DOM RESIDENT RESEARCH ROTATION
PROPOSAL INFORMATION

Instructions (Resident is responsible for ensuring form is received by the internal medicine residency research committee):

- ***Resident*** *completes form on page one.*

To be completed by Resident

Resident Name:		Grad Yr:	
Project Title:			

Please define your project as (check one):	Scientific Research		Quality Improvement		Medical Education	
	Analysis of a Scientific or Medical Problem					
	Other (please explain):					
Approximate dates work will begin and end:						

Please attach a copy of your proposal that briefly describes your proposed research project. Detail why you are interested in this project, your hypothesis, the methods you will use to address your hypothesis, and the facilities available for your project. Also describe any other activities (e.g., conferences, meetings) available to you that may enhance your research experience. This should be discussed with your advisor. See Appendix for details.

Also, **please submit a brief CV** that includes your previous research experience, if any. (**NOTE:** Previous experience is not required.)

IMPORTANT: If your project involves human or animal subjects, it must have an approved protocol number. If this is an ongoing project that has been previously approved, please indicate below the status of that protocol. If this is a new project, you and your advisor must submit a human or animal protocol for approval as soon as possible. IRB approvals must be submitted considerably in advance of when you anticipate beginning your project (i.e., June). **You must have IRB approval to start the project and in advance of your research block**. Please indicate the status of the protocol and the approved protocol number below.

Human Subjects: Protocol submitted? Yes ___ No ____

Approved: Yes _____   No ____   **Protocol #** _____   **Date Approved** _____   **(MM/DD/YR)**

A web-based training, accessible at http://irb.ucsd.edu/webtraining, must be taken by the Resident and the faculty mentor once this proposal is accepted and Human Subjects is approved.

Animal Subjects: Protocol submitted? Yes ____ No ____

Approved: Yes ____ No ____   **Protocol #** _____   **Date Approved** _____   **(MM/DD/YR)**

Signature_____   **Date**_____

E-Mail _____   **Phone** _____

RESIDENT RESEARCH PROJECT
RESEARCH MENTOR APPROVAL FORM

Instructions (Resident is responsible for ensuring form is received by the internal medicine residency research committee):
- ***Research mentor*** *completes this approval form, which will factor into proposal ranking.*

Resident Name:	
Project Title:	

1.	Have you reviewed and do you approve the proposal being submitted?	
2.	Are the goals realistic for the time committed?	
3.	Please describe the role of the resident in this project:	
4.	Identify what involvement you will have from the beginning of the project until its completion:	
5.	Please specify a timeline as to what will be done before, during the two-month research block, and after the research block	
6.	Specify the criteria that will be used to evaluate satisfactory completion of the resident's work and achievement of goals:	
7.	What is the intended work product of the project (please specify journal or conference that the work is intended to be submitted to and an approximate date of submission)?	

Name of Research Mentor:		
Phone:	Email:	
Signature:		Date:

Application Instructions

Contact the faculty member(s) you are interested in working with and discuss possible research projects. Specialty interest groups and residents/fellows who have participated in research are great starting points. You can find prior year's research projects and mentors here: https://medschool.ucsd.edu/som/medicine/education/residency/internal-medicine/Program/Pages/Research.aspx

You can also find other faculty members with strong research programs by looking at their memberships in UCSD Bioscience-related PhD-Granting Programs simply by accessing: http://meded.ucsd.edu/adpst/combined_degree_ms.html
After you and the faculty member have decided on a project, submit the attached application.

You are responsible for filling out the Resident Research Proposal Form and for ensuring that the Faculty Endorsement Form is completed. Your application is not complete until the signed mentor approval form is submitted by **January 10, 2025**, followed by the signed resident form, research proposal, and CV submitted no later than **February 7, 2025.**

Selection will be made by the Program's Executive Review Committee, and you will be notified in **mid-March 2025**.

At the conclusion of the research rotation, all residents will be required to submit an evaluation of their experience, as well as an Abstract, and present a poster summarizing their research and the results at a resident research symposium. The date of the symposium is to be determined.

If you have questions, please contact:
1. Chiefucsd@gmail.com
2. Charles Ginsberg, MD: cginsberg@health.ucsd.edu
3. Dena Rifkin, MD: drifkin@health.ucsd.edu
4. Anne Cowell, MD: acowell@health.ucsd.edu
5. Maedha Begur, CMR: mabegur@health.ucsd.edu

THE WRITTEN PROPOSAL

Proposals should be written by the Resident and reviewed in detail by the Faculty research mentor. Proposals should include the following components.

Title. Include a title indicating the subject of the study.

Abstract. Provide a brief (**250 words**) summary of the project.

Background. This should include a concise summary of the background literature that provides the context and rationale for the proposed work. Describe how your study meets the acronym **FINER** (**F**easible, **I**nteresting, **N**ovel, **E**thical, **R**elevant). **(500 words)**

Specific Aims and Hypothesis. Describe the goal(s) and specific aims for the study. If the proposal is for scientific research, the primary hypothesis must be clearly stated. If the proposal is for a community service or education project, the scope of the project should be clearly defined. For QI Projects, a "SMART" AIM statement (Specific, Measurable, Achievable, Relevant, Time Bound) should be provided. **(500 words)**

Methods. Describe the study design and methods to be used including a plan for statistical analysis. Describe the expected number of subjects (for human subject studies) or experiments (for lab studies). Describe the specific statistical tests to be used. The proposal should demonstrate that adequate thought and consultation have been given to designing the study. **(500 words)**

Expected Work product. Clearly state work products expected at the end of the project. How will the success of the project be judged? Publication of work in a clinical/scientific journal or presentation the work at a conference. **(250 words)**

Time Commitment.
- Describe your role in and time commitment to the project.
- The time frame and commitment to the project should be specified.
- This timeline should delineate work to be completed prior to 2-month research rotation, duties during research rotation, duties after research rotation, as well as the approximate date of submission of work to publication/conference.
- Please specify if the resident formulated the question.
- If the resident is joining a project already in progress, the resident's role should be clearly defined: activities that will be performed by the resident and the level of effort on the part of the resident should be clearly specified. **(250 words)**

Application Scoring and Decisions

Specific Comments on Scoring and Policy
- Studies using literature as control group are likely to be scored at bottom
- Observational studies that do not include adjusted models are likely to be scored low
- Outcomes must be precisely defined with description of how they will be quantified and at what time points
- Switching mentors is not allowed, switching projects with a given mentor is acceptable if the mentor is agreeable and the proposed project cannot be done.

Decision and Revision Policy
- You will be notified of application decision in mid-March with one of these three outcomes
  - Application approved for research block and will be scheduled
  - Application conditionally approved for research block and will be scheduled but cannot start until verification of certain requirements (usually IRB approval or data set access)
  - Application not approved as it currently stands
- If your application not approved, the decision letter will point out specific concerns in the proposal and you will have until 6/30/2025 to submit a revision addressing these concerns. If the revised proposal is approved, one of the elective blocks later on in the year may be converted to research block.