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Sample Size Calculation Workshop June 13-14

The UC Clinical & Translational Research Training Program will present **Sample Size Calculation with R: A Two-Day Workshop**, June 13-14 from 9 AM-5 PM in Kehoe Auditorium, Kettering Laboratory, UC College of Medicine.



MB Rao, PhD

Sample size calculations are basic in any planned study, whether retrospective or prospective. This workshop provides a thorough grounding in core ideas, formulas, and formula execution in a wide variety of design settings using the free computing software R. The instructor, **MB Rao, PhD** has joint appointments in epidemiology & biostatistics and biomedical engineering, and more than 30 years of experience in teaching, research, and consulting.

Online registration is **required**. Both graduate credit and non-credit options are offered. Non-credit registrants may participate online, via live streaming video. For complete details [click here](#) or contact [Jackie Knapke](#).

CCTST Grand Rounds June 21

Utilizing the process of design thinking in translational research and healthcare is the topic of the next CCTST Grand Rounds on Friday, June 21 from 11 AM to 1 PM in Room 4051 of the UC Medical Sciences Building (MSB).



Craig Vogel, MID

From 11 AM to 12 noon, **Craig Vogel, MID**, professor of industrial design and associate dean of graduate and research studies in the UC College of DAAP, will discuss **"The Role Design Thinking Can Play in Translational Research and Patient Centered/Empathic Health Care."** Participants will develop a functional literacy in design with an understanding of the potential role it can play in healthcare; understand how design can work with existing strategies to improve healthcare; and learn design methods to improve the way they address challenges and opportunities.

From 12-1 PM, **Lori Crosby, PsyD**, associate professor, behavioral medicine and clinical psychology, Cincinnati Children's and **Linda Dunseath**, executive director of the [Live Well Collaborative](#) will present **"Using Design Thinking to Enhance the Transition to Adult Care in Pediatric Sickle Cell Disease."** Participants will learn how the design process was used to conduct a qualitative research study with adolescents with sickle cell disease; how one patient-oriented transition tool is currently being tested and refined; and some of the benefits of using design thinking in research studies.

CCTST Grand Rounds are free and open to the public. CME is offered. Lunch is available to CCTST members ([join free of charge](#)) who RSVP to [Elizabeth Heubi](#) by June 19. See the [event flyer](#) for more information.



Lori Crosby, PsyD



Linda Dunseath

Just-in-Time Pilot Funds Available July 1

This CCTST small grants program is designed to support clinical and translational science investigators who are seeking preliminary data in the next 3-6 months for K23, R01 or similar new or revised extramural grant submissions and need the services of one or more institutional cores.

Investigators may apply for up to \$7,500 annually in support. UC faculty with 80% or greater FTE, including those based at Cincinnati Children's Hospital Medical Center and Cincinnati Veterans Affairs Medical Center, are generally eligible to apply.

Funds are limited and awards are made on a continuing basis, so application early in the fiscal year is encouraged. [See the RFA](#) for complete details, including a list of participating cores, visit the [CCTST Pilot & Collaborative Studies page](#), or email [Katie Scharf](#).

Meet the Methodologist: Bin Zhang, PhD



Bin Zhang, PhD

Bin Zhang, PhD received his doctorate in statistics from the University of Missouri in 2009, joining the Department of Biostatistics at the University of Alabama-Birmingham as an assistant professor the same year. Dr. Zhang joined the CCHMC faculty in 2012, where he is currently an assistant professor in the Division of Biostatistics and Epidemiology.

Dr. Zhang's research focuses on survival analysis, longitudinal data analysis, optimal design and their applications in clinical trials. He served as the statistics team leader for the Collaborative Antiviral Study Group (CASG), which conducted pediatric and adult trials on rare diseases funded by NIH. He also served as deputy director of the Statistical and Data Management Center of Mycoses Study Group (MSG), and as biostatistician for several additional projects focusing on children's health funded by NIH.

