

Immunohematology

1. Rotation Name

Immunohematology

2. Educational Purpose of the Rotation

Expose the participant to the science of tissue typing. Participants perform serologic and molecular assays from sample collection to interpretation including genotype assignments.

3. Staffing the Rotation

Laboratory staff includes one Ph.D., D(ABHI), one M.S., CHS and two B.S., CHT individuals under the direction of John Gerlach, PhD.

4. Resources

The laboratory occupies approximately 3000 square feet and is equipped and accredited to perform serologic and molecular tissue typing by the American Society of Histocompatibility and Immunogenetics.

5. Patients

Two renal transplant programs, local bone marrow donor family studies and typing for platelet transfusion.

6. Responsibilities

- a. Goal – provide an opportunity for the participant to expand their knowledge base of tissue typing with practical experience
- b. Duties – completion of specified training program (see attached)

7. Instructional Methods

A combination of self-study, demonstration and laboratory practice.

8. Evaluation

Students are evaluated by the staff involved and a written critique concerning their performance, attitude and perceived mastery provided to the fellowship director.

9. Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	7:30 am Journal Club Immuno	Immuno 12:15 Medicine Grand Rounds	7:00 am Tumor Board Sparrow Immuno	7:00 am IRMC Tumor Board Immuno	7:30 am Hem/Onc Core Conference Immuno
PM	Immuno	Immuno	Immuno	Immuno	Immuno

All activities in bold are required activities for all sub-specialty residents.

Note: During the week the sub-specialty resident attends at least two sessions of outpatient clinic at the Breslin Cancer Center. The times for this clinic vary from resident to resident and as such have not been included in this table.

10. Immunoematology Rotation Competency Objectives

1. Patient Care

Learn about tissue typing as it relates to bone marrow transplantation and transfusion of platelets.

2. Medical Knowledge

Understand the methodology of tissue typing and how different medical conditions such as severe leucopenia and leukemia could effect the outcomes of the different assays.

State the purpose of HLA typing as it relates to transplant

Discuss the role of the MHC molecule in immunology

3. Interpersonal and Communication Skills

Residents are expected to demonstrate professional communication skills with the laboratory staff and become a constructive and proactive member of the laboratory team.

4. Throughout the rotation, residents are expected to exhibit reliability in their laboratory duties as well as integrity and respect in their interactions with their laboratory colleagues.

5. System Based Practice

All residents will demonstrate conscientious awareness of the impact of their professional activities in Dr. Gerlach's laboratory and will conscientiously avoid inappropriate use of the laboratory resources.

state and follow basic laboratory safety practice

discuss general laboratory approaches for HLA typing

seek appropriate procedure manuals that document laboratory practice

state the purpose for laboratory log books in general practical applications

recognize laboratory reliance and compliance regarding national, state and local regulatory guidelines.