Appointments and Promotions

Faculty

Promotions

Marco Perez, MD was promoted to Associate Professor (Cardiovascular Medicine) on December 1, 2018. Congratulations Marco!

New appointments

Kegan Moneghetti MD was appointed to Instructor (Cardiovascular Medicine) on December 1, 2018.

Kinya Seo PhD was appointed to Instructor (Cardiovascular Medicine) on October 1, 2018.

Reappointments

Sharon Hunt MD was reappointed to Emeritus Professor (Cardiovascular Medicine) on January 2, 2019.

David Maron MD was reappointed to Clinical Professor (Cardiovascular Medicine) on January 1, 2019.

Joshua Spin MD PhD was reappointed to Clinical Assistant Professor (Cardiovascular Medicine) on January 1, 2019.
Adjunct Faculty

Ramin Manshadi MD was appointed to Adjunct Professor (Cardiovascular Medicine) on January 1, 2019.

Staff

New appointments

Jimmy Zhen MBA, Senior Software Developer, is working with Dr. Euan Ashley’s Bioinformatics Core group on the Molecular Transducers of Physical Activity Consortium (MoTrPAC) project. Jimmy started January 7th.

Archana Raja MS, Computational Biologist, is working with Dr. Euan Ashley’s Bioinformatics Core group on the Molecular Transducers of Physical Activity Consortium (MoTrPAC) project. Archana started December 3rd.

David Amar PhD, Research Associate, is working with Dr. Euan Ashley’s Bioinformatics Core group on the Molecular Transducers of Physical Activity Consortium (MoTrPAC) project. David was promoted from Postdoctoral Fellow to Research Associate on December 1st.

Dave Morales, Clinical Research Coordinator Associate, is supporting Dr. Khush with various clinical trials. Dave started November 19th.

Promotions

Sarah Magee was promoted to Clinical Research Coordinator Associate on December 18, 2018. Congratulations to Sarah!
Congratulations to Drs. Josh Knowles and Christiane Haeffele for completing their first season as program and associate program director with a successful recruiting season.

Grants and Awards

Congratulations to Alexander Perino for receiving a Stanford Center for Arrhythmia Research Grant starting December 1, 2018 for his project “Patient and Provider Sex Concordance and Oral Anticoagulation Initiation and Persistence in Patients with Atrial Fibrillation”.

Congratulations to David Ouyang for receiving a Translational Research and Applied Medicine Pilot Grant starting September 14, 2018 for his project “Big Data Analysis and Machine Learning in Cardiovascular Imaging”.

Publications

Association of Healthcare Plan with Atrial Fibrillation Prescription Patterns.
Chang AY, Askari M, Fan J, Heidenreich PA, Ho PM, Mahaffey KW, Ullal AJ, Perino AC, Turakhia MP.

The Association between Female Corresponding Authors and Female Co-Authors in Top Contemporary Cardiovascular Medicine Journals.
Ouyang D, Harrington RA, Rodriguez F.
Circulation; accepted.

Sex Disparities in Authorship Order of Cardiology Scientific Publications.

Incidence of temporary mechanical circulatory support before heart transplantation and impact on post-transplant outcomes.
Ouyang D, Gulati G, Ha R, Banerjee D.

Appropriateness of Direct Oral Anticoagulant Dosing in Patients with Atrial Fibrillation: Insights from the Veterans Health Administration.
Leef GC, Perino AC, Askari M, Fan J, Ho PM, Olivier CB, Long L, Mahaffey KW, Turakhia MP.

Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort.

Efficacy of Ablation Lesion Sets in Addition to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Findings From the SMASH - AF Meta-Analysis Study Cohort.
Genetic testing and risk scores: Impact on Familial Hypercholesterolemia.

Sarraju A, Knowles J.

Articles

Women with heart disease in sub-Saharan Africa face challenges, but stigma may be worst of all - The Conversation

Our Team in the News

When the Illness Is a Mystery, Patients Turn to These Detectives
Dr. Euan Ashley, Dr. Matthew Wheeler and the Undiagnosed Diseases Network takes on the toughest cases, patients whose symptoms have defied explanation.

