

## *Curriculum vitae*

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**Place of Birth:** Riverside, CA

### **Education**

Year	Degree (Honors)	Field of Study	Institution
1987	B.A. (Summa Cum Laude)	Liberal Arts	The University of Texas at Austin
1992	M.D.	Medicine	Harvard Medical School
1997	Certificate	Clinical Effectiveness Program	Harvard School of Public Health

### **Postdoctoral Training**

Year(s)	Titles	Specialty/Discipline	Institution
1992-1995	Intern/Resident	Internal Medicine	UT Southwestern Medical Center, Dallas, TX
1995-1996	Chief Resident	Internal Medicine	UT Southwestern Medical Center, Dallas, TX
1996-1999	Fellow	Cardiology	The Brigham and Women's Hospital, Boston, MA

### **Current Licensure and Certification**

#### Licensure

1993 Texas (J4073)

#### Board and Other Certification

1995 American Board of Internal Medicine Certification

1999, 2009 Cardiovascular Subspecialty Certification

## Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1982	National Merit Scholar	
1987	Phi Beta Kappa	The University of Texas at Austin
1987	Graduated <i>summa cum laude</i> with special honors	The University of Texas at Austin
1998	Eugene Braunwald Fellow	Brigham and Women's Hospital
1998	Soma Weiss Award for excellence in teaching by a fellow	Brigham and Women's Hospital
2002-2004	Career Development Award	Glaxo-Smith-Kline
2005	Best Doctors in Dallas, Cardiology	D Magazine
2005	Outstanding Teacher Award	Internal Medicine Training Program
2006	Elite Reviewer	Journal of the American College of Cardiology
2007	Elite Reviewer	Journal of the American College of Cardiology
2008	Elite Reviewer	Journal of the American College of Cardiology
2009	Elite Reviewer	Journal of the American College of Cardiology
2010	Super Doctors, Cardiology	Texas Monthly
2010	Best Doctors in Dallas, Cardiology	D Magazine
2011	Core Clerkship Teaching Award	UT Southwestern Medical School
2011	Super Doctors, Cardiology	Texas Monthly
2011	Best Doctors in Dallas, Cardiology	D Magazine
2012	Best Doctors in Dallas, Cardiology	D Magazine
2012	Super Doctors, Cardiology	Texas Monthly
2012	Simon Dack Award	Journal of the American College of Cardiology
2012	Parmley Prize for best paper by young faculty; Mentor for awardee Sandeep Das	Journal of the American College of Cardiology
2013	Super Doctors, Cardiology	Texas Monthly
2014	Super Doctors, Cardiology	Texas Monthly
2014	Best Doctors in Dallas, Cardiology	D Magazine
2014	Elected Member	American Society of Clinical Investigation

2015	Women in Cardiology Mentorship Award	American Heart Association
2015	Best Doctors in Dallas, Cardiology	D Magazine
2015	Distinguished Educator Award Nominee	UT Southwestern Medical School
2015	Highlighted Cited Researcher (Top 1% by citations for field and publication year in Web of Science)	Thomson Reuters
2016	Best Doctors in Dallas, Cardiology	D Magazine
2016	Super Doctors, Cardiology	Texas Monthly
2016	Highlighted Cited Researcher (Top 1% by citations for field and publication year in Web of Science)	Clarivate
2017	Elected Member	Association of American Physicians
2017	Faculty Mentorship Award	Internal Medicine Training Program
2017	L. David Hillis Teaching Award	Cardiology Fellowship Training Program
2017	Best Doctors in Dallas, Cardiology	D Magazine
2017	Highly Cited Researcher (Top 1% by citations for field and publication year in Web of Science)	Clarivate
2018	Highly Cited Researcher (Top 1% by citations for field and publication year in Web of Science)	Clarivate
2018	University of Texas Board of Regents Outstanding Teacher Award	UT System Board of Regents
2019	Highly Cited Researcher (Top 1% by citations for field and publication year in Web of Science)	Clarivate
2020	American College of Cardiology Distinguished Mentor Award	American College of Cardiology

