
MMI Graduate Program Objectives and Student Learning Outcomes

The UToledo Medical Microbiology and Immunology (MMI) graduate program is focused on educating and mentoring students to become independent scientists, critical thinkers, tomorrow's biomedical research leaders. The following **Educational Program Objectives (EPOs)** highlight the scientific knowledge, skills, and professional conduct that MMI faculty expect students to learn and exhibit during their training. Individual student progress will be routinely evaluated and documented throughout the training program, with respect to competence in



Ph.D.:

- **S1** The ability to design and perform laboratory procedures necessary for the completion of the student's dissertation research project(s).
Aligns with Institutional Student Learning Outcomes: Specialized Knowledge, Intellectual Skills, & Applied and Collaborative Learning
- **S2** The ability to independently identify a research question/problem, design experiments to answer that question/problem, and interpret/explain the data to others, including those who are not experts in the field.
Aligns with Institutional Student Learning Outcomes: Specialized Knowledge, Intellectual Skills, & Applied and Collaborative Learning
- **S3** The ability to perform research productively as an individual or member of a research team.
Aligns with Institutional Student Learning Outcomes: Specialized Knowledge, Intellectual Skills, Civic and Global Learning, & Applied and Collaborative Learning
- **S4** The ability to compile, compose, explain, compare/contrast, and discuss research findings effectively, both orally and in writing.
Aligns with Institutional Student Learning Outcomes: Specialized Knowledge, Intellectual Skills, Civic and Global Learning, & Applied and Collaborative Learning
- **S5** The ability to collect (from electronic databases and other sources), prioritize, organize, integrate, and utilize biomedical information for solving problems that are relevant to the appropriate completion of a research project, and accurately reporting the results.
Aligns with Institutional Student Learning Outcomes: Specialized Knowledge, Intellectual Skills, & Applied and Collaborative Learning

III. An MMI graduate will be professional

The University of Toledo College of Medicine and the MMI Graduate Program will ensure that all graduates are prepared to enter the workforce as professionals. The program is designed to provide students with the knowledge, skills, and attitudes necessary to succeed in a professional setting. The program includes a variety of experiences, including laboratory work, clinical rotations, and research opportunities. The program also provides students with the opportunity to develop leadership skills and to become active members of the professional community. The program is designed to be flexible and to meet the needs of individual students. The program is also designed to be challenging and to provide students with the opportunity to learn from their experiences. The program is designed to be a rewarding and enriching experience for all students.

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