Warning Signs Of Lymphedema
Dr. Stanley Rockson, co-founder of the Lymphatic Education & Research Network, discusses symptoms and warning signs of Lymphedema.

Study examines link between peripheral artery disease and heart attack
Dr. Kenneth Mahaffey and other researchers previously knew that people with peripheral artery disease, a condition caused by the narrowing of blood vessels in the arms and legs, were at an elevated risk of heart attack.

Medical Detectives: The Last Hope for Families Coping With Rare Diseases
All over the country, specialized strike teams of doctors including Drs. Euan Ashley and Matthew Wheeler are giving hope to families who are desperately searching for a diagnosis.
Stanford, Apple describe heart study with over 400,000 participants

Stanford’s team includes Drs. Mintu Turakhia, Ma and Kenneth Mahaffey. Over 400,000 people have in a study being conducted by researchers at Stanford and Apple to determine whether a wearable technology can identify irregular heart rhythms suggestive of atrial fibrillation.

Heart recipient: ‘Stanford has saved my life not once, but twice’

Dr. Sharon Hunt “Heart transplantation opened up new options for people who were dying of heart disease.” Just 28 when Yolanda Isner received a new heart at Stanford Hospital in 1991, she went on to become the first heart transplant recipient to have a child at Stanford.

Understanding AFib: Drugs and procedures to help restore a normal rhythm

Dr. Paul Wang led an American Heart Association effort to improve stroke prevention decision-making in atrial fibrillation.

Chan Zuckerberg Biohub funds new research efforts, microbiome initiative

Stanford faculty including Drs. Euan Ashley and James Priest are helping to lead collaborative research teams funded by the Chan Zuckerberg Biohub.

Upcoming Events and Conferences

Events

Save the Date!
Sunday, September 8, 2019

7:30am – 11:30am
CV Med Quarterly Socials – All socials begin at 4:30pm in the Falk Library (or outside patio when weather permits). 2019 Socials are on Thursdays. Email reminders will be sent with 2019 dates shortly.

*Featured Cardiovascular Medicine Conferences*

Cardiology Grand Rounds [calendar]

Weekly CGR's are on Thursdays at 8am in the Falk Library. Cardiology Grand Rounds is on summer break until September.

- **The International Society for Heart and Lung Transplantation**  
  April 3-6, 2019  
  Orlando, Florida  
  ISHLT  
  President: Jeff Teuteberg MD  
  Planning Committee: Kiran Khush MD

- **12th Annual Cardiology for the Primary Care Practitioner**  
  May 11, 2019  
  Li Ka Shing Center, Stanford  
  Course Director: David Lee MD

- **Stanford’s 5th Annual Mechanical Circulatory Support: Optimal Management and New Frontiers**  
  June 8, 2019  
  Li Ka Shing Center, Stanford  
  Course Director: Dip Banerjee MD

- **EP in the West – Save the Date**  
  September 13, 2019  
  Li Ka Shing Center, Stanford  
  Course Director: Paul Wang MD

*Additional Cardiovascular Medicine CME information*

Complete list of Stanford CME courses

**Monthly:**

- **2018 Frontiers in Cardiovascular Science**  
  Tuesdays from 12:30 – 1:20pm  
  Stanford University Li Ka Shing Center  
  2018 Frontiers in Cardiovascular Science

If you are thinking about applying to a grant, email Crystal or Pete to learn more about the Division of Cardiovascular Medicine’s research development and proposal writing resources.
Upcoming Funding Opportunities

February 2019

- **National Institute of Health**
  NIH Research Project Grant (Parent R01-Clinical Trial Not Allowed)
  **Deadline**: Feb. 5, 2019
  PA-18-484

- **National Institute of Health**
  Improving Outcomes in Cancer Treatment-Related Cardiotoxicity (R01 Clinical Trial Optional)
  R01 Research Project Grant
  **Deadline**: Feb. 5, 2019
  PA-18-003

- **National Institute of Health**
  Research Project Grant (Parent R01 Clinical Trial Required)
  **Deadline**: Feb. 5, 2019
  PA-19-055

