

Syllabus for Anatomical Methods (MCBA 720) Fall 2023
Lectures Friday – 10AM Bldg 1 Room B60

Week 1: September 1

- Review of fluorescence and confocal microscopy

Week 2: September 8

- Recent advances in fluorescence microscopy – Super resolution

Week 3: September 15

- Recent advances in fluorescence microscopy – Super resolution

Week 4: September 22

- Recent advances in fluorescence microscopy – Expansion Microscopy and other techniques

Week 5: September 29

- Recent advances in electron microscopy – Cryo EM

Week 6: October 6

- Recent advances in electron microscopy – Cryo EM

Week 7: October 13

- Recent advances in electron microscopy – Volume Microscopy

Week 8: October 20

- AMIRA and 3D reconstruction - Lorain

Week 9: October 27

- Small animal imaging - Lorain

Week 10: November 3

- Atomic Force and Raman Microscopy

Week 11: November 10

- Correlative imaging (combination systems)

Week 12: November 17

- Something

Week 13: November 24

- Thanksgiving

Week 14: December 1

- Research Presentations