The focus of MED223 is to fine tune critical thinking skills by analyzing original publications and understand the current complexities of the cardiovascular system. Students will attend a lecture series presented by prominent external speakers on Tuesday’s and learn new approaches and medical advances from Stanford faculty on Thursday’s.Assigned reading will be discussed and interpreted in class (1-2 papers per class).
September

9/20/2016 (Tuesday)
James N. Weiss, MD
Chief, Division of Cardiology
Director, Cardiovascular Research
David Geffen School of Medicine at UCLA

9/27/2016 (Tuesday)
Evangelia Kranias, PhD
Hanna Professor and Director
Cardiovascular Biology
Co-Director, Cardiovascular Center of Excellence
Dept. of Pharmacology & Cell Biophysics
University of Cincinnati

9/22/2016 (Thursday)
Daniel Bernstein, MD
Alfred Woodley Salter and Mabel Smith Salter
Endowed Professor in Pediatrics

October

10/04/2016
Thomas Eschenhagen, MD
Director, Dept. of Experimental Pharmacology and Toxicology
University Medical Center Hamburg-Eppendorf (UKE)

10/11/2016
Koen Nieman, MD PhD
Associate Professor, Stanford
and
David Liang, MD PhD
Professor Cardiovascular Medicine, Stanford

10/06/2016
Dominik Fleischmann, MD
Professor of Radiology

10/13/2016- TBD

10/18/2016- No class

10/20/2016
Attend CVI Medicine & Research Symposium, 8:30a-6p
Details: cvi.stanford.edu
LKSC, Paul Berg Hall
http://med.stanford.edu/cvi/mission/med223.html
October (continued)

10/25/2016
Sushma Reddy MD, Assistant Professor of Pediatrics (Cardiology) at the Lucile Salter Packard Children’s Hospital
Francois Haddad, MD Clinical Assistant Professor, Cardiovascular Medicine

10/27/2016- TBD

11/1/2016
Kirk Knowlton, MD Professor of Medicine Associate Chief of Cardiology Intermountain Heart Institute

11/3/2016- Dual Speakers
Venita Chantra, MD Assistant Professor of Cardiothoracic Surgery Anson Lee, MD Assistant Professor of Cardiothoracic Surgery (Adult Cardiac Surgery)

11/8/2016
Brian H. Annex, MD Lantheus Medical Imaging Distinguished Professor of Cardiovascular Medicine

11/10/2016- Dual Speakers
William Hiesinger, MD Assistant Professor of Cardiothoracic Surgery (Adult Cardiac Surgery) Angela Rogers, MD Assistant Professor of Medicine (Pulmonary and Critical Care)

11/15/2016- AHA No class
Scott Ceresnak, MD Assistant Professor of Pediatrics (Cardiology), Lucile Salter Packard Children’s Hospital
*Room Change to SIM1 G1161

11/22/2016
Aldons J. Lusis, PhD Professor, Medicine, Human Genetics, Microbiology, Immunology & Molecular Genetics Vice Chair, Human Genetics David Geffen School of Medicine, UCLA

11/29/2016
Raj Kishore, PhD Professor, Pharmacology Professor, Center for Translational Medicine Director, Stem Cell Therapy Program Temple University
December

12/01/2016 - Last Day
David Maron, MD
Clinical Professor,
Cardiovascular Medicine

Make Up Classes (optional)

12/6/2016
Ralph J. Damiano, MD
Evarts A. Graham Professor, Surgery
Chief, Division of Cardiothoracic Surgery

12/13/2016
Jonathan M. Graff, MD, PhD
Professor, Department of Developmental Biology
UT Southwestern
Daniel Bernstein, MD

Residency: Montefiore Medical Center/Albert Einstein COM NY
Board Certification: Pediatrics, American Board of Pediatrics
MD: New York University - School Of Medicine, NY
Internship: Montefiore Medical Center/Albert Einstein COM, Ny
Fellowship: UCSF Medical Center, CA
Fellowship: Albert Einstein College of Medicine, NY

The Bernstein group focuses on:
1. The role of the G protein coupled receptors in regulating cardiac function, and specifically mitochondrial structure and function.
2. Differences between right and left ventricular responses to stress and in their modes of failure, including gene expression and miR regulation.
3. Using iPSC-derived myocytes to understand heart failure and congenital heart disease.

Gregory Kovacs, MD, PhD

MD, Stanford, Medicine
PhD., Stanford, Electrical Engineering
MS, U.C. Berkeley, Bioengineering
B.A.Sc., University of British Columbia, Electrical Engineering

Dr. Kovacs is a long-standing member of the Defense Sciences Research Council (DARPA), and has served as Associate Chair and Chairman. He also has extensive industry experience including co-founding several companies, including Cepheid in Sunnyvale, CA.

