



## CLINICAL RESEARCH CERTIFICATE PROGRAM • ON CAMPUS

The **Clinical Research Certificate Program** developed in partnership with the UC Irvine School of Medicine, is designed to prepare medical students, academics, physicians, industry and hospital based researchers to conduct, implement and interpret clinical research at the intersection between basic science and clinical medicine. It is designed to bring diverse disciplines together to address the increasing gap between “bench” research and “bedside” application and from bedside application to improved healthcare quality.

### WHO SHOULD ENROLL

The **Clinical Research Certificate** is ideal for practicing physicians, junior faculty in clinical departments, residents, academics, industry, hospital based researchers, fellows and 4th year medical students and others who are interested in the conduct, interpretation and implementation of clinical research that translates biomedical discoveries into clinical practice, improves the delivery of high quality care and informs health care policies.

Courses within this certificate program carry full graduate course credit at UCI's School of Medicine and most can be directly applied to the school's MS degree in Biomedical and Translational Sciences (MS-BATS). Students will be able to concurrently enroll in these courses via ACCESS UCI through UCI Division of Continuing Education.

### PROGRAM BENEFITS

- Acquire foundational skills and techniques to be able to collaborate successfully with colleagues in basic sciences and other disciplines in the effective conduct of high quality clinical research, and applied to a broad spectrum of clinical issues and settings
- Develop competency in study design reflecting the breadth and complexity of clinical and translational science applications (i.e., beyond clinical trials)
- Understand how to conduct and manage clinical research
- Understand the use of medical statistics, data analysis, and the use of data repositories
- Develop skills in communication, problem solving, educational methods, research and management, related to a clinical translational research

Offered in collaboration with  
**UCI** School of Medicine

## CERTIFICATE ELIGIBILITY AND REQUIREMENTS

A certificate is awarded upon completion of 4 required courses for a total of 16 units (160 hours) with a grade of "B" or higher in each course. All requirements must be completed within 5 years after the student enrolls in his/her first course.

Students may enter the program at any time, however *Introduction to Medical Statistics* is a prerequisite for *Introduction to Clinical Epidemiology and Medical Decision Making* and *Design & Analysis of Clinical Research Trials*.

## PROGRAM FEES

Actual fees may differ from the estimate below. Fees are subject to change without prior notice.

Course Fees (16 required units)	\$6,186
Candidacy Fee	\$125
Textbooks and Materials	\$600
<b>Total Estimated Cost</b>	<b>\$6,911</b>

## TO ENROLL

Visit [ce.uci.edu/clinicalresearch](http://ce.uci.edu/clinicalresearch) for full course descriptions, instructor biographies, and to enroll.

## FOR MORE INFORMATION:

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## CLINICAL RESEARCH CERTIFICATE PROGRAM

COURSE#	REQUIRED COURSES	UNITS
BATS 209A	Introduction to Medical Statistics	4
BATS 210A	Introduction to Clinical Epidemiology and Medical Decision Making	4
BATS 232	Design & Analysis of Clinical Research Trials	4
BATS 296	Ethics in Clinical Research	4

## ADVISORY COMMITTEE

**Ralph V. Clayman**, M.D., Professor, Department of Urology, University of California, Irvine School of Medicine

**Paul Curry**, M.D., Past Chief of Staff, Hoag Memorial Hospital Presbyterian; Assistant Professor, Department of Anesthesiology and Perioperative Medicine, University of California, Los Angeles

**Alan Goldin**, M.D., Ph.D., Professor, Microbiology & Molecular Genetics, Department of Anatomy and Neurobiology, University of California, Irvine School of Medicine

**Sheldon Greenfield**, M.D., Donald Bren Professor of Medicine, Executive Director, Center for Health Policy Research, University of California, Irvine School of Medicine

**Zeev Kain**, M.D., Associate Dean for Clinical Research Professor and Chair, Department of Anesthesiology & Perioperative Care, University of California, Irvine School of Medicine

**Sherrie H. Kaplan**, Ph.D., MPH, Professor of Medicine, Assistant Vice Chancellor, Healthcare, Evaluation and Measurement, Executive Co-Director, Health Policy Research Institute, University of California, Irvine School of Medicine

**Scott Whitcup**, M.D., Executive Vice President, Head R & D & Chief Scientific Officer, Allergan