### **Faculty Academic Appointments**

Year(s)	Academic Title	Department	Academic Institution
1995-1996	Assistant Instructor	Internal Medicine	UT Southwestern

1996-1999	Clinical Fellow	Internal Medicine	Harvard Medical School
1999-2000	Instructor	Internal Medicine	Harvard Medical School
2000-2005	Assistant Professor	Internal Medicine	UT Southwestern
2005-2009	J. Fred Schoellkopf, Jr. Chair in Cardiology Research	Internal Medicine	UT Southwestern
2005-2011	Associate Professor	Internal Medicine	UT Southwestern
2009-present	Sweetheart Ball-Kern Wildenthal, MD, PhD Distinguished Chair in Cardiology	Internal Medicine	UT Southwestern
2011-2018	Professor	Internal Medicine	UT Southwestern Medical Center
2018-	Professor with Tenure	Internal Medicine	UT Southwestern Medical Center
2018-	Distinguished Teaching Professor	UT Board of Regents	UT Southwestern/UT System

**Appointments at Hospitals/Affiliated Institutions**

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
1995-1996	Attending Physician	Medicine	Parkland Memorial Hospital
1995-1996	Attending Physician	Medicine	Dallas VA Medical Center
1996-1999	Clinical Fellow	Medicine/Cardiology	Brigham and Women's Hospital
1999-2000	Associate Physician	Medicine/Cardiology	Brigham and Women's Hospital
2000-2005	Attending Physician	Medicine/Cardiology	Dallas VA Medical Center
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2000-present	Attending Physician	Medicine/Cardiology	Zale-Lipshy University Hospital
2000-present	Attending Physician	Medicine/Cardiology	Parkland Memorial Hospital
2002-present	Attending Physician	Medicine/Cardiology	St. Paul/Clements University Hospital

**Other Professional Positions**

None

**Major Administrative/Leadership Positions**

Year(s)	Position Title	Institution
1995-1996	Chief Medical Resident	UT Southwestern

2000-2002	Director, Outpatient Clinics	Parkland Memorial Hospital
2001-2015	Director, Coronary Care Unit	Parkland Memorial Hospital
2002-2011	Director MSIV Critical Care Rotation in Cardiology	UT Southwestern
2005-2011	Director, Cardiovascular Fellowship Training Program	UT Southwestern
2011-2015	Cardiology Service Chief	Parkland Memorial Hospital
2007-present	Medical Director, Dallas Heart Study	UT Southwestern
2009-present	Co-Director T32 Training Grant	UT Southwestern
2011-2016	Associate Director, Cardiovascular Fellowship Training Program	UT Southwestern
2011-2012	Key Function PI for CTSA grant renewal application	UT Southwestern
2013-2017	Key Function PI for CTSA Grant	UT Southwestern
2017-2019	Associate Director, CTSA grant renewal application	UT Southwestern

**Committee Service** (*Member, unless noted otherwise*)

<b>Year(s)</b>	<b>Name of Committee</b>	<b>Institution/Organization</b>
<u>UTSW</u>		
1995-1996	Committee to Evaluate Clinical Competence, Internal Medicine Residency	UT Southwestern
1995-1996	Ambulatory Care Education Planning Committee, Internal Medicine Residency	UT Southwestern
1995-1996	Curriculum Committee, Internal Medicine Residency Training Program	UT Southwestern
1999	St. Paul Cardiology Clinic Design Committee	UT Southwestern
2000-present	Interviewer, IM Residency Applicants	UT Southwestern
2000-present	Curriculum Committee, Internal Medicine Residency Training Program	UT Southwestern
2001-2002	Task Force to Evaluate Research in Clinical Departments	UT Southwestern
2005-present	Executive Council, Cardiovascular Division	UT Southwestern
2005-2008	Committee to Evaluate Clinical Competence, Internal Medicine Training Program	UT Southwestern
2008- present	T32 Training Grant Executive Committee	UT Southwestern
2009	Co-chair, Clinical Research Excellence Task Force	UT Southwestern
2009	Clinical Science Education Subcommittee	UT Southwestern
2009-2010	Chair, Research Committee, New University Hospital Design	UT Southwestern

