Research Curriculum

Directors
Charles (Chaz) Hong, MD PhD; James (Huck) Muldowney, MD PhD; and Carrie Geisberg, MD

Goal
- To develop and execute a research project with a faculty member/research investigator over a 2-3 year period which complements your career goals and personal interests.
- To gain exposure to scientific investigation and learn how to answer clinical, translational, and basic science questions.

Expectations
1st year
Meet with the Research Curriculum Directors (Chaz and Huck) twice during the first year.
Session 1 Prior to October talk about career interest, brain-storm about attendings/investigators with whom to work
Session 2 Discuss which faculty member you are working with and a brief outline of a project proposal along with a strategy for executing this over the 2nd/3rd year

2nd year
Execute research (write research proposal, IRB submission, create database, submit for funding etc.). Begin data collection. Meet twice a year with Huck, Chaz, and/or Carrie to give updates and help overcome any issues.

3rd year
Complete study - collect data, analyze, and write abstract/paper.

Requirements
1. Each fellow should present the progress of their research by creating a poster for either Cardiovascular Research Day or at Vanderbilt Resident's Research Forum.
2. Each fellow must submit an abstract to an external conference during his/her fellowship.
3. Each fellow must be an author on a paper (not first author, but some type) that is submitted (does not have to be accepted), which can include reviews, case reports or clinical communication.

Six Research Seminars / Conferences (over the course of each academic year)
1. Research Resources at your Electronic Fingertips: StarBrite/CTSA, REDCap, Grant-writing resources, Collaboration, Studios - Carrie Geisberg
2. Finding Funding and Career Paths/timeline - (NIH loan repayment, NIH grants, Foundation grants - Chaz Hong
3. IRB Proposals – from conception to getting it submitted to IRB. Discuss Cardiology Research Support Office and how to conduct trial - Huck Muldowney
4. How to create and effective poster and abstract submission – VICTR office.
5. 1st year Studio present research ideas and discuss potential proposal
6. 2nd year Studio present research progress

Electronic Resources
- Grant Repository / sample grants
- Review Series on Medical Writing
- Newsletter for fellows: “Research Classifieds”
  - Conference dates / abstract deadlines
  - Funding opportunities – AHA/ACC/Foundations grants etc.
  - Faculty might need fellows to help with review or editorial articles.

Ways to Get Involved
1. CV/VHVI Clinical Research Meeting
2. HF Research Meeting
3. General Cardiology Research Meeting
4. Arrhythmia/Device Research Meeting
5. Interventional Research Meeting
6. Imaging Research Meeting