Dear Colleagues,

Welcome to the Spring 2018 edition of our medicine residency research newsletter! The scholarly work done by our housestaff and the degree of collaboration is nothing short of spectacular. This initiative is aimed at both highlighting their exciting projects as well as informing trainees and recruits about the types of investigations being performed at Stanford. We define research comprehensively, as quality improvement, global health, outcomes research, medical education, clinical investigation, translational research, implementation science, qualitative studies, clinical trials, and device/service innovation all count.

To help spotlight our residency program’s scholarly accomplishments, we will be holding the 1st Annual Stanford Internal Medicine Residency Research Poster Session on the evening of Tuesday, June 12, 2018, in the Stanford University School of Medicine Li Ka Shing Building. All are invited to submit your poster here: https://tinyurl.com/ydyjoskq. Participate, stop by, bask in the joy of stellar scholarship!

**Resident Research Spotlight:**

This quarter’s research spotlight highlights R3, George Leef!

Tell us a little about yourself

**GL:** I'm a current third year resident going into cardiology fellowship at Johns Hopkins next year. Prior to Stanford, I was at the University of Pittsburgh for medical school.

Tell us about your current QI/research activities

**GL:** Since starting residency, I have been working with Dr. Mintu Turakhia on a large meta-analysis of atrial fibrillation ablation studies. Examining the effect of procedural technique on success rates was limited by significant heterogeneity in the data, so we pivoted the project to look more at sources of heterogeneity that might explain the huge spread of reported success rates for catheter-based AF ablation. I have also worked on a couple of projects with Dr. Sanjiv Narayan's translational arrhythmia group involving atrial mapping to tailor lesion sets in atrial fibrillation ablation.

Why Stanford?

**GL:** The main reason I picked Stanford was that it offers rigorous training, but is never harder on residents than it needs to be to accomplish the educational objectives. Residency is tough, and it should be, but it should be tough only in ways that will make the residents better physicians.

What advice do you have for interns and residents interested in scholarly activity?

**GL:** Two main pieces of advice. First, start talking to people early. You probably won't be able to get much done during intern year, but it’s good to get a project set up during intern year so you can make the most of your elective and research time during second and third years. Second, picking the right mentor is probably more important than picking the project. At this stage, you're building your basic research skills (study design, statistical analysis, computational modeling, etc.) that you can apply to any project down the road. Find a mentor who works in your general area of interest and who has a good track record of working with residents and getting projects to publication.
Papers and Presentations:
Congratulations to the following authors for their scholarly work in the past semester!

Third Year Residents:


**Second Year Residents:**

1. Grant E. Barber, Hendler S, Okafor P, Limsui D, Limketkai B. Rising Incidence of Intestinal Infections in Inflammatory Bowel Disease: A Nationwide Analysis. Inflammatory Bowel Diseases. 2018. [Accepted]
2. **Grant E. Barber**, Rodrigues R, Ananthakrishnan AN. A comprehensive study of costs associated with recurrent Clostridium difficile infection. *Infection Control & Hospital Epidemiology*. 2017. [PMID: 27817758]


16. **Bo Wang**, **Ginger Yang**, Svec D, Shieh L. Rationale and design of the Evaluating Application of Rewards Limited but Iterated to Effect Response (EARLIER) trial: a randomized evaluation of

**First Year Residents:**


**Recent Graduates:**


• Please see http://lane.stanford.edu/classes-consult/laneclases.html for a list of upcoming research courses offered by Lane Library. Many of these classes are incredibly helpful, including advanced PubMed use, Data Visualization, SQL, Systematic Review Methodology, MATLAB, Introduction to R, and EndNote/Zotero/Mendeley among many others. Highly recommended!

If you have academic or innovation activities that you’d like to have highlighted in the newsletter (or know of work other residents or recent graduates have taken part in) please e-mail us at bwang18@stanford.edu. These include publications of any authorship status (first, second, third, etc.), presentations, QI projects, patents, etc. **If your research was not recognized this edition, please e-mail us, so we can include it next time.** Also, feel free to send us any interesting courses, lectures, or resources you find out about on campus. If you are interested in helping out with the research interest peer group or the newsletter, please contact us at the e-mail address listed above. Thanks for reading!

Best,
Stanford Internal Medicine Research Interest Peer Group Steering Committee
Co-Leads: Bo Wang, Jimmy Tooley
Advisory Committee: Andy Chang, Linda Geng, Ashish Sarraju

If you have research you’d like to have highlighted in the newsletter (or know of work other residents or recent graduates have taken part in) please make sure to email us at bwang18@stanford.edu. If you are interested in helping out with the research interest peer group or the newsletter, please contact us at the e-mail listed above.

“To have striven, to have made the effort, to have been true to certain ideals – this alone is worth the struggle.”

– Sir William Osler