2012-2013	Chair, Search Committee, Director of Interventional Cardiology	UT Southwestern
2013-2014	Search Committee, Founding Chair of Department of Emergency Medicine	UT Southwestern
2014-2016	Search Committee, Nephrology Division Chief	UT Southwestern
2014-present	Internal Medicine Department Promotion and Tenure Review Committee	UT Southwestern
2015-2016	Search Committee GI Division Chief	UT Southwestern
2017-present	Selection Committee SWHR Clinical Scholars Program	UT Southwestern
<u>Hospital</u>		
1993-1996	Parkland Center for Internal Medicine Planning Committee	Parkland Memorial Hospital
1995-1996	Medicine Performance Improvement Committee	Parkland Memorial Hospital
1995-1996	Quality Assurance Reviewer	Parkland Memorial Hospital
1995-1996	ICU Committee	Parkland Memorial Hospital
1995-1996	Committee to Reorganize Medicine/Psychiatry Emergency Care	Parkland Memorial Hospital
1995-1996	Medical Records Committee	Dallas VA Medical Center
1995-1996	Laboratory Utilization Review Committee	Dallas VA Medical Center
1995-1996	Emergency Services Committee	Parkland Memorial Hospital
1998-2000	Clinical Services Committee, Cardiology Division	Brigham and Women's Hospital, Harvard Medical School
1998-2000	Interviewer, Fellowship Selection Committee	Brigham and Women's Hospital,
2000-2003	Medicine Performance Improvement Committee	Parkland Memorial Hospital
2002-present	Pharmacy P & T Cardiology Subcommittee	Parkland Memorial Hospital
2002-present	Pharmacy P & T Anticoagulation Subcommittee	Parkland Memorial Hospital
2006-2008	Resuscitation Committee	Parkland Memorial Hospital
2006-2012	Critical Care Committee	Parkland Memorial Hospital
2009-2015	Chair, Cardiovascular High Performance Committee	Parkland Memorial Hospital
<u>State/Regional</u>		
None		
<u>National/International</u>		
2000-2003	Operations and Steering Committee, FASTER trial	TIMI Study Group
2001-2004	Lead Investigator and Executive Committee, A to Z Trial	TIMI Study Group and Duke Clinical Research Institute

2004	Steering Committee, USE BNP Trial	Siemens Diagnostics
2004-2007	Steering Committee, MERLIN Trial,	TIMI Study Group
2004-present	Steering Committee, ImPROVE IT Trial	TIMI Research Group and Duke Clinical Research Institute
2005-2009	Steering Committee, AVANT-GARDE TIMI 43	TIMI Research Group
2006	NHLBI workshop on CRP	NHLBI
2007-2008	Data Safety and Monitoring Board, APPRAISE-1 trial	Duke Clinical Research Institute
2007-2011	Clinical Events Committee, VA Coronary Revascularization in Diabetes Study	VA Clinical Trials Program
2008-2009	Clinical Event Committee, PLATO trial	Duke Clinical Research Institute
2009	Committee on Qualification of Biomarkers as Surrogate Endpoints in Chronic Disease Risk. Ad-hoc participant	Institute of Medicine
2009-2011	Data Safety and Monitoring Board, APPRAISE-2 trial	Duke Clinical Research Institute
2010-2011	US Operations Committee, ECLIPSE Trial	Duke Clinical Research Institute
2010-2011	Data Safety and Monitoring Board, ELEVATE-TIMI 56 Trial	TIMI Study Group
2010-2012	Clinical Events Committee, Welcol Program	Daiichi-Sankyo
2011-2013	Clinical Event Committee, RECORD trial	Duke Clinical Research Institute
2011-2016	Data Safety and Monitoring Board, REFINE-ICD Trial	University of Calgary
2012-2015	Data Safety and Monitoring Board, Analyze ST Trial	St. Jude
2013-2018	US FDA Cardiorenal Advisory Panel	Food and Drug Administration
2013-2018	Chair, Data Safety and Monitoring Board, DEVOTE Trial NN1250-4080 (Comparison of insulin degludec versus insulin glargine)	Novo Nordisc
2013-2015	Data Safety and Monitoring Committee, LATTITUDE-TIMI 60 Trial	TIMI Study Group
2014-2020	Sarnoff Cardiovascular Research Foundation Scientific Committee	Sarnoff Foundation
2015-present	Steering Committee, GOULD Registry	Amgen
2016-present	Executive Editor <i>Circulation</i>	Am Heart Association
2016-2020	DSMB Chair DEFINE-HF trial	Mid America Heart Institute
2016-2018	Executive Council	Association of University Cardiologists
2017-present	Evinacumab Data Monitoring Committee	Regeneron
2017-2020	DSMB Chair PRESERVED-HF trial	Mid America Heart Institute
2017-2020	DSMB Chair EBRACE-HF trial	Mid America Heart Institute
2017-present	Chair, DMC, FLOW Trial	Novo Nordisc