His present research areas include biomedical instruments and sensors, miniaturized spaceflight hardware, and biotechnology. He is the Director of Medical Device Technologies for the Astrobionics Program at the NASA Ames Research Center, and Principal Investigator of the Stanford-NASA National Center for Space Biological Technologies.
Dominik Fleischmann, MD

Internship: AO Krankenhaus Allentsteig, Austria
Residency: University of Vienna, Austria
MD: University of Vienna, Austria, Medicine

The Fleischmann group focuses on: Non-invasive Cardiovascular Imaging, Image Post-processing and Contrast Medium Dynamics. Research in the Radiology 3D and Quantitative Imaging Laboratory is focused on increasing the information obtainable from diagnostic imaging modalities as well as improving the ease with which this information is obtained. http://3dqlab.stanford.edu/

Angela Rogers, MD

Fellowship: Massachusetts General Hosp Harvard Med School, MA
Board Certification: Critical Care Medicine, American Board of Internal Medicine
Board Certification: Pulmonary Disease, American Board of Internal Medicine
Residency: Brigham and Women's Hospital Harvard Medical School, MA
Internship: Brigham and Women's Hospital Harvard Medical School, MA
MD: Harvard Medical School, MA

We use genetics and genomics methodologies to identify novel ARDS pathobiology; we hope that this will enable identification of novel biomarkers, phenotypes, and treatments for the disease. We are building a plasma biobank of critically ill patients at Stanford, with a particular focus on metabolic changes in critical illness.

Anson Lee, MD

Internship: Washington University, MO
Fellowship: Washington University School of Medicine
Residency: Washington University Barnes Jewish Hospital
MD: Washington University School Of Medicine

Dr. Anson clinical focus includeds: Cardiothoracic Surgery, Arrhythmia Surgery, Atrial Fibrillation, Arrhythmias, Cardiac Maze procedure
Venita Chantra, MD

MD: University of Chicago Pritzker, IL
Residency: Stanford University, CA
Internship: Stanford University, CA

Dr. Chandra is a board certified vascular surgeon who specializes in cutting edge approaches to aortic aneurysmal disease, peripheral vascular disease and limb salvage.

William Hiesinger, MD

MD, University of Pennsylvania School of Medicine
BA, Psychological and Brain Sciences, Dartmouth College, NH

Dr. Hiesinger research focuses on myocardial bioengineering and tissue mechanics. He joined the Stanford Department of CT surgery in August 2016.

Scott Ceresnak, MD

Board Certification, Adult Congenital Heart Disease
Residency: Weill Cornell School of Medicine, NY
Internship: Weill Cornell School of Medicine, NY
Fellowship: New York Presbyterian Hospital Columbia, NY
Fellowship: Lucile Packard Children’s Hospital, CA
MD, Robert Wood Johnson Med School, NJ

Wolff-Parkinson-White syndrome affects 0.1 to 0.3% of all individuals. Children with WPW are prone to arrhythmias (supraventricular tachycardia and sudden cardiac death). We are working to improve the success rates for ablation of WPW, using an electronic, fully automated, objective signal analysis tool. Electrocardiographic signal will prove to be a successful location for the ablation of an accessory pathway in WPW.

David J. Maron, MD

MD: University of Southern California - Los Angeles, CA
Fellowship: Stanford University, CA
Board Certification: Internal Medicine
Residency: Stanford University Hospital -Clinical
Residency: UCLA Health Sciences, CA
Internship: UCLA Health Sciences, CA

Dr. Maron is Director of Preventive Cardiology. He was on the faculty at Vanderbilt for 20 years before returning to Stanford in 2014. Currently he is the Co-Chair and Principal Investigator of the ISCHEMIA Trial. This large, international, NIH-funded study will determine whether an initial invasive strategy of cardiac catheterization and revascularization plus optimal medical therapy will reduce cardiovascular death or MI in patients with at least moderate ischemia compared to an initial conservative strategy of optimal medical therapy alone.
DOROTHY DEE & MARJORIE HELENE BORING TRUST AWARD

Award Perks:

Up to a $15,000 stipend

Choose a mentor from a list of 124 faculty at Stanford

Travel award to present research at a national conference

Invitation to annual iHeart research award dinner

Eligibility:

At least one quarter of MedScholars Research or previous research experience at Stanford (during medical school)

Applicants will be evaluated based on research accomplishments during MedScholars program and the future work proposed in this application along with letter of recommendation

ADMINISTERED BY THE STANFORD CARDIOVASCULAR INSTITUTE

DETAILS: http://med.stanford.edu/cvi/research/i-heart-research-award.html