

## 2013 OHSU Knight Cardiovascular Institute

Your guide to adult patient referral

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To refer a patient or consult  
with our team, please call:

**503 494-4567**

or toll-free:

**800 245-6478**

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**KNIGHT  
CARDIOVASCULAR  
INSTITUTE**

*Oregon Health & Science University*

A pill to **stop cancer.**  
A valve to **heal hearts.**  
A partnership to **change the game.**

At Oregon Health & Science University, big ideas spark breakthroughs that are changing the world of medicine. Including the world's first targeted therapy to stop a form of cancer. And the world's first artificial heart valve.

Now, Nike co-founder and chairman Phil Knight and his wife Penny are helping us change the future of medicine again. Their transformational philanthropic investments over the past four years are funding the next big ideas at the OHSU Knight Cancer Institute and the OHSU Knight Cardiovascular Institute — leading to new hope and new cures.

To Phil and Penny Knight, our sincere thanks. Your bold vision inspires us all.

**Big ideas are born here.**



## INTRODUCING THE OHSU KNIGHT CARDIOVASCULAR INSTITUTE

In September 2012, Nike co-founder and chair Phil Knight and his wife Penny gave OHSU a historic \$125 million gift – the largest in OHSU’s history and possibly the nation’s largest gift ever reported for cardiovascular medicine. This gift established the OHSU Knight Cardiovascular Institute, whose mission is to accelerate new prevention, diagnostic and treatment strategies being developed in the laboratory and transition them into patient care clinics as rapidly as possible.

The OHSU Knight Cardiovascular Institute is led by legendary Oregon heart surgeon and Lasker Award winner Albert Starr, M.D. and cardiovascular imaging pioneer Sanjiv Kaul, M.D., head of OHSU’s Division of Cardiovascular Medicine. They plan to pair researchers and clinicians together across multiple disciplines with a goal of becoming the world’s premier translational cardiovascular research institute.

The OHSU Knight Cardiovascular Institute is not just confined to Marquam Hill. Every day, we work alongside OHSU alumni, physicians in the community, regional hospitals, first responders, nurses and other health care providers to bring specialized heart care to patients with complex needs. We thank you for your role in the fight against heart disease.



Albert Starr, M.D., Executive Chair, OHSU Knight Cardiovascular Institute and Sanjiv Kaul, M.D., Chief Executive Officer, OHSU Knight Cardiovascular Institute

*“Penny and I are pleased to help upgrade cardiovascular health in Oregon and around the world. Drs. Starr and Kaul have built a great program in research, care and outreach and we are excited about what it can contribute to the fight against these deadly diseases.”*

*- Phil Knight*

## CLINICAL PROGRAMS

### Ischemic Heart Disease

Advanced medical, interventional, diagnostic and surgical procedures to manage disease of the coronary arteries, including percutaneous coronary intervention, PFO & ASD closures, ethanol septal ablations, arterial embolizations, peripheral interventions and coronary artery bypass grafting (CABG). OHSU is home to Oregon's first accredited chest pain center and is one of the few hospitals in the country to offer myocardial contrast echocardiography to quickly and accurately detect decreased blood flow in arteries.

### Heart Rhythm Disorders

Full range of electrophysiology (EP) procedures, including pacemaker and defibrillator implantation; EP study and ablation of supraventricular tachycardia, atrial fibrillation, and ventricular tachycardia; laser lead extraction; and epicardial access and ablation. OHSU is the first hospital in the region to offer a cryoballoon procedure to isolate, freeze and ablate the pulmonary veins, and is the only hospital in the region with a research protocol that permits safe MRI scans on patients with a permanent pacemaker (PPM) or implantable cardioverter defibrillator (ICD).

### Valve Disease

Offering the complete spectrum of minimally invasive and traditional surgery to repair or replace heart valves, including every form of percutaneous and surgical intervention such as PCI with rotational atherectomy, IVUS, FFR, ICE, percutaneous ventricular assist devices (Impella and Tandem Heart) and valvuloplasties (aortic, mitral and pulmonic). OHSU performed the West Coast's first non-investigational transcatheter aortic valve replacement (TAVR) using a transapical approach (catheter inserted between the ribs).