2017-present	DSMB Member: R01 HL134893, PI Jennifer Ho, Association of Metabolic Disease and Pulmonary Hypertension	NIH/NHLBI
2018-2020	DSMB Chair REAL-TIMI 63B	TIMI Study Group
2018-present	US FDA Endocrine and Metabolic Panel	Food and Drug Administration
2019-present	Chair, IDMC, SURMOUNT-1 Trial	Eli Lilly
2020-	Chair, IDMC, Dapa DARE-19	Mid America Heart Institute
2020-	Chair, IDMC, COVID-PACT	Brigham and Women's Hospital
2020-	Chair, IDMC, GOLDILOX – TIMI 69 Trial	Brigham and Women's Hospital
2020	Chair, DSMC ASPEN NAPc-203/301 trial	U Colorado/CPC Clinical Research

### **Professional Societies**

Dates	Society Name, member
1990-1994	American Medical Association
1990-2001	Massachusetts Medical Society
1992-present	Texas Medical Association
1992-present	Dallas County Medical Society
1993-1996	American College of Physicians
1996-present	American College of Cardiology (Fellow)
2000-present	Abstract Reviewer (2000-present)
2006, 13, 15	Peer Reviewer, ACC/AHA Guidelines (STEMI, UA/NSTEMI, DAPT)
2007-present	ACTION™ (Acute Coronary Treatment and Interventions Outcomes Network)
2007-2010	Member, Research and Publications Committee
2010-2016	Steering Committee
2010-2016	Chair, Research and Publications Committee
2007-2012	ACC Foundation Research Awards Review and Selection Committee
2010-2012	ACC/AHA STEMI Practice Guideline Writing Committee
2011-2013	Scientific Sessions Program Committee, Co-coordinator Acute Coronary Syndromes
2013-2014	Scientific Sessions Program Committee, Coordinator Acute Coronary Syndromes
2014	ACC/AHA STEMI Practice Guideline Update Committee
2019	ACC Roundtable on Type 2 MI (Panelist)
2020	ACC Roundtable on Chest Pain Evaluation (Co-Chair)
1998-present	American Heart Association (Fellow)
2000-present	Abstract Reviewer 2000-present
2002-2004	Young Clinician-Investigator Committee
2004-2007	Acute Cardiac Care Committee
2005-2014	Participant, Scientific Sessions Planning Committee (2005-2006, 2009-2014)
2018-present	Participant, Scientific Sessions Late Breaking Trials Committee
2006-2009	Expert Panel on Subclinical Atherosclerotic Disease and Emerging Risk Factors
2010	Peer Reviewer, STEMI/NSTEMI Performance Measures Statement
2010-2012	AHA/ACC STEMI Practice Guideline Writing Committee
2014	AHA/ACC STEMI Practice Guideline Update Committee



