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## **VETERINARY STUDENT SUMMER EXTERNSHIP**

**DESCRIPTION:** Riverview, LLP is an agribusiness based in Morris, Minnesota with farms in Arizona, Minnesota, Nebraska, New Mexico and South Dakota. We are involved in beef, crops, construction and dairy and are currently looking for five veterinary student summer externs for 10 weeks in the summer of 2020. The role of the veterinary summer extern is to implement a research project of importance to Riverview's dairy segment in collaboration with veterinary faculty and Riverview's on-staff veterinarians. This will be successfully accomplished through working with farm employees for implementation of the protocol, monitoring compliance with the protocol while gaining real-world experience, and measuring the outcomes.

## **REQUIREMENTS**

- Core value cultural fit
  - Strong Work Ethic, Spirit of Humility, Keep it Simple, Integrity, Candor
- Passionate about production agriculture
- Willingness to learn Spanish
- Data-based decision making
- Persistent: Demonstrates willingness to get something done
- Organized: Plans, organizes and prioritizes in efficient manner
- Flexible: Adjusts quickly to changing priorities and conditions
- High Standards for personal and team performance

## **RIVERVIEW RESEARCH PRIORITIES 2020**

### **1. Stocking Density Impact on Health and Production**

- Key Question
  - What are the impacts of different stocking densities (100 vs 120 vs 140%) on health and production?
- Why is this important to Riverview?
  - Current studies have not studied this question in large pen (>700 head) settings and we need to better understand these dynamics to guide future welfare, production, and design decisions.

### **2. Non-Antibiotic Metritis Therapy**

- Key Question
  - What non-antibiotic metritis therapy has the highest success rate?
- Why is this important to Riverview?
  - We don't use antibiotics in our lactating herd and have a variety of non-antibiotic treatment protocols. We would like to give better guidance to our treatment crews based on data generated in-house.

### 3. Selling Colostrum

- Key Question
  - Is it worth our time and effort to sell excess colostrum?
- Why is this important to Riverview?
  - We are constantly approached with offers to buy our excess colostrum. This could potentially be a viable income stream or a colossal waste of time. We would like to figure out which it is.

### 4. Selective Dry Cow Therapy

- Key Question
  - Is it possible to create a simple, repeatable method to selectively treat dry cows in our system?
- Why is this important to Riverview?
  - It would be economically advantageous and responsible stewardship of antibiotics if we could selectively treat dry cows with antibiotics. We do not have many of the measurements available to create the criteria for this decision as has been proposed by others, so we would need to develop our own criteria to guide this decision.

### 5. Xiant Lights

- Key Question
  - What is the impact of the Xiant lights on health, production, and blood parameters in lactating cows?
- Why is this important to Riverview?
  - This non-antibiotic technology has the potential to impact health and production, though it is not clear as to what the impact would be.

## **BENEFITS OF PROGRAM**

- Opportunity to conduct unbiased and practical research on a 7,000+ cow dairy or large calf ranch.
- Ability to develop a deep understanding of large dairy operations by rotating through the various animal care teams.
- Mentorship from on-staff veterinarians and collaboration with veterinary faculty.
- Ability to learn farm-specific Spanish through an immersion experience.
- Field trips to other sites in the Riverview system.
- Potential to present research at AABP or potentially be published.
- \$13 per hour with time-and-a-half for every hour over 40 hours per week. A typical workweek is 60 hours, so this nets out to \$15.17 per hour. With a typical workweek and a 10-week internship, this could gross around \$9,100.
- Students are responsible for paying for housing, but we will help you find it (~\$300 per month).

Dates of Externship: May 26<sup>th</sup> to July 31<sup>st</sup>, 2020. Based in Morris, MN.

**TO APPLY:** Submit online application with cover letter and resume: <http://www.riverviewllp.com/careers.html> or email application, cover letter and resume to: [careers@riverviewllp.com](mailto:careers@riverviewllp.com).

**Applications due by Friday, December 6<sup>th</sup>.**