

WORKSHOP TITLE: Basic Techniques in Tissue Culture Systems
INSTRUCTOR: Dr. Amanda Ashley
Mr. John Cavaretta (co-instructor)
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DATE: June 13th – June 15th
LOCATION: Biology Annex Room 106

WORKSHOP DESCRIPTION:

This workshop will serve as an introduction to mammalian cell and tissue culture. A mix of both lecture and hands on lab work will provide students a solid understanding of the applications and techniques involved in cell culture.

- LEARNING OBJECTIVES:**
1. Sterile Technique
 2. Growth of adherent cells
 3. Cell Counting and passaging
 4. Fluorescent staining
 5. Basic microscopy
 6. Introduction to fluorescent microscopy

Prerequisites:

Students must have completed the Bio-Safety and Blood Bourne Pathogens training through the NMSU Environmental Health and Safety Office prior to attending the workshop.

ANTICIPATED SCHEDULE

| Session | Tuesday | Wednesday | Thursday |
|------------------|-----------------|---------------------|-----------------|
| Morning | Lecture | Cell Fixation | Lecture |
| Afternoon | Splitting Cells | Staining / Mounting | Microscopy |