2014-2015	AHA Scientific Publishing Committee
2014-present	Samuel Levine Young Investigator Award Committee
2016-2019	AHA Research Leader's Academy Steering Committee
2016-present	Executive Editor <i>Circulation</i>
2011-2012	Society of Chest Pain Centers
2011-2012	Board of Trustees

### **Grant Review Activities**

Year(s)	Name of Review Committee	Organization
2005	Peer Reviewer	Health Services R&D Awards, Ireland
2006	Peer Reviewer	VA Merit Awards
2007	Peer Reviewer	UK National Health Service, UK
2007-2009	Pilot Awards Program	North and Central Texas Clinical and Translational Science Initiative (NCTCTSI)
2007-2012	ACC Foundation Research Awards Review committee	American College of Cardiology
2008	Peer Reviewer	Catalan Agency for Health Technology Assessment and Research, Spain
2008	Annual Contestable Funding Round	Health Resource Council of New Zealand
2009	Peer Reviewer, Challenge Grants	NIH
2010-2014	SBIR Study Section (ZRG1 CVRS-B 10 B, Small Business: Cardiovascular Sciences)	NIH
2011	2012/01 ODCS Oral, Dental and Craniofacial Sciences Study Section, ad hoc member	NIH
2011	Annual Contestable Funding Round	Health Research Council of New Zealand
2012	Clinical and Integrative Cardiovascular Sciences (CICS) Study Section, ad hoc member	NIH
2012	ERC Starting Grant 5 <sup>th</sup> Call 2012	European Research Council
2014	NHLBI Special Emphasis Panel to Review Framingham Heart Study contract	NIH
2014	Pilot Award Review Committee	Center for Translational Medicine, UT Southwestern
2014	NHLBI Division of Intramural Research Site Visit	NIH
2015	Pilot Grants Committee	Department of Internal Medicine, UT Southwestern
2015	Genome/Phenome Predictors in CVD	AHA

	Grant Review Committee	
2015	UK National Institute for Health Research	UK National Institute for Health Research
2018	NHBLI Special Review Panel for Cardia Study	NIH

### **Editorial Activities**

Year(s)	Journal Name
<u>Editor/Associate Editor</u>	
2010-2013	<i>Cardioexchange.com (Fellowship section co-editor)</i>
2016-	Executive Editor, <i>Circulation</i>
<u>Editorial Board</u>	
	<i>Circulation (past)</i>
	<i>Journal of the American College of Cardiology (past)</i>
	<i>The American Journal of Cardiology (past)</i>
	<i>The American Heart Journal (past)</i>
	<i>Cardiology in Review (past)</i>
<u>Ad Hoc Reviewer</u>	
	<i>New England Journal of Medicine</i>
	<i>Journal of the American Medical Association</i>
	<i>The Lancet</i>
	<i>Nature Medicine</i>
	<i>Circulation</i>
	<i>Circulation specialty journals including Circulation Heart Failure, Genetics, Quality/Outcomes, Interventions)</i>
	<i>Circulation Research</i>
	<i>Journal of the American College of Cardiology (Elite Reviewer 2006,2007,2008,2009)</i>
	<i>JACC specialty journals including JACC Imaging, Interventions, and Heart Failure</i>
	<i>The American Heart Journal</i>
	<i>The American Journal of Cardiology</i>
	<i>European Heart Journal</i>
	<i>Heart</i>
	<i>Clinical Chemistry</i>
	<i>Archives of Internal Medicine</i>
	<i>American Journal of Medicine</i>
	<i>Annals of Internal Medicine (Distinguished Reviewer 2005)</i>
	<i>Atherosclerosis</i>
	<i>Atherosclerosis, Thrombosis, and Vascular Biology</i>
	<i>Kidney International</i>
	<i>Clinical and Experimental Medicine</i>

	<i>Coronary Artery Disease</i>
	<i>Journal of Cardiac Failure</i>

### **Grant Support**

<u>Present</u>	<i>Grantor:</i> NIH/NHLBI 1R01HL144112-01
2018-2021	<i>Title of Project:</i> Biomarkers of myocardial injury, blood pressure and cardiovascular outcomes in SPRINT
	<i>Role (Principal Investigator, Co-Investigator):</i> Co Investigator (Berry, PI)
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 1,339,715 8/18-7/21
	This grant will determine whether intensive blood pressure control modifies cardiac injury and whether biomarkers can be used to guide the intensity of blood pressure lowering.

