesiology included)
2 weeks	Vacation, interviews or additional elective weeks

\*\* Elective rotation options are as follows, but are not limited to: food animal theriogenology, bovine embryo transfer, field services, veterinary diagnostic laboratory, equine medicine and/or surgery, anesthesia, small animal medicine and/or surgery, veterinary diagnostic laboratory, etc.).

**Responsibilities**

Responsibilities and activities of the intern include:

- Daily responsibility for clinical cases with senior staff and professional students at the Veterinary Teaching Hospital;
- Presentation of and participation in seminars, Morbidity and Mortality Rounds and participation in large animal rounds;
- Assisting in the teaching and supervision of professional students in the food animal and camelid program;
- Emergency duty after-hours for 50% of their time of food animal and camelid cases.
  - For the first 2 months, the large animal intern will not have primary emergency duty, but rather will attend emergency cases with the on-call large animal resident and/or faculty member. After the initial 2 months, the

intern will be expected to take primary call for food animal and camelid cases if the service is comfortable with the interns' current clinical competence. The intern must call the faculty member on-call for that service for all emergencies to notify them of any incoming emergency cases and consult with them throughout the initial work-up and treatment plan phase. The intern is not expected to take call during the 8 weeks of elective rotations. The intern is expected to coordinate with the large animal resident and faculty to make sure after-hours duty is covered during absences.

### Seminar/Rounds requirements

Rounds type	Frequency	Day/Time	Commitment
HO Seminar/Case Presentation	Weekly	Thursdays @ 8am	Required
Large Animal Intern Education Rounds	Monthly		Required
Large Animal Radiology Rounds	Monthly	Tuesdays @ 8am	Required
Journal Club (per service)	Per service	With FA Field Services post-docs initially	Required
Textbook Review (per service)	Per service	To be developed	Encouraged
Morbidity & Mortality Rounds	Monthly	2 <sup>nd</sup> Tuesday @ 8am	Not required
ECG Rounds	Monthly	4 <sup>th</sup> Weds @ 8am	Not required
SAIM Book Club	Weekly	Fridays @ 9am	Not required
ECC Service Rounds	Weekly	Wednesdays @ 3pm	Not required
Student Grand Rounds	Weekly	Fridays @ 8am	Not required

### Opportunities within the program include:

- Designing and carrying out a clinical investigation or participating in an on-going research project under the direction of a faculty member;
- Submitting an abstract for presentation at a national meeting;
- Presenting one or two lectures on medicine or surgery-related subjects to second- and third-year veterinary students;
- Completing 30 hours Continuing Education pertaining to the field of food animal and camelid medicine during the training program.

The intern will spend most of their time in the clinical food animal and camelid practice. The remainder of the time will be spent either in other clinical services and/or

participating in research, manuscript preparation, teaching, continuing education, special rotations, or other activities deemed appropriate by the Training Advisor. The intern will participate in all food animal and camelid medicine and surgery referral and emergency cases at the Veterinary Teaching Hospital. The intern may participate in up to 8 weeks of elective services of the intern's choosing (Elective options are as follows, but are not limited to: food animal theriogenology, bovine embryo transfer, field services, equine medicine and/or surgery, anesthesia, small animal medicine and/or surgery, veterinary diagnostic laboratory, etc.).

Interns will develop the ability to critically evaluate veterinary literature and will obtain a broad scientific base which is critical to an understanding of medical and surgical problems of food animals and camelids. The intern is encouraged to use the medical library and computer-assisted learning programs and will have the opportunity to attend campus seminars. Regular opportunities will be provided to attend and participate in small and large animal grand rounds presentations. Food animal medicine and surgery topic and Journal club rounds are held weekly for most of the year. A trip to a major scientific meeting is strongly encouraged and partial funding may be provided to help defray expenses.

The VTH is committed to building strong relationships with its constituents. A major part of the intern's duties, therefore, includes timely communication with referring veterinarians and clients.

This program will participate in the Veterinary Internship/Residency Matching Program (VIRMP). If no candidate is successfully matched, the program will be advertised outside the VIRMP and applications will be accepted until the position is filled.

**Applicant must be able to begin the program on June 15.**

For additional questions, please contact Dr. Mavangira (vmavang@iastate.edu; 515-294-8716).

**INTERNS MUST BE ABLE TO ARRIVE AT THE HOSPITAL WITHIN 20 MINUTES OF AN EMERGENCY CALL, THEREFORE, INTERNS MUST PLAN TO LIVE WITHIN 15 MILES OF THE HOSPITAL.**

Iowa State University College of Veterinary Medicine is interested in candidates who are committed to the highest standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity.

**SPECIAL NOTE:** The Iowa Veterinary Medical Board requires all veterinarians working at the Iowa State University with primary patient care duties to hold **an Iowa license**.