

UCLA/AUPO INTRODUCTORY COURSE ON CLINICAL RESEARCH FOR OPHTHALMOLOGY RESIDENTS, FELLOWS, AND FACULTY

ENDORSED BY ARVO

12-14 SEPTEMBER 2008

AUPO leadership, in association with the Jules Stein Eye Institute (JSEI), is pleased to announce the second biennial **UCLA/AUPO Introduction to Clinical Research** course, which has been endorsed by ARVO. The inaugural course in 2006 was attended by more than 100 residents, fellows, and faculty from programs throughout the United States, and evaluations of the course by attendees were uniformly and strongly positive. The 2008 course will build upon that success.

One of major objectives of the AUPO is promotion of research in ophthalmology; the AUPO Board of Trustees believes strongly that skills learned by participation in research are invaluable components of the education of an ophthalmologist. The AUPO Resident and Fellow Research Forum provides an opportunity for selected residents to interact with Chairs and Program Directors, but the AUPO recognizes that only a few residents are impacted by this program each year. The AUPO/UCLA course provides an additional means of promoting research training among a larger group of residents and fellows.

The course addresses the need for comprehensive, entry-level instruction for beginning researchers and for those without training in the interpretation of research reports, but is applicable to those already involved in clinical investigation, as well. The 2008 course will be open to residents at all levels of training, to clinical fellows, and to faculty. It will be particularly relevant for residents early in their training programs, prior to beginning research projects of their own. For faculty attending the course, it will cover material that can later be incorporated into training programs at their own institutions.

As in 2006, the upcoming course will emphasize practical information that is directly applicable to resident and clinical fellow research activities, and will assume that attendees do not have extensive experience with patient-based research. It will also highlight the value of research data for clinicians, whether or not they eventually participate in research or pursue academic careers. The course will deal with research methods and with related issues, such as

regulations that affect research and scientific publication. Concepts will be emphasized; for example, the uses and interpretation of various statistical measures will be presented, to help residents and clinical fellows avoid inappropriate use of statistics, but the course will not specifically train attendees to perform statistical tests. Based on feed-back from course participants in 2006, additional topics will be added to the discussions, such as strategies for complete, high-quality electronic literature searches.

The course will focus on the types of studies performed most commonly by residents (e.g. case series, laboratory data from patient cohorts, and cross-sectional studies). The course will help residents to design studies, analyze data, and prepare publications, but it will also improve their abilities to read the medical literature critically, which is a requisite for the practice of evidence-based medicine.

REPRESENTATIVE TOPICS FOR DISCUSSION

- I. IRB/HIPAA Regulations (as they relate to patient-based research).
 - A. Waivers.
 - B. Exemptions.
 - C. Informed consent.
- II. Ethical Issues in Research and Publication.
 - A. Authorship.
 - B. Conflicts of interest.
- III. Study Design.
 - A. Case series, cohort studies, case control studies, randomized clinical trials; value and limitations of each study type.
 - B. Creation of appropriate control groups.
 - C. Issue of differential follow-up.
 - D. Outcome measures.
 - E. Data quality, and dealing with problem data.
- IV. Statistical Issues and Concepts.
 - A. Type 1 errors, Type 2 errors.
 - B. Statistical significance vs. clinical relevance.
 - C. Understanding odds ratios, relative risk values, positive and negative predictive values.

- V. Computerized literature searches and utilization of other electronic information services.
- VI. Manuscript Preparation.
 - A. Organization of a research paper.
 - B. Techniques of data presentation.
 - C. Common problems that reduce quality of a manuscript.
 - D. Examples of “good” and “bad” articles, discussed in an interactive format.

The course is organized by Gary N. Holland, M.D. and Bartly J. Mondino, M.D. through the JSEI Clinical Research Center. Course faculty include individuals from the David Geffen School of Medicine at UCLA, the UCLA School of Public Health, and invited Guest Lecturers, representing a broad spectrum of expertise related to research activities. Also included among the instructors will be representatives from the UCLA IRB and individuals with expertise in scientific writing, editing, and publishing. Guest Lecturers for 2008 include Frederick L. Ferris, III, M.D. (National Eye Institute), Douglas A. Jabs, M.D., M.B.A. (Mt. Sinai School of Medicine), and Thomas J. Liesegang, M.D. (Editor-in-Chief, *American Journal of Ophthalmology*). Sessions will be informal, with close interaction between attendees and course faculty.

The course will begin Friday evening, 12 September 2008, to allow participants from the East Coast to travel that morning. The course will conclude with lunch on Sunday, 14 September 2008, allowing participants sufficient travel time to return home on the same day, thereby minimizing time away from their training programs.

REGISTRATION CONTACT INFORMATION

Residents and clinical fellows must be selected by their Departments for participation, but there is no limit on the number of registrants. Programs interested in the course should contact Ms. Debbie Sato of the Academic Programs Office, Jules Stein Eye Institute (telephone: 310-825-4617; email: sato@jsei.ucla.edu). Course attendees or the programs they represent will be responsible for travel and lodging expenses, but there will be no registration fee for the course. The deadline for registration will be Friday, 1 August 2008.

**UCLA/AUPO INTRODUCTORY COURSE ON CLINICAL RESEARCH
FOR OPHTHALMOLOGY RESIDENTS, FELLOWS, AND FACULTY
12-14 SEPTEMBER 2008**

Friday, 12 September 2008

5:00-6:00pm Welcome Reception in the Adam Room at JSEI
6:00-8:00pm Introduction and Lectures in the RPB Auditorium at JSEI

Saturday, 13 September 2008

8:00-8:30am Continental Breakfast in the Covell Commons Conference Center at UCLA
8:30-5:00pm Lectures and Discussion Sessions

Sunday, 14 September 2008

8:00-8:30am Continental Breakfast in the RPB Auditorium at JSEI
8:30am-12:00pm Lectures and Discussion Sessions
12:00pm Adjournment

COMPLIMENTARY REGISTRATION

Participant Name: _____

E-mail: _____

Phone: _____

Training Program: _____

A limited number of guest rooms have been reserved at the Covell Commons lodging facility at rates of \$108 (single) and \$126 (double) per night. Please complete information below to reserve a room.

_____ Single _____ Double, rooming with _____

Please circle one: VISA Mastercard American Express

Account Number

Expiration Date

Name on Account

Authorized Signature

Please submit registration to:

Debbie Sato

Academic Programs, JSEI, 100 Stein Plaza, UCLA, Rm3-223, Los Angeles, CA 90095-7000

FAX: 310-206-8015 or E-mail: sato@jsei.ucla.edu

Telephone: 310-825-4617