### Congenital Heart Disease

Full-service team of adult cardiologists, pediatric cardiologists and heart surgeons specializing in the inpatient and outpatient care of adults with congenital heart disease, including the full spectrum from undiagnosed lesions to complex palliated patients. OHSU offers state-of-the-art diagnostics, catheter intervention, electrophysiologic study and surgery, and patients have access to congenital heart disease clinical trials not available elsewhere in the state.

### Heart Failure and Transplant

Oregon's only heart transplant program and the largest cardiac assist device program in the Northwest. A multi-disciplinary team of cardiac surgeons, cardiologists, intensivists, clinical coordinators, and social workers specialize in the care of patients with advanced heart failure and work together to provide the most appropriate advanced therapies available, including augmented medical therapy, inotropes, ventricular assist devices and other forms of mechanical circulatory support, and heart transplantation. OHSU has performed 600 heart transplants and more than 200 mechanical support device implants.





### **Hypertrophic Cardiomyopathy**

The first program of its kind in Oregon, this multidisciplinary team from cardiology, medical genetics and pediatric cardiology provides expert care for a condition characterized by abnormal thickening of the left ventricular muscle. The program is registered with the Hypertrophic Cardiomyopathy Association and provides treatment such as medical therapies (beta blockers, certain calcium channel blockers, disopyramide), septal reduction therapies (surgical or catheter-based), implantable cardioverter defibrillator and advanced heart failure therapies.

### **Heart Disease Prevention and Cardiac Rehabilitation**

Combination of advanced medical intervention and lifestyle modification for patients at an increased risk of heart disease. Services include cardiac risk evaluation and intervention, lipid management, cardiac imaging and counseling on nutrition, smoking cessation and exercise. Multi-disciplinary collaboration with the Harold Schnitzer Diabetes Health Center provides comprehensive lifestyle and medical management for patients with metabolic syndrome, pre-diabetes and type 2 diabetes. OHSU's three-phase inpatient/outpatient cardiac rehab program is tailored to meet individual needs of patients who have had a heart attack, surgery or procedure.



### **Cardiothoracic Surgery**

Regional resource for patients with advanced heart diseases that require complex treatments. OHSU's cardiac surgery team cares for adult patients with acquired heart disease, including coronary artery disease, valvular heart disease, aortic aneurysm and heart failure using innovative surgical techniques. Minimally invasive approaches are used whenever possible to give patients the best outcome while minimizing discomfort and recovery time.

### **Vascular Surgery**

Team of nationally renowned experts specially trained to diagnose and treat the entire spectrum of arterial, venous and lymphatic disorders. OHSU vascular surgeons treat the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, intestinal and kidney arteries and veins, upper and lower extremity arteries and veins, patients with Raynaud's syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations.

# Quick Reference of Providers by Clinic

To refer a patient or consult with the Cardiovascular team, please call:

Physician Consult & Referral Service

503 494-4567

or toll free 800 245-6478

[www.ohsuknightheart.com](http://www.ohsuknightheart.com)

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## COMPLEX VALVE CLINIC

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**HEART TRANSPLANT COORDINATORS**

Donna Burgess, R.N.  
 John Caster, R.N.  
 Debbie Penk, R.N.  
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**VAD COORDINATORS**

Jonathan Auld, R.N., M.S.  
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Jone Sampson, M.D., <i>Molecular and Medical Genetics</i>	
Kelly Hamman, GCS	
Jessica Kushner, GCS	
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**CMH/OHSU HEART CARE AT COLUMBIA MEMORIAL HOSPITAL, ASTORIA, OREGON**

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Karen Griffith, N.P.	







### **Craig Broberg, M.D., M.C.R., F.A.C.C.**

**Academic and professional appointment:** Associate Professor; Director of Adult Congenital Heart Program

**M.D.:** University of California, San Francisco, Calif.

**Residency:** Internal Medicine - University of Washington, Seattle, Wash.

**Fellowship:** Cardiology - Oregon Health & Science University, Portland, Ore.; Adult Congenital Heart Disease, Cardiac Magnetic Resonance Imaging - Royal Brompton & Harefield NHS Trust/Imperial College London, U.K.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2003)

**Patient care emphasis:** Congenital heart disease and non-invasive imaging including echocardiography and cardiac MRI

**Research interests:** Heart failure in adults with congenital heart disease, advanced imaging options in congenital heart disease, database resources and use of electronic health records, and optimal management of cyanotic heart disease, specifically patients with Eisenmenger Syndrome



