

## Flow Cytometry Rotation - Objectives

### Medical Knowledge

1. **Objectives:** The resident is expected to understand the basic technical principles of flow cytometry. The resident is expected to gain familiarity with the immunophenotypic features, and to a lesser extent the morphologic features, of various types of hematologic neoplasia encountered routinely in the flow cytometry laboratory. The resident should also understand the basic applications of lymphocyte subset analysis and stem cell analysis.
2. **Plan:** This knowledge will be acquired through ongoing exposure to case material, attendance at weekly flow cytometry conference, attendance at daily hemepath consult sign-out, ongoing reading on a case by case basis, and an introductory lecture by the rotation director or designee on the basic principles of flow cytometry. In addition, relevant articles dealing with major diagnostic issues and technical considerations in flow cytometry will be included in the resident rotation book, with the expectation that the resident read these articles during his/her rotation. The resident will also learn about technical issues in flow cytometry through the bench rotations and review of procedures.
3. **Supervision/Assessment:** Medical knowledge will be assessed through: direct observation by rotation director, flow cytometry faculty, and hematopathology fellows; oral quizzing during weekly flow conference; and hematopathology consult sign-out, and written quizzes (under development).