Sesnon Endowed Chair in Animal Science

Dr. Ermias Kebreab
Professor
Animal Science

RESEARCH
The Sesnon Endowed Chair supported several of my post-doctoral fellows. I was able to publish several manuscripts as a direct result of the fund. Research on greenhouse gas emissions from livestock is also currently being supported by Sesnon Endowment funds.

TEACHING
I teach three courses:
- Mathematical Modeling of Biological Systems - graduate level course and all of my graduate students take the course.
- Sustainable Animal Agriculture - undergraduate course. This is directly in-line with the mission of the endowed chair (in sustainable agriculture).
- Analysis of Animal Enterprises - undergraduate course. Not quite my interest but teach it to help out the departmental need as it is a required course.

STUDENT TRAINING
I briefly supported two students:
- Luis Moraes (PhD candidate). He works on developing models to describe (and later mitigate) methane emissions from livestock.
- Kristan Reed (PhD candidate). She works on developing models to describe (and mitigate) nitrogen excretion/emission from livestock systems.

UPCOMING ACTIVITIES AND/OR DEPARTMENTAL UPDATES
I will continue to use the funds to support Post-doctoral fellows and briefly the two students mentioned above.
We are hiring a new faculty to work on Animal Physiology and soon a nutritionist, as well, with whom I will have potential collaboration.

ACTIVITIES DIRECTLY SUPPORTED BY THIS FUND
- Support graduate education
- Partial purchase of greenhouse gas measuring equipment
- Travel to national and international conferences
- Publication of several manuscripts

THANKS
I would like to thank you for making it possible to fund graduate education and research into sustainable agricultural practices. Your donation has enabled me to hire graduate students and post-doctoral fellows who have been working on various aspects of sustainable agriculture to benefit the society in California, the nation and beyond. This would not be possible without your continued generous donations. Thank you.

Mary Delany
Interim Dean