**Spectrum submits its CTSA renewal application**

On May 24, Spectrum submitted a 1,972-page renewal application to NIH’s Clinical and Translational Science Awards (CTSA) Program. Stanford has been a member of this national network of medical research institutions since 2008. Members collaborate to innovate in clinical and translational research training, tools and processes.

This proposal, if funded in 2018, will expand Stanford’s efforts to:

- Train and cultivate the translational science workforce;
- Engage patients and communities in all phases of the translational process;
- Promote the integration of special and underserved populations in translational research across the human lifespan;
- Innovate processes to improve the quality and efficiency of clinical/translational research, including multisite clinical trials;
- Advance the use of cutting-edge informatics to improve population health.

During the award transition year, Mark Cullen, MD, is serving as the co-principle investigator on this award with Harry Greenberg, MD. Cullen is now serving as the new Senior Associate Dean of Research and will continue to direct the Stanford Center for Population Health Sciences.

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**Events**

Spectrum Intensive Course in Clinical Research: Study Design and Performance
Week of Sept 11 thru 15
8:00 a.m. – 8:00 p.m.
Eligibility: Residents, fellows, junior faculty, med students
Learn more [here](#).

**Jobs**

Clinical Research Operations Specialist I
Stanford Center for Clinical Research
Job listing [74993](#).

Clinical Research Operations Specialist II
Stanford Center for Clinical Research
Job listing [75313](#).

Research Phlebotomist
Spectrum CTRU
Job listing [75142](#).

Research Administrator 2
Anesthesia
Job listing [74840](#).

Clinical Research Quality Auditor
Spectrum Clinical Research Quality
Job listing [73292](#) and [73289](#).

OnCore Implementation, Data & Support Analyst
Spectrum
Job listing [74023](#).

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Many areas across the globe have few autism experts, leading to delayed care for kids who live there. Dennis Wall’s lab used a Spectrum pilot grant to launch a crowdsourcing project to pinpoint such geographic gaps, and to find ways to fill them ... Read more

Drug combination defeats dengue, Ebola in mice

A combination of two cancer drugs inhibited both dengue and Ebola viruses in mice in a study led by Shirit Einav, MD. To develop this antiviral treatment, she adopted an unusual approach: Rather than trying to disable viral enzymes, she targeted proteins the infected individual makes and the virus needs. This work was supported by the SPARK program and a Spectrum pilot grant ... Read more

Sanjay Basu’s team wins third place in data analysis contest

A team led by Sanjay Basu, MD, PhD, above, has been awarded third place in a contest designed to promote the sharing of clinical trial data. Contestants used a data set to identify a new scientific or clinical findings. The data set was developed during the Systolic Blood Pressure Intervention Trial, known as SPRINT, which compared intensive management to standard management of blood...
Stanford inventor designs low-cost science tools for the world

In an article in the spring issue of Stanford Medicine magazine, Manu Prakash, PhD, discusses his dreams for what he calls the “frugal science movement.” The article also describes his wildly inventive past and his plan to ship 1 million microscopes around the world by year’s end, a project initially funded with a Spectrum-Biodesign pilot grant ...Read more

Stanford arthritis trial wins a Clinical Research Forum award

In this clinical trial led by Mark Genovese, MD, a new drug proved safe and effective for hard-to-treat rheumatoid arthritis patients. A national organization of senior researchers named the trial one of the top 10 for 2016... Read more
**Stanford Medicine awarded a grant for a new biomedical research supercomputer**

Somalee Datta, PhD, the school's new Director of Research IT, was awarded an NIH S10 Biomedical Research Support Shared Instrumentation Grant to purchase an SGI UV 300 supercomputer. This computer will enable Stanford biomedical researchers to store, categorize and analyse more genomic data in less time for decoding the omics of living systems and answering crucial biological questions. It has 320 cores, 10 TB of RAM, 20 TB of flash memory, 4 Pascal GPGPUs and 200 TB of local storage. Datta's team is currently onboarding new users.

**Population Health awards $275,000 in pilot grants to 11 projects**

The Stanford Center for Population Sciences has funded 11 additional pilot projects in 2017, bringing the year’s total to 16. These grants support investigators whose work aims to improve the health of populations through health care system-based or community-based studies ...Read more

**Stanford joins UC BRAID health-research alliance**

Stanford University has joined five University of California campuses in a consortium dedicated to removing administrative barriers to sharing research resources, talent, productivity tools and bioinformatics expertise. Stay tuned for collaboration opportunities ...Read more

**SPECTRUM PEOPLE**

As Spectrum moves into a new award cycle, the following leadership transitions have taken place:

- Associate Director of Child Health: From David Stevenson to Mary Leonard
- Associate Director of Informatics: From Phil Lavori to Nigam Shah
- Associate Director of Clinical Research Education: From Charles Prober

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Somalee Datta, PhD, was named the Director of Research IT. She will oversee the initiatives and staff that provide technology support to research teams throughout the School of Medicine. She comes to us from the Stanford Center for Genomics and Personalized Medicine, where she pioneered technology platforms in the areas of Big Data and Genomics. She has a Masters in Physics and a Ph.D. in Computational Physics.

