

Department of Pathology & Laboratory Medicine

# Scientific and Clinical Advances Grand Rounds

Experimental Pathology Research

## Breast cancer resistance: HER2-mediated repopulation of cancer stem cells and reprogramming mitochondrial bioenergetics

Jian Jian Li, MD, PhD

Director of Translational Research  
Department of Radiation Oncology  
University of California, Davis

Thursday, October 22, 2015  
noon to 1:00 p.m.

UC Irvine Health School of Medicine  
845 Health Sciences Road  
Gross Hall, 4th Floor, Thorp Conference Center  
Irvine, CA 92697

**Global Objectives:**

- Review recent advances in the recognition and diagnosis of current and emerging disease states.
- Discuss the pathophysiology of various disease states and the multi-disciplinary considerations that affect patient care outcomes.
- Identify recent changes in requirements for accreditation, licensing, and regulatory compliance in across all divisions of pathology.
- Discuss recent developments in scientific research and their application to the practice of pathology and laboratory medicine.
- Discuss recent developments in diagnostic technologies and their application to the provision of enhanced laboratory services.

**Statement of Purpose:** Scientific and Clinical Advances is a lecture series established to provide continuing updates on the various disciplines of pathology with emphasis placed on the clinical applications of current research and the role of the laboratory in specific areas of patient care. Also addressed are current faculty research updates, technological developments and new diagnostic testing methodologies.

**Target Audience:** The target audience includes faculty and physicians at UC Irvine Health, community pathologists, and professional and technical staff at UC Irvine Health Pathology Laboratories.

**Accreditation Statement:** The University of California, Irvine School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Designation Statement:** The University of California, Irvine School of Medicine designates this live activity for a maximum of 1 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**ADA:** In compliance with the Americans with Disabilities Act, we will make every reasonable effort to accommodate your request. For any special requests, please contact Stefani Ching at 949.824.5367, at least five days before the meeting.

This activity is in compliance with **California Assembly Bill 1195**, which requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. For specific information regarding Bill 1195 and definitions of cultural and linguistic competency, please visit the CME web site at [www.cme.uci.edu](http://www.cme.uci.edu).

**Disclosure:** Dr. Li declares that he does not have a financial interest or other relationship with manufacturer(s) of any commercial product or apparent conflict of interest related to the content of his presentation. Dr. Li further discloses that he will not be discussing any unlabeled or unapproved uses of devices/drugs in his presentation.

**Course Director/Planners:** Sherif Rezk, MD, Dan Mercola, MD, PhD, and Chung Lee, PhD, have disclosed that, as course director and planners they have no affiliations, arrangements or financial agreements which could be perceived as a potential conflict of interest.