



David Geffen  
School of Medicine

# MRI, Targeted Biopsy, Intervention and Biomarkers in Prostate Cancer Management: A Paradigm Shift in Detection, Grading, Monitoring, Staging, Reporting, Biopsy and Treatment



**Saturday, February 17, 2018**

**UCLA Meyer & Renee Luskin Conference Center**

**UCLA Campus  
Los Angeles, California**

**UCLA** Health

Radiology

**CME** OFFICE OF  
CONTINUING  
MEDICAL  
EDUCATION

DAVID GEFEN SCHOOL OF MEDICINE at **UCLA**

# MRI, Targeted Biopsy, Intervention and Biomarkers in Prostate Cancer Management:

A Paradigm Shift in Detection, Grading, Monitoring, Staging,  
Reporting, Biopsy and Treatment

## General Information:

**Saturday, February 17, 2018**

## Registration Fees:

MD Early bird (by January 28, 2018)	\$275
MD (beginning January 29, 2018)	\$325
Fellows/Residents/Techs	\$200

## Program Location:

### **UCLA Meyer & Renee Luskin Conference Center**

425 Westwood Plaza  
Los Angeles, CA 90095  
855-522-8252

[www.luskinconferencecenter.ucla.edu](http://www.luskinconferencecenter.ucla.edu)

## Refunds:

Cancellations must be received in writing by Friday, February 2, 2018 and will be subject to a \$50 processing fee. No refunds will be granted after the cutoff date. If, for any reason, the course must be canceled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

## Directions and Parking:

From the 405 freeway, exit Wilshire Blvd., East toward Westwood. Turn left on Westwood Blvd., travel past Charles E. Young Dr. South and turn left on Structure 8 driveway. Drive up the ramp to the rooftop level to park. Parking attendants will be selling permits from 6:30 AM - 8:30 AM. If you arrive outside of this time frame, please visit the parking kiosk on Westwood Plaza to pay for your parking permit. Participants are responsible for their own parking charges at a rate of \$12 per vehicle. The Luskin conference center is located at Westwood Plaza and Strathmore Place.

## Additional Information:

If you have any questions, please contact the UCLA Office of Continuing Medical Education at (310) 794-2620 or visit our website at [www.cme.ucla.edu](http://www.cme.ucla.edu).

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## Faculty

### Course Director

#### **Steven S. Raman, MD, FSAR, FSIR**

Professor of Radiology, Urology and Surgery  
David Geffen School of Medicine

### UCLA Faculty

#### **Corey Arnold, PhD**

Assistant Professor of Radiology and Bioengineering  
David Geffen School of Medicine

#### **Albert Chang, MD, PhD**

Associate Professor and Vice Chair, Surgical Services  
Director of Brachytherapy Services  
David Geffen School of Medicine