### **S. Albert Camacho, M.D., F.A.C.C.**

**Academic and professional appointment:** Associate Professor

**M.D.:** Loma Linda University, Loma Linda, Calif.

**Residency:** Internal Medicine - Loma Linda University, Loma Linda, Calif.

**Fellowship:** Cardiology - University of California, San Francisco, Calif.

**Board certification:** American Board of Internal Medicine, Internal Medicine (1986), Cardiovascular Disease (1989)

**Patient care emphasis:** Heart failure, cardiomyopathy, heart transplantation, ventricular assist devices



### **Scott Chadderdon, M.D.**

**Academic and professional appointment:** Assistant Professor

**M.D.:** Jefferson Medical College, Philadelphia, Pa.

**Residency:** Internal Medicine - Oregon Health & Science University, Portland, Ore.

**Fellowship:** Cardiovascular Medicine - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2005), Cardiovascular Disease (2009); National Board of Echocardiography (2011)

**Patient care emphasis:** General adult cardiovascular care with specialized interest in advanced imaging modalities utilizing contrast enhanced ultrasound, diabetes and cardiovascular disease

**Research interests:** Identification of early atherosclerotic disease and the regulation of myocardial and skeletal blood flow in obesity and insulin resistance using contrast enhanced ultrasound and molecular imaging



### **Joaquin E. Cigarroa, M.D., F.A.C.C., F.S.C.A.I.**

**Academic and professional appointment:** Clinical Professor; Associate Head of Clinical Affairs

**M.D.:** Cornell University, New York, N.Y.

**Residency:** Internal Medicine - Massachusetts General Hospital, Boston, Mass.

**Fellowship:** Cardiovascular Medicine and Interventional Cardiology - Massachusetts General Hospital, Boston, Mass.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2007), Interventional Cardiology (2010)

**Patient care emphasis:** Coronary artery disease, valvular heart disease, alcohol septal ablation of hypertrophic cardiomyopathy, interventional cardiology, adult structural heart disease (ASD closure, paravalvular closure, VSD closure, percutaneous valve implantation)

**Research interests:** Clinical trials in acute coronary syndrome and interventional cardiology



### Jill Gelow, M.D., M.P.H.

**Academic and professional appointment:** Assistant Professor

**M.D.:** Oregon Health & Science University, Portland, Ore.

**Residency:** Internal Medicine - Brigham and Women's Hospital, Boston, Mass.

**Fellowship:** Cardiovascular Medicine - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2007), Cardiovascular Disease (2010)

**Patient care emphasis:** Heart failure, cardiomyopathy, heart transplantation, ventricular assist devices

**Research interests:** Cognitive dysfunction in chronic heart failure, advanced heart failure therapies in adult congenital heart disease, ventricular assist devices



### Saurabh Gupta, M.D., F.A.C.C.

**Academic and professional appointment:** Assistant Professor; Director of Cardiac Catheterization Laboratories; Co-Director of Complex Heart Valve Clinic

**M.D.:** University of Delhi, Delhi, India

**Residency:** Internal Medicine - St. Luke's-Roosevelt Hospital Center of the College of Physicians and Surgeons, Columbia University, New York, N.Y.

**Fellowship:** Cardiology, Interventional Cardiology - University of Utah School of Medicine, Salt Lake City, Utah

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2007), Interventional Cardiology (2008); American Society of Nuclear Cardiology (2006)

**Patient care emphasis:** Interventional cardiology, high-risk PCI including rotational atherectomy and mechanical circulatory support, structural and valvular interventions (ASD closure, paravalvular closure, VSD closure, percutaneous valve implantation), acute coronary syndromes

**Research interests:** Clinical trial design and conduct, anti-platelet therapy (WNT signaling in platelets). Dr. Gupta serves as the site principal investigator on several important multi center trials and is the national principal investigator for the U.S. pivotal trial for Biohelix bare metal stent.