- **National Institute of Health**
  NIH Pathway to Independence Award
  (Parent K99/R00 - Independent Clinical Trial Required) **POSTDOCS**
  **Deadline**: Feb. 12, 2019
  PA-18-397

- **National Institute of Health**
  NIH Pathway to Independence Award
  (Parent K99/R00 - Independent Clinical Trial Required) **POSTDOCS**
  **Deadline**: Feb. 12, 2019
  PA-18-398

- **National Institute of Health**
  K08 Mentored Clinical Research Career Development Award
  (Parent K08 - Independent Clinical Trial Required) **POSTDOCS**
  **Deadline**: Feb. 12, 2019
  PA-18-372

- **National Institute of Health**
  K08 Mentored Clinical Research Career Development Award
  (Parent K08 - Independent Clinical Trial Required) **POSTDOCS**
  **Deadline**: Feb. 12, 2019
  PA-18-373

- **National Institute of Health**
  NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Required)
  **Deadline**: Feb. 16, 2019
  PA-19-054

- **National Institute of Health**
  NHLBI K01 Mentored Career Development Award to Promote Faculty Diversity **POSTDOCS**
  **Deadline**: Feb. 11, 2019
  RFA-HL-19-026

March 2019

- **National Institute of Health**
NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
**Deadline:** February 16, 2019
PA-19-052

- National Institute of Health
  NHLBI Clinical Trial Pilot Studies (R34 Clinical Trial Optional)
  **Deadline:** February 16, 2019
  PAR-18-463

- National Institute of Health
  Improving Outcomes in Cancer Treatment-Related Cardiotoxicity (R21)
  **Deadline:** February 16, 2019
  PA-19-111

April 2019

- National Institute of Health
  Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship
  (Parent F32)
  **Deadline:** April 8, 2019
  PA-18-670

Publications

Included in this newsletter are cardiovascular medicine faculty publications for the months of September – December. Publications are in date order from newest to oldest.

DECEMBER


Modelling inherited cardiac disease using human induced pluripotent stem cell-derived cardiomyocytes: progress, pitfalls, and potential.

Assessing the Relationship Between American Heart Association Atherosclerotic Cardiovascular Disease Risk Score and Coronary Artery Imaging Findings.

Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease.

Alirocumab and Cardiovascular Outcomes after Acute Coronary Syndrome.

Expansion of the Human Phenotype Ontology (HPO) knowledge base and resources.

Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis.

Big bottlenecks in cardiovascular tissue engineering.

A novel pacing maneuver to verify the postpacing interval minus the tachycardia cycle length while adjusting for decremental conduction: Using "dual-chamber entrainment" for improved
supraventricular tachycardia discrimination.  
Kaiser DW, Nasir JM, Liem LB, **Brodt C**, Motonaga KS, Ceresnak SR, **Turakhia MP**, Dubin AM.  

Functional regulatory mechanism of smooth muscle cell-restricted LMOD1 coronary artery disease locus.  

Usefulness of Asymmetric Dimethylarginine to Predict Outcomes After Heart Transplantation.  
Parikh RV, **Khush K**, Luikart H, Sakarovitch C, Lee J, Desai M, Valantine H, **Yeung AC**, **F Fearon WF**.  

Dialysis Modality and Incident Atrial Fibrillation in Older Patients With ESRD.  
Niu J, Shah MK, Perez JJ, Airy M, Navaneethan SD, **Turakhia MP**, Chang TI, Winkelmayer WC.  

Genetics of blood lipids among ~300,000 multi-ethnic participants of the Million Veteran Program.  

Disease modelling and drug discovery for hypertrophic cardiomyopathy using pluripotent stem cells: how far have we come?  
Lam CK, **Wu JC**.  

Forgotten No More: A Focused Update on the Right Ventricle in Cardiovascular Disease.  
Amsallem M, Mercier O, Kobayashi Y, **Moneghetti K**, **Haddad F**.  

Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement.  

Large Q and S waves in lead III on the electrocardiogram distinguish patients with hypertrophic cardiomyopathy from athletes.  
Chen AS, Bent RE, **Wheeler M**, Knowles JW, **Haddad F**, Froelicher V, Ashley E, Perez MV.  

