

# **BIOL 4100-029**

Undergraduate Research  
Spring 2025

## **1 List of Readings**

### **Week of January 22, 2025**

- No reading, first meeting

### **Week of January 29, 2025**

- Chapin III, FS. 2003. Effects of plant traits on ecosystem and regional processes: a conceptual framework for predicting the consequences of global change. *Annals of Botany* 91: 455-463. [Link to paper here.](#)

### **Week of February 05, 2025**

- Long SP, Bernacchi CJ. Gas exchange measurements: what can they tell us about the underlying limitations to photosynthesis? Procedures and sources of error. *Journal of Experimental Botany* 54: 2393-2401. [Link to paper here.](#)
- Busch FA, Ainsworth EA, Amtmann A, Cavanagh AP, Driever SM, Ferguson JN, Kromdijk J, Lawson T, Leahey ADB, Matthews JSA, Meacham-Hensold K, Vath RL, Vialet-Chabrand S, Walker BJ, Papanatsiou M. 2024. A guide to photosynthetic gas exchange measurements: fundamental principles, best practice, and potential pitfalls. *Plant, Cell and Environment* 47: 3344-3364. [Link to paper here.](#)

### **Week of February 12, 2025**

- TBD

### **Week of February 19, 2025**

- TBD

### **Week of February 26, 2025**

- TBD

**Week of March 05, 2025**

- TBD

**Week of March 12, 2025**

- TBD

**Week of March 19, 2025**

- No reading, Spring Break

**Week of March 26, 2025**

- TBD

**Week of April 02, 2025**

- TBD

**Week of April 09, 2025**

- TBD

**Week of April 16, 2025**

- TBD

**Week of April 23, 2025**

- No reading, proposal presentations

**Week of April 30, 2025**

- No reading, proposal presentations