### Stephen Heitner, M.D.

**Academic and professional appointment:** Assistant Professor; Director of Echocardiography; Director of the Hypertrophic Cardiomyopathy Clinic

**M.D.:** University of the Witwatersrand, Johannesburg, South Africa

**Residency:** Internal Medicine - Albert Einstein Medical Center, Philadelphia, Pa.

**Fellowship:** Cardiology - Cooper University Hospital, Camden, N.J.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2007), Cardiovascular Disease (2011); American Board of Nuclear Cardiology (2010); American Board of Echocardiography (2010)

**Patient care emphasis:** General cardiology, hypertrophic cardiomyopathy, cardio-oncology, cardiac amyloidosis

**Research interests:** Cardiovascular imaging, structural heart disease, hypertrophic cardiomyopathy, and infiltrative cardiomyopathies (cardiac amyloidosis)



### Charles Henrikson, M.D.

**Academic and professional appointment:** Associate Professor; Director of Electrophysiology

**M.D.:** Columbia University, New York, N.Y.

**Residency:** Internal Medicine - Columbia-Presbyterian Medical Center, New York, N.Y.

**Fellowship:** Cardiology, Clinical Cardiac Electrophysiology - Johns Hopkins Hospital, Baltimore, Md.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2004), Clinical Cardiovascular Electrophysiology (2006)

**Patient care emphasis:** Electrophysiology including catheter-based procedures such as ablation of supraventricular tachycardia, atrial fibrillation and ventricular tachycardia; laser lead extraction and epicardial ablation

**Research interests:** New techniques in ablation of atrial fibrillation, laser lead extraction, ablation of ventricular tachycardia, management of anticoagulation at time of device procedure, MRI in patients with pacemakers and implantable cardioverter-defibrillators



### Sanjiv Kaul, M.D., F.A.C.C., F.A.H.A., F.R.C.P.

**Academic and professional appointment:** Ernest Swigert Distinguished Professor of Medicine; Division Head of Cardiovascular Medicine; Associate Dean for Cardiovascular Medicine; Chief Executive Officer of the Knight Cardiovascular Institute

**M.D.:** University of Delhi, Delhi, India

**Residency:** University of Vermont, Burlington, Vt.

**Fellowship:** Cardiology - University of California, Los Angeles, Calif.; Research - Massachusetts General Hospital, Harvard Medical School, Boston, Mass.

**Board certification:** American Board of Internal Medicine, Internal Medicine (1980), Cardiovascular Disease (1982)

**Patient care emphasis:** Coronary artery disease, preventive cardiology, diabetes and cardiovascular disease, imaging and cardiovascular disease

**Research interests:** Coronary physiology, pathophysiology, cardiovascular imaging



### Jack Kron, M.D., F.A.C.C.

**Academic and professional appointment:** Professor

**M.D.:** Emory University Medical School, Atlanta, Ga.

**Residency:** Medicine - Oregon Health & Science University, Portland, Ore.

**Fellowship:** Cardiology - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (1981), Cardiovascular Disease (1985), Clinical Cardiac Electrophysiology (2012)

**Patient care emphasis:** Electrophysiology, clinical arrhythmia management

**Research interests:** Arrhythmia management, atrial fibrillation, implantable defibrillator



### Gregory James Landry, M.D.

**Academic and professional appointment:** Associate Professor

**M.D.:** University of Wisconsin, Madison, Wis.

**Residency:** Surgery - Oregon Health & Science University, Portland, Ore.

**Fellowship:** Vascular Surgery - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Surgery, Surgery (2007), Vascular Surgery (2008)

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud's syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

**Research interests:** Functional and patient-centered outcomes of vascular diseases, clinical outcomes research, vascular imaging



### Timothy Liem, M.D.

**Academic and professional appointment:** Associate Professor of Surgery; Vice-Chair for Quality, Department of Surgery

**M.D.:** University of Southern California, Los Angeles, Calif.

**Residency:** General Surgery - Kaiser Foundation Hospitals, Los Angeles, Calif.; Vascular Surgery - University of Missouri, Columbia, Mo.

**Fellowship:** Vascular Radiology - University of Missouri, Columbia, Mo.

**Board certification:** American Board of Surgery, Surgery (2005), Vascular Surgery (2007)

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud's syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations



### Jonathan Lindner, M.D., F.A.S.E.

**Academic and professional appointment:** M. Lowell Edwards Distinguished Professor

**M.D.:** University of Texas Southwestern Medical School, Dallas, Texas

**Residency:** Internal Medicine - University of Texas Southwestern Medical School, Dallas, Texas

**Fellowship:** Cardiovascular Medicine - University of Virginia, Charlottesville, Va.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2009); National Board of Echocardiography (1998)

**Patient care emphasis:** General cardiology, coronary artery disease, cardiovascular imaging

**Research interests:** Molecular imaging, vascular biology, microvascular physiology



### Erica Mitchell, M.D., F.A.C.S.

**Academic and professional appointment:** Associate Professor of Surgery; Co-Director, Simulation at OHSU; Program Director of Vascular Surgery

**M.D.:** University of Colorado School of Medicine, Denver, Colo.

**Residency:** General Surgery - University of Colorado Health & Sciences Center, Denver, Colo.

**Fellowship:** Vascular & Endovascular Surgery - Oregon Health & Science University, Portland, Ore. Interventional Radiology - University of Colorado Health & Science Center, Denver, Colo.

