Welcome!

Dear colleagues,

Welcome to the Winter 2024 edition of our medicine residency research newsletter!

This publication is aimed at both highlighting our residents’ exciting projects, informing trainees and recruits about the scholarly work taking place at Stanford, showcasing current faculty leaders in research, and flagging interesting events for your radars. We define research comprehensively, including scholarly work done in quality improvement, global health, outcomes research, medical education, clinical investigation, translational research, implementation science, qualitative studies, clinical trials, and device/service innovation.
**Upcoming Events**

**Essentials of Clinical Research Course • 1/11/24 - 3/14/24**

This 10-session course introduces the basics of clinical research design, including: biostatistics, design of diagnostic and predictive test studies, required/desired elements of clinical trial protocols, the regulatory aspects of clinical research conduct and oversight, Good Clinical Practice (GCP), and ethical dimensions of clinical research.

**Signup** @ medres.stanford.edu/crc • **Info** @ medres.stanford.edu/crc-info

**Intensive Course in Clinical Research • 9/6/24 - 9/13/24**

The Intensive Course in Clinical Research (ICCR) is a one-week immersion course for novice clinical investigators, senior residents, fellows, and junior faculty at Stanford interested in pursuing a career in clinical and translational research at Stanford and who have not had formal training in clinical research as part of a Masters or PhD degree program in Public Health or Epidemiology.

**Signup form coming soon (lookout!) • Info** @ medres.stanford.edu/iccr
We asked Linda Nguyen, the winner of our Resident Research Mentor Award this past spring during our 6th Annual Research Symposium, on more advice for those looking to become more involved in a research project. But first, a little about Dr. Nguyen:

Linda Nguyen is a Clinical Professor in the Stanford Division of Gastroenterology & Hepatology. She received her MD from UCLA and completed both her residency and fellowship at CPMC. A leading figure in the field of Neurogastroenterology & Motility, Dr. Nguyen has dedicated her career to understanding and addressing disorders affecting the gastrointestinal tract, including gastroparesis, functional dyspepsia, and irritable bowel syndrome. She currently serves as the Clinic Chief of the Digestive Health Center at Stanford, and her research interests include exploring the role of physiologic testing on clinical care, innovative therapies for gastroparesis, and neuromodulation in treating gastrointestinal motility disorders and pain.

Tell us a bit about yourself and the path you took to academic medicine.

My family immigrated to the US in 1975 after the fall of Saigon. I knew since the 4th grade that I wanted to be a doctor to help people. Growing up, I was always drawn to detective genre books and films. To me, a doctor is medical detective without the gory murder scenes so it was a natural calling. However, academic medicine was something I stumbled upon. I did not start medical school thinking I wanted to be a professor. In fact, when I applied to residencies, the only academic program I applied to was UCLA where I went to medical school. It wasn't until my GI fellowship that I was bitten by the academic bug. I started doing clinical research to help answer clinically relevant questions. After my first conference presentation, there was no turning back. I came to Stanford in 2008, with a promise of endless opportunities to learn and grow. This has indeed been the case and then some. The work is absolutely hard and incredibly rewarding. There are lots of things I would tell my younger self to do differently. Choosing a career in academic medicine is not one of those things.

Why did you decide to make research & mentorship a part of your career?

I am curious by nature. Research allows me to lean into that curiosity and express my creativity. Some express creativity through art and music. For me, it’s through my research and clinical care. Making an impact and leaving a lasting legacy is something that is important to me, especially as I think about the next stage of my career. Something I teach my children is to leave wherever you are better than when you arrived. There is no better way of making an impact than through research and

What research topics are you finding most interesting currently?

There is so much that excites me right now. Broadly, I’m excited about the growing interest in the brain-gut-microbiome connection and how perturbation of the host-microbiome interaction can drive disease both in the gut and beyond. On the therapeutic front, I

What are your tips to residents interested in pursuing a career that involves research?

The best definition of research I’ve seen is that research is the creation of new knowledge or the use of old knowledge in a new way. Based on that definition, the potential for research is everywhere you look and can be a part of every career you envision. Learn the basic tools
Scholarly Work

Congratulations to the following residents for showcasing their research over the last few months! Below are the 63 (yes, 63!) publications, podium presentations, and posters (and likely more not being reported!) that you’ve told us about and we’ve found on Pubmed* over last 6 months.


Joshi SK, Pittsenger J, Kennedy VE, Peretz CAC, Perl AE, Smith CC, Tyner JW, Druker BJ, Traer E. The FLT3(N701K) mutation causes clinical AML resistance to gilteritinib and triggers TKI sensitivity


Moscvin M, Schwede M, Mannis G. N., Zhang TY. Acute myeloid leukemia with inv(3) or t(3;3 ) : a clinical and cytogenetic characterization of 40 patients. ASH 2023. San Diego, CA. [Poster presentation]


Somani S, Rogers AJ. Advances in cardiac pacing with leadless pacemakers and conduction system pacing Curr Opin Cardiol. 2023 Sep 22. doi: 10.1097/HCO.0000000000001092. Online ahead of print. [PMID: 37751365]