Definitions of peri-procedural myocardial infarction and the association with one-year mortality: Insights from CHAMPION trials.  
Universal intracellular biomolecule delivery with precise dosage control.

Systems-Wide Approaches in Induced Pluripotent Stem Cell Models.
Lau E, Paik DT, Wu JC.

Whole-heart coronary MR angiography using a 3D cones phyllotaxis trajectory.
Malavé MO, Baron CA, Addy NO, Cheng JY, Yang PC, Hu BS, Nishimura DG.

Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort.

Manganese-Enhanced T1 Mapping in the Myocardium of Normal and Infarcted Hearts.

Accuracy of non-invasive stress testing in women and men with angina in the absence of obstructive coronary artery disease.
Pargaonkar VS, Kobayashi Y, Kimura T, Schnittger I, Chow EKH, Froelicher VF, Rogers IS, Lee DP, Fearon WF, Yeung AC, Stefanick ML, Tremmel JA.

Association of Blood Pressure Measurements With Peripheral Artery Disease Events.
Itoga NK, Tawfik DS, Lee CK, Maruyama S, Leeper NJ, Chang TI.

Predicting acquired cardiovascular disease in adults with congenital heart disease is risky business.
Lui GK, Bhatt AB.

Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk.

Identifying High-Priority Proteins Across the Human Diseasome Using Semantic Similarity.
Lau E, Venkatraman V, Thomas CT, Wu JC, Van Eyk JE, Lam MPY.
Boon RA, Eckstein HH, Spin JM, Tsao PS, Maegdefessel L.

A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay.
Circulation. 2018 Oct 2. doi: 10.1161/CIRCULATIONAHA.118.034624.

County-Level Hispanic Ethnic Density and Cardiovascular Disease Mortality.

Planning and Conducting the ISCHEMIA Trial.
Maron DJ, Harrington RA, Hochman JS.

Surgical unroofing of hemodynamically significant myocardial bridges in a pediatric population.
Maeda K, Schnitterg I, Murphy DJ, Tremmel JA, Boyd JH, Peng L, Okada K, Pargaonkar VS, Hanley FL, Mitchell RS, Rogers IS.

SEPTEMBER

From the BCVS Chair.
Wu JC.

Accuracy of Fractional Flow Reserve Derived From Coronary Angiography.
Circulation. 2018 Sep 24. doi: 10.1161/CIRCULATIONAHA.118.037350.

Evolving Decisions: Perspectives of Active and Athletic Individuals with Inherited Heart Disease Who Exercise Against Recommendations.
Subas T, Luiten R, Hanson-Kahn A, Wheeler M, Caleshu C.

Cryoballoon Best Practices II: Practical guide to procedural monitoring and dosing during atrial fibrillation ablation from the perspective of experienced users.

Evolving Decisions: Perspectives of Active and Athletic Individuals with Inherited Heart Disease Who Exercise Against Recommendations.
Subas T, Luiten R, Hanson-Kahn A, Wheeler M, Caleshu C.

Effects of genetic variation in protease activated receptor 4 after an acute coronary syndrome:
Analysis from the TRACER trial.

Tafamidis Treatment for Patients with Transthyretin Amyloid Cardiomyopathy.

Telomere shortening is a hallmark of genetic cardiomyopathies.

Genetic Regulatory Mechanisms of Smooth Muscle Cells Map to Coronary Artery Disease Risk Loci.

Association between physical fitness, cardiovascular risk factors, and Parkinson's disease.
Müller J, Myers J.

Decoding the Genomics of Abdominal Aortic Aneurysm.
Li J, Pan C, Zhang S, Spin JM, Deng A, Leung LLK, Dalman RL, Tsao PS, Snyder M.

Optimizing right ventricular focused four-chamber views using threedimensional imaging, a comparative magnetic resonance based study.

Frequency of Statin Use in Patients With Low-Density Lipoprotein Cholesterol ≥190 mg/dl from the Veterans Affairs Health System.
Rodriguez F, Knowles JW, Maron DJ, Virani SS, Heidenreich PA.
Am J Cardiol. 2018 Sep 1;122(5):756-761. doi: 10.1016/j.amjcard.2018.05.008.