**Board certification:** American Board of Surgery, Surgery (2004), Vascular Surgery (2007)

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud's syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

**Research interests:** Surgical education and simulation in medical education



### Gregory L. Moneta, M.D.

**Academic and professional appointment:** Professor; Division Head of Vascular Surgery  
**M.D.:** Harvard University School of Medicine, Boston, Mass.

**Residency:** Surgery - University of Washington, Seattle, Wash.

**Fellowship:** Vascular Surgery - University of Washington, Seattle, Wash.

**Board certification:** American Board of Surgery, Surgery (2006), Vascular Surgery (2008)

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud's syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

**Research interests:** Noninvasive diagnosis of vascular disease



### James Mudd, M.D.

**Academic and professional appointment:** Assistant Professor; Director of Advanced Heart Failure and Transplant Program

**M.D.:** University of Washington, Seattle, Wash.

**Residency:** Internal Medicine - Johns Hopkins Hospital, Baltimore, Md.

**Fellowship:** Cardiovascular Medicine - Johns Hopkins Hospital, Baltimore, Md.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2004), Cardiovascular Disease (2007), Advanced Heart Failure and Transplant Cardiology (2012)

**Patient care emphasis:** Advanced heart failure, cardiomyopathy, ventricular assist devices, heart transplantation

**Research interests:** Right heart failure, ventricular assist devices, symptom management in chronic heart failure



### Michael Shapiro, D.O., F.A.C.C.

**Academic and professional appointment:** Assistant Professor; Director of Cardiac MRI and CT; Director of Cardiac Rehabilitation

**D.O.:** University of Medicine and Dentistry of New Jersey, Stratford, N.J.

**Residency:** Internal Medicine - Beth Israel Medical Center, The Albert Einstein College of Medicine, New York, N.Y.

**Fellowship:** Cardiology - Beth Israel Medical Center, The Albert Einstein College of Medicine, New York, N.Y.; Cardiovascular Imaging - Massachusetts General Hospital, Harvard Medical School, Boston, Mass.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2001), Cardiovascular Disease (2005); National Board of Echocardiography (2005); Certification Board of Nuclear Cardiology (2006); Certification Boards of Cardiovascular Computed Tomography (2008); American Board of Clinical Lipidology (2010)

**Patient care emphasis:** Lipid disorders, cardiovascular disease prevention, general cardiology

**Research interests:** Atherosclerosis imaging, lipid disorders



### **Matthew Slater, M.D., F.A.C.S., F.A.C.C.**

**Academic and professional appointment:** Associate Professor of Surgery; Head of Adult Cardiac Surgery; Co-Director of the Complex Heart Valve Clinic

**M.D.:** Eastern Virginia Medical School, Norfolk, Va.

**Residency:** General Surgery - Oregon Health & Science University, Portland, Ore.

**Fellowship:** Cardiothoracic Surgery - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Thoracic Surgery (2012)

**Patient care emphasis:** Complex valvular heart disease, transcatheter aortic valve replacement (TAVR), mitral valve repair, valve replacement, minimally invasive cardiac surgery, coronary artery bypass surgery, aortic aneurysm surgery, valve sparing aortic root replacement, arterial revascularization, ventricular assist devices, heart transplantation

**Research interests:** Endocarditis, valvular heart disease, outcomes



### **Howard Song, M.D., Ph.D.**

**Academic and professional appointment:** Associate Professor; Chief of Division of Cardiothoracic Surgery

**M.D.:** Stanford University, Stanford, Calif.

**Ph.D.:** University of Pennsylvania Biomedical Graduate Studies, Philadelphia, Pa.

**Residency:** General Surgery - University of Pennsylvania, Philadelphia, Pa.

**Fellowship:** Cardiothoracic Surgery - Emory University, Atlanta, Ga.

**Board certification:** American Board of Surgery, Surgery (2012); American Board of Thoracic Surgery (2003)

**Patient care emphasis:** Complex valvular heart disease, transcatheter aortic valve replacement (TAVR), mitral valve repair, valve replacement, minimally invasive cardiac surgery, coronary artery bypass surgery, aortic aneurysm surgery, valve sparing aortic root replacement, arterial revascularization, ventricular assist devices, heart transplantation

