

## Lab 7: Immune System

### GOALS:

You should be able to.....

- ★ List nonspecific defenses of the human body against infection.
- ★ Compare and contrast humoral immunity (initiated by B-cells) and cell-mediated immunity (initiated by T-cells).
- ★ Describe the interaction between antigens and antibodies.
- ★ Describe the actions of helper T-cells and cytotoxic T-cells.
- ★ Explain how our bodies can develop immunity against specific diseases.

### Key Terms:

- |                        |                                  |
|------------------------|----------------------------------|
| ✓ pathogen             | ✓ humoral immunity               |
| ✓ nonspecific defenses | ✓ cell-mediated immunity         |
| ✓ macrophages          | ✓ memory B-cells                 |
| ✓ phagocytosis         | ✓ effector B-cells               |
| ✓ lymphatic system     | ✓ agglutination                  |
| ✓ lymphocytes          | ✓ cytotoxic T cells              |
| ✓ antigen              | ✓ helper T cells                 |
| ✓ antibody             | ✓ antigen-presenting cells (APC) |
| ✓ antigen receptors    | ✓ vaccinations                   |
| ✓ B-cells              |                                  |
| ✓ T-cells              |                                  |









