Student Job Description

(Summer research experience)

Be part of an exciting, collaborative team exploring plant ecology, physiology, remote sensing, and global change!*

We are seeking motivated individuals to participate in studies of vegetation health and functional diversity using field studies and novel remote sensing approaches. A key focus will be the early detection of stress in forest trees, prairie vegetation, and agricultural fields. Work will entail fieldwork and data processing in support of airborne remote sensing field campaigns, and will take place at several field locations in Nebraska in addition to the UNL campus.

Requirements:

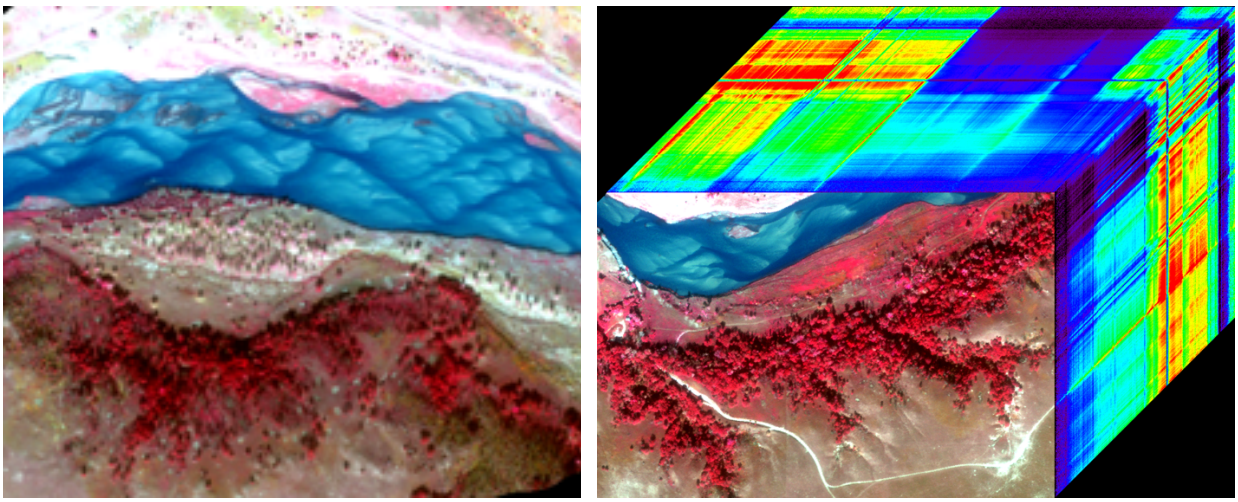
- Willing to work a flexible schedule, involving fieldwork, lab work, and data analysis.
- Ability to work cooperatively on a team and individually
- Interest in plant physiology, ecology, and remote sensing,
- Motivated to learn (e.g. read relevant literature under supervision)

Other expectations:

- Participate in Field Remote Sensing course (receive training), as an enrolled student.
- Willingness to participate in an independent project.
- Interest in continuing in research past the summer (e.g. for academic credit)

To apply: Send cover letter and CV to jgamon@unl.edu. Contact Dr. John Gamon for more information

*Team members include Sabrina Russo, Ran Wang, Brian Wardlow, Yi Qi and John Gamon.



False-color images of forests and prairie along the Niobrara River illustrating the spectral differences (right) associated with cover type and physiological function. Images: Ran Wang