**Research interests:** Aortic aneurysms, bioengineering, cardiac surgery outcomes



### **Karl Stajduhar, M.D., F.A.C.C.**

**Academic and professional appointment:** Clinical Associate Professor; Director of Cardiology Clinic

**M.D.:** University of Pittsburgh, Pittsburgh, Pa.

**Residency:** Internal Medicine - Walter Reed Army Medical Center, Washington, D.C.

**Fellowship:** Cardiovascular Disease - Walter Reed Army Medical Center, Washington, D.C.; Clinical Cardiac Electrophysiology - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (1989), Cardiovascular Disease (2012), Clinical Cardiac Electrophysiology (2004)

**Patient care emphasis:** Heart rhythm disorders, radiofrequency catheter ablation procedures and device implantation

**Research interests:** Arrhythmia management, atrial fibrillation, implantable defibrillators



### Eric Stecker, M.D.

**Academic and professional appointment:** Assistant Professor

**M.D.:** University of Wisconsin Medical School, Madison, Wis.

**Residency:** Internal Medicine - Oregon Health & Science University, Portland, Ore.

**Fellowship:** General Internal Medicine - University of Michigan, Ann Arbor, Mich.; Cardiovascular Disease, Clinical Cardiac Electrophysiology - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2006), Clinical Cardiac Electrophysiology (2008)

**Patient care emphasis:** Heart rhythm disorders, radiofrequency catheter ablation procedures and device implantation

**Research interests:** Sudden cardiac death



### Frederick Tibayan, M.D.

**Academic and professional appointment:** Assistant Professor

**M.D.:** Harvard Medical School, Boston, Mass.

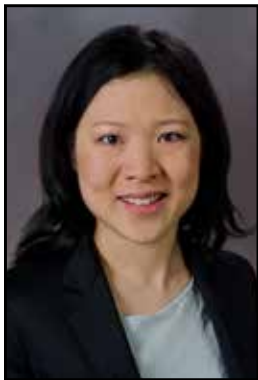
**Residency:** General Surgery - Stanford University Hospital, Stanford, Calif.

**Fellowship:** Cardiothoracic Surgery - Stanford University, Stanford, Calif.

**Board certification:** American Board of Surgery, Surgery (2007)

**Patient care emphasis:** Complex valvular heart disease, transcatheter aortic valve replacement (TAVR), mitral valve repair, valve replacement, minimally invasive cardiac surgery, coronary artery bypass surgery, aortic aneurysm surgery, valve sparing aortic root replacement, arterial revascularization, ventricular assist devices, heart transplantation

**Research interests:** Mechanisms of heart valve dysfunction and repair



### Yen Tibayan, M.D.

**Academic and professional appointment:** Assistant Professor

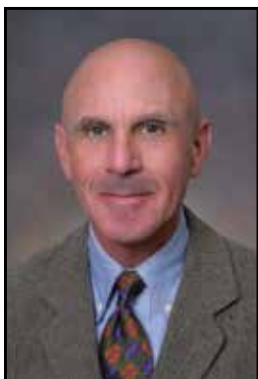
**M.D.:** Harvard Medical School, Boston, Mass.

**Residency:** Internal Medicine - Stanford University, Stanford, Calif.

**Fellowship:** Cardiology; Interventional Cardiology - Stanford University, Stanford, Calif.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2003), Cardiovascular Disease (2006), Interventional Cardiology (2008)

**Patient care emphasis:** Interventional cardiology



### Joseph Weiss, M.D., Ph.D., F.A.C.C.

**Academic and professional appointment:** Associate Professor

**M.D./Ph.D.:** New York University School of Medicine, New York, N.Y.

**Residency:** Internal Medicine - Columbia Presbyterian Medical Center, New York, N.Y.

**Fellowship:** Clinical Cardiology - UCSF Affiliated Hospitals, San Francisco, Calif.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2005)

