

Research Rotation

General Goals & Objectives

As part of resident education in basic medical science, each resident is required to undertake and complete a thesis research project. The objective of the resident thesis research project is to provide residents with the knowledge and skills needed to perform independent research, culminating in a topically significant, publication-quality manuscript.

PGY 1 – 2 Years

Residents develop a research strategy with their chosen research mentor and complete necessary IRB/ACUC protocols in PGY-1 and apply for grant funding as needed in PGY-2. This enables Residents to be productive in their PGY – 3 Year.

PGY – 3 Year

In PGY-3, residents are provided with an 8-10-week research rotation, throughout which they are free of scheduled clinical duties. The general goal for residents during this period is to carry out the major portion of his or her research project. This typically includes time-intensive activities such as experimentation, data collection, and analysis. Specific research goals are established by the faculty members with whom each resident is conducting their research.

PGY – 4 – 5 Years

Residents complete remaining data analysis required, prepare a written manuscript, and ideally submit their work for publication in a peer-reviewed journal. In addition, residents are encouraged to submit their work for presentation at a national scientific meeting.

Performance/Progress

Resident performance during research rotation is evaluated by their research mentor with particular attention to scientific acumen and productivity. Each resident's progress is also monitored during regular meetings with his or her assigned research advisor, a member of the Department of Orthopaedic Surgery Research Committee.

Residents are expected to present their research each year at Resident Research Rounds. Additionally, the Chief Residents are required to present their research on Chief Resident Day, on graduation morning.