



University of California  
San Francisco

**UCSF Osher Mini Medical School for The Public  
Personalized Medicine Powered by Precision Imaging**

*(COURSE #: MLL18003)*

**Thursdays, October 12 – November 16**

**7:00 pm – 8:30 pm**

**UCSF's Parnassus Campus – School of Nursing Building Room N-225**

**Course Chairs**

**William P. Dillon, M.D.**

Professor and Executive Vice Chair  
Department of Radiology & Biomedical Imaging

**Christopher P. Hess, M.D., Ph.D.**

Professor and Associate Chair  
Department of Radiology & Biomedical Imaging

**Course Title: Personalized Medicine Powered by Precision Imaging**

**Course Description**

Meet world-renowned experts from the UCSF Department of Radiology and Biomedical Imaging who are using and developing new, innovative precision imaging tools to enhance diagnosis, improve disease monitoring, and optimize treatment in the individual patient. In close partnership with subspecialty physicians from other UCSF departments, radiologists are now able to use these tools to pinpoint and better treat disorders such as prostate cancer, breast cancer, and degenerative spine and joint disease at earlier stages. This series of lectures will explain how emerging technologies – including specific artificial intelligence platforms – will rely upon imaging to dramatically improve accuracy, safety, and outcomes for patients in the very near future.

<b>Date</b>	<b>Title</b>	<b>Speaker(s)</b>	<b>Location</b>
<b>October 12, 2017</b>	<b>Cancer Detection and Treatment through Molecular Imaging: Theranostics at UCSF</b>	Thomas Hope, MD; Robert Flavell, MD, PhD; and Charles Ryan, MD	School of Nursing Building, Room N-225
<b>October 19, 2017</b>	<b>Back and Neck Pain: Precision Spine Diagnosis Guides Therapy</b>	Vinil Shah, MD; Cynthia Chin, MD; and Aaron J Clark, MD, PhD	School of Nursing Building, Room N-225
<b>October 26, 2017</b>	<b>Prostate Health: Risk, Detection, and Optimizing Personalized Treatment</b>	Antonio Westphalen, MD; John Kurhanewicz, PhD; and Matt Cooperberg, MD	School of Nursing Building, Room N-225
<b>November 2, 2017</b>	<b>Artificial Intelligence: What it is, Why it Matters, and the Future of</b>	John Mongan, MD PhD; Marc Kohli, MD; and	School of Nursing Building, Room N-



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	<b>Machine Learning in Clinical Imaging</b>	Andrew Taylor, MD, PhD	225
<b>November 9, 2017</b>	<b>Breast Cancer: Optimizing Early Detection and Personalized Treatment</b>	Bonnie Joe, MD, PhD; Elissa Price, MD; and Cheryl Ewing, MD	School of Nursing Building, Room N-225
<b>November 16, 2017</b>	<b>My Aching Knees - Osteoarthritis: Prevention, Detection, and Treatment</b>	Sharmila Majumdar, PhD; Thomas M. Link; MD, PhD; and R. Krishna Chaganti, MD, MS	School of Nursing Building, Room N-225