**Patient care emphasis:** Adult congenital heart disease, pregnancy and heart disease, general cardiology

**Research interests:** Heart and smooth muscle development



## OHSU Cardiology at St. John Medical Center, Longview, Washington



### Shaun Ageno, M.D.

**Academic and professional appointment:** Assistant Professor

**M.D.:** New York University, New York, N.Y.

**Residency:** Internal Medicine - Cornell Medical Center, New York, N.Y.

**Fellowship:** Cardiovascular Medicine, Cardiac Electrophysiology - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2007), Cardiovascular Disease (2010), Clinical Cardiac Electrophysiology (2011)

**Patient care emphasis:** Clinical cardiac electrophysiology



### Allan Harrelson, D.O., Ph.D.

**Academic and professional appointment:** Assistant Professor

**D.O.:** Kirksville College of Osteopathic Medicine, Kirksville, Mo.

**Ph.D.:** The Rockefeller University, New York, N.Y.

**Residency:** Internal Medicine - University of Iowa Hospitals and Clinics, Iowa City, Iowa

**Fellowship:** Cardiology - University of Cincinnati, Cincinnati, Ohio

**Board certification:** American Board of Internal Medicine, Internal Medicine (2009)

**Patient care emphasis:** Adult cardiology including echocardiography and cardiac imaging, adult congenital heart disease

**Research interests:** Cardiac progenitor cells in animal and in vitro models of cardiac repair and regeneration



### Pulla Raghuram Reddy, M.D., M.C.R., F.A.C.C.

**Academic and professional appointment:** Assistant Professor

**M.D. :** Osmania Medical College, Hyderabad, India

**Residency:** Internal Medicine - Highland and Strong Memorial Hospitals, University of Rochester, Rochester, N.Y.; Clinical Research Training Program - Mayo Clinic, Rochester, Minn.

**Fellowship:** Cardiovascular Medicine - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2010), Cardiovascular Disease (2011); National Board of Echocardiography (2012)

**Patient care emphasis:** General cardiology, management of patients with chronic heart failure and cardiomyopathies

## MCMC/OHSU Cardiology at Mid-Columbia Medical Center, The Dalles, Oregon



### David Guarraia, M.D., M.S., F.A.C.C.

**Academic and professional appointment:** Assistant Professor

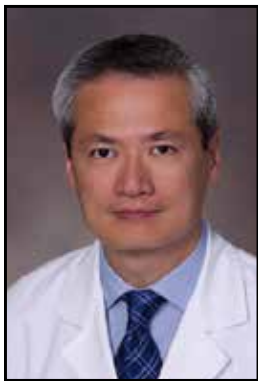
**M.D.:** St. George's University, Grenada, West Indies

**Residency:** Internal Medicine - University of Arizona, Tucson, Ariz.

**Fellowship:** Cardiovascular Disease - Oregon Health & Science University, Portland, Ore.

**Board certification:** American Board of Internal Medicine, Internal Medicine (2006), Nuclear Cardiology (2009), Cardiovascular Disease (2010)

