

MedStar Research Institute

Cardiovascular Research Institute

Research Areas

- Basic and translational research • Gene discovery • Angiogenesis/myogenesis
- Stem cell therapy • Vulnerable plaque • Molecular diagnostic and therapeutic strategies
- Innovative and emerging devices and technologies • Drug eluting stent registries
- Acute coronary syndrome (ACS)/MI interventions • Carotid stent trials
- Bioabsorbable stents • Photodynamic and radio frequency therapy
- Devices in peripheral vascular disease • Atherosclerosis and lipids
- Endothelial dysfunction • HDL therapy for ACS • Electrophysiology
- Cardiovascular imaging – IVUS, ECHO, MRI, Cardiac CT
- Pharmacologic therapies for Cardiovascular Disease • Congestive Heart Failure

Research Background & Expertise

- The Cardiovascular Research Institute (CRI), led by Stephen E. Epstein, MD, an internationally recognized investigator, is responsible for coordinating and performing all cardiovascular research within MedStar Research Institute.
- Located on the campus of Washington Hospital Center, the busiest and most comprehensive heart program in the country – over 12,000 catheterizations, 5,000 percutaneous interventional procedures, 3,500 open heart procedures, 3,000 ACS related catheterizations, and 1,000 ACS patients admitted to the coronary care unit on an annual basis.
- Comprised of world-renowned cardiovascular investigators, basic and translational scientists, interventional cardiologists, research nurses, study coordinators, technicians, sonographers, and support staff dedicated to developing new technologies and strategies to enhance patient care.
- Investigators are experienced in managing Federal, commercial, and privately sponsored research studies; currently, CRI is involved in more than 50 clinical and translational research studies.
- Consortium of investigators has over 1,000 publications in leading medical journals, and hold prestigious academic affiliations and NIH appointments; numerous research-based patents are held.
- In-house data coordinating center manages CRI's proprietary recruitment and genetic databases and has access to one of the largest inpatient coronary care databases in the country with prospectively-acquired information on over 5,000 patients.
- Dedicated research laboratories specialize in vascular and molecular biology, pre-clinical animal studies, lipoprotein metabolism, atherosclerosis research and cardiac imaging.
- Highly sought after research fellowship program has an established reputation of producing leaders in the field of cardiology and vascular care.
- Offers a comprehensive cardiovascular continuing medical education (CME) program and has a dedicated 12,000 square foot Cardiovascular Training and Education Center (CTEC) to teach new concepts and techniques in the diagnosis and management of cardiovascular and endovascular disorders.

Transforming Research Into Results

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