



Researcher Spotlight

“ I see this group as a great source of accomplished collaborators as well as an opportunity to help fill an identified gap (i.e. wildlife and environmental techniques). ”



Photo credit: Sofia Galindo

Research Interests

- Field-expedient forensic methods for animal agriculture, wildlife, and human applications
- Rangeland herbivore ecophysiology

Capabilities

- Currently, my group primarily uses near infrared spectroscopy (bench-top and portable) along with bio-physical models of animal nutrition and landscape vegetation to develop decision support tools for practitioners.
- We are also exploring the use of remotely acquired hyperspectral LiDar to improve these capabilities at individual organism to landscape scales.

Advanced Instrumentation

- Bench-top and portable near infrared spectrometers
- We are collaborating with partners who use UAVs
- We are seeking funding for hyperspectral LiDar sensors

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