**Patient care emphasis:** General cardiology



### Kevin Wei, M.D., F.A.C.C.

**Academic and professional appointment:** Professor

**M.D.:** University of Toronto, Canada

**Residency:** University of Toronto, Canada

**Fellowship:** University of Toronto, Canada; University of Virginia, Charlottesville, Va.

**Board certification:** American Board of Internal Medicine, Cardiovascular Disease (2007)

**Patient care emphasis:** General cardiology, echocardiography

**Research interests:** Contrast echocardiography

## CMH / OHSU Heart Care at Columbia Memorial Hospital, Astoria, Oregon



### Diana Rinkevich, M.D., F.A.C.C.

**Academic and professional appointment:** Associate Professor

**M.D.:** University of Buenos Aires, Argentina

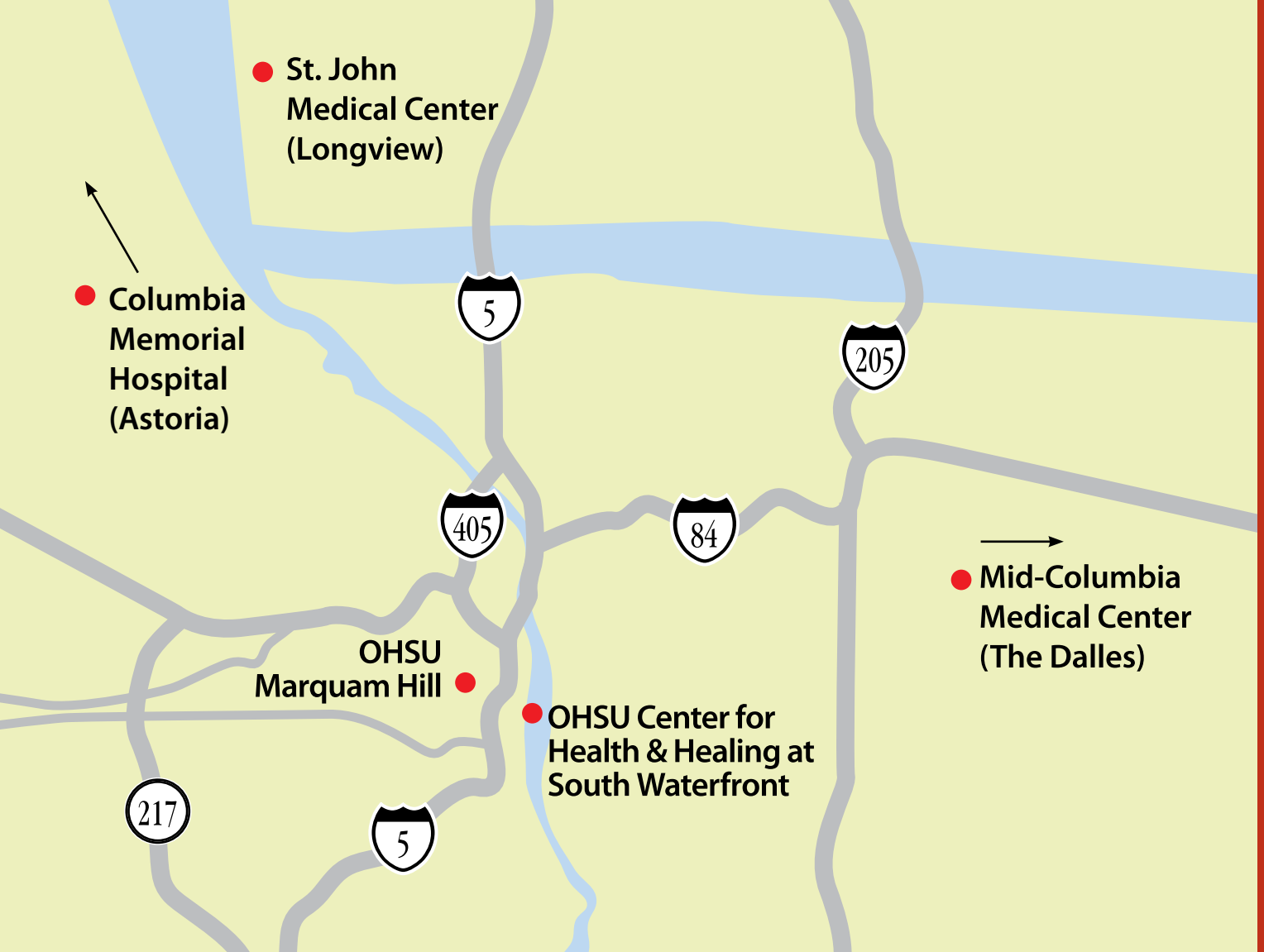
**Residency:** Rambam Medical Center, Technion University, Haifa, Israel; Jackson Memorial Hospital, Miller University, Miami, Fla.

**Fellowship:** Rambam Medical Center, Technion University, Haifa, Israel

**Board certification:** National Board of Echocardiography (2004); American Board of Internal Medicine, Internal Medicine (2006), Cardiovascular Disease (2010)

**Patient care emphasis:** General cardiology, heart disease in women, echocardiography

**Research interests:** Coronary microcirculation



## LOCATIONS

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 Portland, OR 97239  
 503 494-1775
- **South Waterfront Center for Health & Healing**  
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 503 494-1775
- **Longview, Washington Cardiology Services at St. John Medical Center, Peace Health**  
 1615 Delaware St.  
 Longview, WA 98632  
 360 414-2000
- **The Dalles, Oregon MCMC | OHSU Cardiology Mid-Columbia Medical Center**  
 1700 E. 19th St.  
 The Dalles, OR 97058  
 541 506-6530
- **Astoria, Oregon CMH/OHSU Cardiology Clinic Columbia Memorial Hospital**  
 2158 Exchange St., Suite 206  
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