Dr. Zhang is currently the PI of a CCTST Methodologic Research program grant to develop new methodologies for analyzing interval censored data. His research interests also include cancer studies, cardiovascular disease and children's asthma. He is a featured presenter at the BERD monthly seminar series July 9 (see article below).

"Meet the Methodologist" is a regular NewsBrief feature of faculty affiliated with the CCTST Biostatistics, Epidemiology & Research Design (BERD) core. Past profiles, an archive of presentations and more are [available here](#).

BERD Monthly Seminar Series July 9

The Biostatistics, Epidemiology & Research Design (BERD) core of the CCTST features 2 presentations at the July 9 edition of its monthly seminar series, 3:00-4:45 PM in Room 5.125 of CCHMC Location S.

Multiple Testing When There are Correlated Outcomes in Medical Research will be discussed by **Changchun Xie, PhD**, assistant professor of biostatistics in the UC Department of Environmental Health.

Uterine Fibroids and Infants Hearing Loss Studies Using Interval Censored Data Analysis will be discussed by **Bin Zhang, PhD**, assistant professor, Division of Biostatistics and Epidemiology, CCHMC (see profile in "Meet the Methodologist" above).

Registration not required. For more information, or to be added to the BERD distribution list, please contact [Bettie Durant](#).

Need assistance with your clinical/translational research project? [CCTST membership](#) (free of charge) is required for service. We now have over **1,960** members (and counting!).

Already a member? Please [log in from our home page](#) and click "Request Assistance with Your Research Project." The CCTST provides up to 10 hours of support per investigator per grant year (April 1-March 31), funded by the CTSA grant; 1 Research Central hour equals 1 hour of doctoral-level methodologic support or 2 hours of master's-level support. Additional hours, if needed, are billed at established rates.

What does the CCTST do?

Established in 2005, the CCTST provides guidance, information, support, resources and training to researchers across and beyond the Academic Health Center, with the support of an NIH Clinical and Translational Science Award (CTSA). Whether you're at UC, Cincinnati Children's, the Cincinnati VA Medical Center, UC Medical Center, or in the Greater Cincinnati community, we're here to help.

Can't find what you're looking for? [Contact us](#) or [visit our website](#).

More Events

[click links for details](#)

June 13, 2:30-3:30 PM: Translational Cancer Research Seminar Series, [MicroRNAs in AML: Biology, Prognostic and Therapeutic Implications](#). [Guido Marcucci, MD](#), associate director of translational research, Comprehensive Cancer Center, Ohio State University. CCHMC Research Auditorium, 3381 Location R.

June 13-14, 9 AM-5 PM: [Sample Size Calculation with R: A Two-Day Workshop](#). [Marepalli Rao, PhD](#), professor, UC epidemiology and biostatistics. Kettering Laboratory, UC College of Medicine. See article above left.

July 9, 8 AM-6 PM: [Center for Immunological Research Retreat](#), OASIS Conference Center, Loveland. [Register here](#).

July 9, 3:00-4:45 PM: [BERD Monthly Seminar Series](#), 5.125 CCHMC Location S. See article below left.

July 15: Fall semester registration deadline for [Clinical Research Certificate Program](#) courses at UC Blue Ash College (Aug. 26-Dec. 14). Details: [Karen King, PhD](#).

SAVE THE DATE!!!

Sept. 18: [Imaging & Cytometry Research Day](#) at CCHMC. Sponsored by the Ohio River Valley Cytometry Association.

Sept. 19-20: [11th annual Midwest Blood Club Symposium](#) at CCHMC.

Sept. 20: [15th annual Human Subject Protection Conference: We Can Work It Out](#). N. Ky. Convention Center. Sponsored by Schulman Associates IRB, UC, CCHMC & UK.

Oct. 24, 8:30 AM-1 PM: [CCHMC Shared Facilities Day](#), 1.203-04 Location S.

Questions or comments? [Contact us](#).

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