Peili Hsu is joining Spectrum as the new CTRU Operations Manager. She previously worked at UC San Diego leading its Stem Cell Program.

### Education

**SCCR Science Series: Medical Terminology & Common Medical Acronyms**

**Thursday, June 22**

9:00 a.m. – 11:00 a.m.

Li Ka Shing Center, LK130

Register here.

(Clinical Research Operations Program elective)

Chris Barrett, MD, second year resident in Internal Medicine, will provide you with a solid foundation in medical terminology and common medical acronyms.

**Investigational Drug Accountability**

**Wednesday, June 28**

12:15 p.m. – 1:15 p.m.

Li Ka Shing Center, LK130


(Clinical Research Operations Program elective)

The class will review best practices for investigational drug accountability, including patient compliance while taking investigational oral medications.

**SCCR: Successful Clinical Trial Monitoring**

**Thursday, June 29**

8:00 a.m. – 12:00 p.m.

Alway Building, M112


Course Fee: $50 ($70 with BRN credit)

(Clinical Research Operations Program elective)

This class will cover the essential elements of monitoring clinical trials and the interactions between the sponsor and study site(s) during clinical investigation. Learn more about this topic and be prepared for your next monitoring visit.

**Sponsor Investigator Research**

**Tuesday, July 11**

9:00 a.m. – 10:00 a.m.

Alway Building, M112


[Subscribe](#) to our email list
Recurring monthly
Wednesday, July 18
9:00 a.m. – 11:00 a.m.
Alway Building, M112
This class will describe the informed consent process and answer the following questions: What is informed consent? Why is it important? Who is involved in the process? Where and when does informed consent take place? And finally, how should the process be conducted? Additional topics to be discussed include electronic consent, short form consent, and the re-consent process. Best practices and case studies will also be reviewed.

Overview of Clinical Research Resources
Recurring monthly on the 2nd Tuesday
Thursday, July 20 (moved from Tuesday this month)
10:00 a.m. – 11:00 a.m.
800 Welch Road, Rm. 180
Designed for new clinical research personnel, this class is an introduction to navigating the clinical research landscape at Stanford.

ClinicalTrials.gov Overview
Wednesday, July 26, 2017
12:15 p.m. – 1:45pm
Li Ka Shing Center, LK130
Registration required.
Learn all about ClinicalTrials.gov: Which types of studies must be registered and reported, what responsibilities Stanford clinical researchers have, and what steps should be taken to ensure compliance with regulations and NIH policy.

Understanding Phases of Research and Types of Studies
Tuesday, August 15
9:00 a.m. – 10:00 a.m.
Li Ka Shing Center, LK130
Register here: http://bit.ly/CTR-5060 (attend in-person or via webcast)
(Clinical Research Operations Program elective)
This course describes the basics of clinical research from pre-clinical testing through Phase IV research as well as discusses the proper characteristics of research design and reviews basic study design terminology.

IRB Reporting - Event, Unanticipated Problems, Non-Compliance
Wednesday, August 23
12:15 p.m. – 1:45 p.m.
Do I need to submit this to the IRB? This course will answer questions and provide...
guidance on how to submit reportable events, unanticipated problems, and noncompliance to the IRB.

**ClinicalTrials.Gov Results Reporting**

Wednesday, September 27  
12:15 p.m. – 1:15 p.m.  
Li Ka Shing Center, LK130  

With good planning, clear protocols, solid statistical design and some basic tools, reporting results to ClinicalTrials.gov isn’t as hard as you might expect. This class will guide you through the requirements and steps needed to get study results accepted by the CT.gov quality reviewers the first time.

**About our Clinical Research Certification Program**

Spectrum has expanded its training courses for clinical research personnel and has added a certification program for those who master the specialized skills and knowledge associated with conducting clinical research at Stanford. To join the certification program, please email jpmeyer@stanford.edu or visit the website here.

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**Photos courtesy of:** JMIR Public Health and Surveillance (tablet map); LabTV (Dr. Einav); Sanjay Basu (Dr. Basu); Manu Prakash (Tanzanian foldscope users); iStock (hand); SGI (supercomputer)

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