

## Resident Research Program

Length: Research and PGY-II to PGY-V years  
Primary Supervisors: Robert E. Atkinson, M.D.  
James M. Kimura, Ph.D.  
Program Director: Robert E. Atkinson, M.D.  
Telephone Contact #: 956-9929 (Dr. Kimura)

All residents are expected to participate in research activity during their residency. The research resident will have expanded responsibilities during his/her research year. This experience should improve the residents' ability to critically review scientific papers, as well as their ability to prepare and present scientific material at a local, regional and national level.

Scope: All residents are required to complete a Research Project Outline form for each proposed research project. This is regardless of the facility location of their project. All projects must have prior approval of the Director of Research and the Program Director. A copy of the Research Project Outline is included in this curriculum guide.

***Research Fellow, PGY-III and PGY-V residents*** are expected to have a clinical or basic science research project completed and submitted for presentation at the Annual Combined Orthopaedic Spring Symposium sponsored in part by the Hawaii Orthopaedic Association. This will require an abstract and bibliography approximately *two months prior* to the meeting. The complete paper summary of the project in publishable form must be submitted approximately *one month prior* to presentation at this annual meeting.

***PGY-II and PGY-IV residents*** are expected to present a case report at Wednesday morning Orthopaedic Grand Rounds during the second half of the academic year. These residents may submit a comprehensive clinical or basic science review for presentation at the Annual Combined Orthopaedic Spring Symposium sponsored in part by the Hawaii Orthopaedic Association, but it is not expected. PGY-IV residents who have completed their Shrine project during the first half of the academic year may present their research during the PGY-4 year or wait until their PGY-5 year. Eligibility for the Shrine Award requires a completed paper two (2) weeks prior to presentation at the Symposium.

Funding for travel to meetings to present papers is contingent upon submission of the paper for publication in a peer-reviewed journal. Abstract submission and acceptance alone will not suffice for funding support from the Program.

## Goals and Objectives

Short Term Goals: To encourage participation in local and regional presentations. To define two levels of expectation for presentations within the residency (case reports versus more comprehensive scientific reviews).

Long Term Goals: To develop and encourage scientific presentations and publication at a national level. To enhance the skills to read and interpret other=s scientific work. To understand and enhance the skills necessary to develop a research hypothesis, to submit an IRB, to gather scientific data, to analyze the data, to summarize the finding and to write and publish this summary.

## Implementation

1. In September of each academic year, the residents should select the topic of research in consultation with the Director of Research.
2. A research advisor will be identified for each project and assist with the completion of the research project outline. Advisors should accept and confirm their participation.
3. By October, the completed outline should be submitted for signature by the Director of Research, Program Director and Research Advisor. In accordance with the above mentioned time line, this project should be completed for submission of the abstract and bibliography two months prior to the spring symposium. For those residents who are required to submit papers, this must be completed one month prior for inclusion in the symposium syllabus.
4. IRB in compliance with institutional guidelines are required for all research projects.\*

**\*All research activities at the University of Hawaii Orthopaedic Residency Program require IRB approval. A copy of the IRB must be on file in the Program office.**