

CREST Core Faculty

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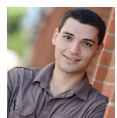
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CREST Program

*Clinical
Research
Enhancement through
Supplemental
Training*

*For doctoral candidates, postdoctoral fellows,
junior faculty, and clinical researchers or
translational researchers.*

CREST



University of California
San Diego



The UCSD's ACTRI-CREST Program

As part of its initiative to improve the quality of training in clinical research, the NIH has instituted the CTSA Award. The CTSA is intended to stimulate the inclusion of high-quality, multidisciplinary didactic training as part of the career development of clinical investigators. The award supports programs that provide in-depth instruction in the fundamental skills, methodology, theories and conceptualizations necessary for the well-trained, independent clinical researcher.

The UCSD Clinical and Translational Research Institute's CREST program

Entitled Clinical Research Enhancement through Supplemental Training (CREST), it is designed to improve the training of clinician investigators and translational researchers by providing a comprehensive, cohesive infrastructure in an environment which promotes interaction between basic scientists and clinical researchers. Scholars differ in levels of prior training and experience in areas covered by the curriculum, in levels of commitment, and in interests. In order to accommodate the varying needs we have incorporated two mechanisms to permit flexibility while retaining the benefits of structured modular instruction. First, scholars spend the majority of their time working on their primary focus for training as a basic scientist or a clinician investigator. Second, scholars are able to select from two training tracks for participating in the CREST program to supplement their training. Participants are assessed on application to the program for their goals and needs for training in specific areas. In order to accommodate the participants' busy research and clinical schedules, the courses are offered at La Jolla on Wednesdays and/or Thursdays from

4pm -6pm. To accommodate our participants' busy research and clinical schedules, the courses are offered on Wednesdays and/or Thursdays from 4pm -6pm at La Jolla. The CREST program has a modular format consisting of eight 10-week courses and professional development modules offered over a two-year period. CREST scholars can enroll in any of the individual courses (Track I) or in the full two-year program (Track II). Track II scholars have the option to transfer to the UCSD Masters of Advanced Studies in Clinical Research during the first/second year of training and apply 20 credit of the CREST curriculum credits towards the Masters degree.



CREST Courses

Epidemiology I

Topics: Design and analysis of descriptive, observational and experimental studies, confounding, bias, measurement issues, interpretation.

Epidemiology II

Topics: Application of methods to special populations and research topics, including genetic analyses and meta analyses.

Patient Oriented Research I

Topics: Design and Analysis of Clinical Trials, Statistical Issues, Data Management, Financing, Protocol Implementation, Monitoring

Patient Oriented Research II

Topics: Research Ethics, Regulation of Human Research, Scientific Integrity.

Biostatistics I

Topics: SPSS Statistical Software, Data Summaries and Graphics, Probability and Sampling, Estimation, Confidence Intervals and Hypothesis Testing, Comparing Two Groups: Continuous and Binary Outcomes, ANOVA.

Biostatistics II

Topics: Simple and Multiple Linear Regression, Logistic Regression, Survival Analysis: Kaplan Meier Curves and Cox Proportional Hazards Models, Data Analysis in SPSS.

Health Services Research

Topics: Measuring Health and Cost Outcomes, Qualitative Research, Cost-Effectiveness, Patient Preferences, Practice Guidelines

Data Management and Informatics

Topics: Principles of Good Clinical Practice, Database Design for Clinical Researchers, Confidentiality / Security / HIPAA, Using the Internet, Rational Forms Design, Specialized Data Management Technologies for Research, Technology Assessment Methods, Creating Data Management Plans.

Scientific Communication Course

Scientific Writing and Grant Writing

Professional Development Module

Seminar Topics: Effective Communications and Project Mgmt. and Research Budgeting and Billing

Who should apply?

The CREST program is for postdoctoral fellows, junior faculty members and doctoral candidates who are interested in pursuing a career in clinical or translational research involving human subjects as well as for pharmacists & nurses involved in clinical or translational research. Program participants need to be affiliated with UCSD. Applicants will be accepted on a space available basis.

The CREST program has two tracks:

Track I

For those who are interested in attending selected modules only. Enrollment is on a space available basis

Track II

For scholars committed to participating in the full program, including completion of all modules.

Application Deadlines:

Track II: January session—September 30
July session - April 30

Track I: year round based on space availability

Fees

UCSD residents, fellows (including laboratory-based fellows), and faculty pay a discounted fee that covers the costs for all lectures, seminars, and course materials, including books.

Application form and other information, can be found on the CREST website: <http://crest.ucsd.edu>
Need additional info, please contact CREST office:

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For those who are interested in the Master of Advanced Studies in Clinical Research degree, enrollment details and fees can be found at the Masters Degree program web site:
<http://clre.ucsd.edu/>