#### **Johannes Czernin, MD**

Professor of Molecular Pharmacology  
David Geffen School of Medicine

#### **Ely Felker, MD**

Assistant Professor of Radiology  
David Geffen School of Medicine

#### **William Hsu, PhD**

Associate Professor of Radiology  
David Geffen School of Medicine

#### **David S. K. Lu, MD**

Professor of Radiology and Surgery  
David Geffen School of Medicine

#### **Leonard Marks, MD**

Professor of Urology  
David Geffen School of Medicine

#### **Justin McWilliams, MD**

Associate Professor of Radiology  
David Geffen School of Medicine

#### **Allan Pantuck, MD**

Professor of Urology  
David Geffen School of Medicine

#### **Matthew Rettig, MD**

Professor of Oncology  
David Geffen School of Medicine

#### **Robert Reiter, MD**

Professor of Urology  
David Geffen School of Medicine

#### **Anthony Sisk, DO**

Assistant Professor of Pathology  
David Geffen School of Medicine

### Guest Faculty

#### **Daniel J. Margolis, MD**

Associate Professor of Radiology  
Weill Cornell School of Medicine

# PROGRAM

## Saturday, February 17th

7:00	Breakfast and Registration	
8:00	Introduction to Prostate MRI	Steven S. Raman, MD, FSAR, FSIR
8:10	T2/Anatomy	Daniel J. Margolis, MD
8:25	Diffusion Weighted Imaging	Daniel J. Margolis, MD
8:40	Perfusion Imaging	Daniel J. Margolis, MD
8:55	Understanding PIRADS v2	Ely Felker, MD
9:10	Case 1: Active Surveillance and MRI	Steven S. Raman, MD, FSAR, FSIR
9:15	Active Surveillance and MRI	Leonard Marks, MD
9:30	Active Surveillance and Targeted Fusion Biopsy	Leonard Marks, MD
9:45	US Fusion Biopsy Systems: UroNAV and Koelis	Allan Pantuck, MD
10:00	MRI-Guided In-Bore Prostate Biopsy	David S. K. Lu, MD
10:15	Panel Discussion	
10:30	Morning Coffee Break	
11:00	Case 2: Surgical and Radiation Planning MRI	Steven S. Raman, MD, FSAR, FSIR
11:05	Indications for Prostate MRI	Daniel J. Margolis, MD
11:20	PSMA PET: The Best for Prostate Cancer Dx ?	Johannes Czernin, MD
11:35	Surgical Planning with Prostate MRI	Robert Reiter, MD
11:50	Prostate Pathology	Antony Sisk, DO
12:05	Radiation Therapy Planning and MRI	Albert Chang, MD, PhD
12:20	Panel Discussion	
12:35	Lunch	
1:25	Case 3: Focal Therapy: Hope or Hype ?	Ely Felker, MD
1:30	Pros of Focal Therapy	Leonard Marks, MD
1:45	Cons of Focal Therapy	Robert Reiter, MD
2:00	MR Imaging of Focal Therapy	Ely Felker, MD
2:15	Prostate Cryo, HIFU and Laser Ablation	Leonard Marks, MD
2:45	Emerging Ablative Therapies	Steven S. Raman, MD, FSAR, FSIR
3:00	Prostate Artery Embolization	Justin McWilliams, MD
3:15	Panel Discussion	
3:30	Afternoon Coffee Break	
4:00	Artificial Intelligence and Prostate MRI: The Future	Corey Arnold, PhD
4:15	Utility of Prostate Biomarkers	Robert Reiter, MD
4:30	PI-RADS v2 as an Imaging Biomarker	Daniel J. Margolis, MD
4:45	Radiogenomics and MRI: Imaging and Biology	William Hsu, PhD
5:00	Imaging as a Predictive Biomarker	Robert Reiter, MD
5:15	Understanding Advanced Prostate Cancer	Matthew Rettig, MD
5:45	Panel Discussion	
6:00	Adjourn	



Application for Enrollment (Please Print)

Course Title and Number		Registration Fee
MRI, Targeted Biopsy, Intervention and Biomarkers in Prostate Cancer Management		M178-28
MD Early bird (by January 28, 2018)	\$275	TOTAL
MD (beginning January 29, 2018)	\$325	
Fellows/Residents/Techs/Nurses	\$200	

Last four digits of your Social Security Number

Name (First/Middle/Last)

☐ Male ☐ Female

Degree

Specialty

Preferred Mailing Address

City/State/ZIP

( ) -

Area Code Phone

( ) -

Area Code Fax

Email Address

☐ Check enclosed payable to: Regents of the University of California

Charge: ☐ MasterCard ☐ Visa ☐ American Express ☐ Discover

Card Number

Expiration Mo/Yr

Authorizing Signature

Enrollment:

**Online** – Go to [www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses), click on **A Paradigm Shift in Detection, Grading, Monitoring, Staging, Reporting, Biopsy and Treatment**, and click the registration button. You may use your MasterCard, VISA, American Express or Discover card to register online.

**By Mail** – Use the form attached. Mail to:  
UCLA Office of Continuing Medical Education  
MRI, Targeted Biopsy, Intervention and Biomarkers in Prostate Cancer Management  
10920 Wilshire Blvd., Ste. 1060  
Los Angeles, CA 90024-6512

**By Fax** – Send the completed enrollment form with credit card information and authorizing signature. FAX 310-794-2624.

**By Phone** – Use your MasterCard, VISA, American Express or Discover Card.  
Call the Office of CME at 310-794-2620.

Please visit our website for other UCLA CME offerings: [www.cme.ucla.edu](http://www.cme.ucla.edu)

**Early registration is recommended as space is limited!**

# MRI, Targeted Biopsy, Intervention and Biomarkers in Prostate Cancer Management:

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## Course Description:

Prostate cancer is the second most common solid organ malignancy diagnosed in men. Unlike other solid organ malignancies, the challenge in prostate cancer is to confidently identify men with moderate and high grade cancers who would benefit most from aggressive therapy and triage the rest to active surveillance. Uniquely among solid organ cancers, imaging has not been a traditional part of the workup for prostate cancer, which has relied instead on transrectal US-guided template biopsy. Over the past few years, MR imaging has emerged as the best imaging modality to detect, grade and stage prostate cancer and is considered a valuable biomarker. The course will focus on the evolving role of MR imaging in prostate cancer diagnosis, monitoring, targeted biopsy and in focal and whole gland therapy planning. We will review all relevant MR imaging components of prostate cancer, new molecular modalities such as PSMA PET and an update on prostate cancer biomarkers.

## Target Audience:

Radiologists, urologists, radiation and medical oncologists and primary care physicians interested in understanding prostate MR imaging and its applications for active surveillance, biopsy planning and acquisition, surgical planning and radiation planning and its role as a prostate biomarker

## Course Objectives:

At the conclusion of this course, participants should be better able to:

- Understand state-of-the art prostate MR imaging, biomarkers and artificial intelligence
- Integrate prostate MR imaging into active surveillance and targeted biopsy planning
- Incorporate prostate MR imaging into robotic prostatectomy and radiation planning
- Illustrate the role for molecular imaging of prostate cancer: PSMA, Axumin and Choline PET
- Evaluate the risks and benefits of focal and whole gland therapies

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## Accreditation:

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 8 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Approved by the ASRT for Category A continuing education credit.

## Disclosure Statement:

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the sponsor adequately manage all identified potential conflicts of interest prior to the program. We, at UCLA, fully endorse the letter and spirit of these concepts.



UCLA Office of Continuing Medical Education  
David Geffen School of Medicine at UCLA  
405 Hilgard Avenue MC29  
Los Angeles, CA 90095-6938

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