<u>Present</u>	<i>Grantor:</i> Roche Diagnostics
2018-2021	<i>Title of Project:</i> Cardiac Biomarkers in the HEART-D Trial
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i> 11/18-12/19
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$40,000
	This grant will determine whether a randomized fitness intervention modifies biomarkers of cardiac injury and neurohormonal stress.

<u>Present</u>	<i>Grantor:</i> NASA 80NSSC19M0207
2019-2021	<i>Title of Project:</i> Development of Short and Long-term Cardiovascular Disease Risk Calculator
	<i>Role (Principal Investigator, Co-Investigator):</i> Co- Investigator (Khera PI)
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$319,000
	This project will develop risk prediction models for long duration space flight in collaboration with NASA scientists.

<u>Present</u>	<i>Grantor:</i> Abbott Diagnostics (Investigator-initiated Grant)
2016-2021	<i>Title of Project:</i> High sensitivity troponin measurements in the Dallas Heart Study
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 2016-2021 \$170,000+materials
	This project will perform measurement of troponin I, using a novel highly sensitive assay, in the Dallas Heart Study with an aim of establishing this measurement as a valid tool for risk assessment in the general population.

<u>Present</u>	<i>Grantor:</i> NIH/NHLBI 1 K23-HL131939
2016-2021	<i>Title of Project:</i> Cardiovascular disease prevention in the community: The role of risk factor screening and targeted health intervention in blood donors
	<i>Role (Principal Investigator, Co-Investigator):</i> Supervising Mentor for Maria Odette Gore, MD
	<i>Annual amount and date (direct costs only):</i> 150,000
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$750,000
	This study will develop and test a novel strategy for CVD screening and behavioral intervention among blood donors. I am the K23 mentor for the PI (Odette Gore)

<u>Present</u>	<i>Grantor:</i> NIH/NHLBI (1T32HL125247)
2015-2025	<i>Title of Project:</i> Training in Cardiovascular Research
	<i>Role (Principal Investigator, Co-Investigator):</i> Co-Director
	<i>Annual amount and date (direct costs only):</i> \$323,000/year
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	The objectives of this training grant are to develop the next generation of transformative cardiovascular investigators by recruiting highly talented and motivated individuals and preparing them for success in an increasingly competitive and resource-challenged environment.

<u>Past</u>	<i>Grantor:</i> Abbott Diagnostics (Investigator-initiated Grant)
2014-2019	<i>Title of Project:</i> Novel biomarker measurements in the Dallas Heart Study
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 2014-2016 \$40,000+materials
	This project will measure selected novel cardiac biomarkers in the Dallas Heart Study as a compliment to the hs-cTnI project.

<u>Past</u>	<i>Grantor:</i> Abbott Diagnostics (Investigator-initiated Grant)
2014-2019	<i>Title of Project:</i> High Sensitivity Troponin I and BNP in the Jackson Heart Study
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 2014-2016 \$100,000+materials
	The study will prospectively evaluate, in a population-based cohort of African Americans, the associations between cardiac troponin I measured by a new highly sensitive troponin I assay (hs-cTnI), and BNP with incident congestive heart failure due to both systolic and diastolic dysfunction.

<u>Past</u>	<i>Grantor:</i> NIH/NIDDK 1 K23 DK106520-0
2015-2020	<i>Title of Project:</i> Visceral Adiposity and Diabetes: Translating Form to Function Using Imaging
	<i>Role (Principal Investigator, Co-Investigator):</i> Supervising Mentor for Ian Neeland MD
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$710,000
	This study will develop new MRI measures to assess adipose tissue function and apply them to the study of diabetes. I am the K23 mentor for the PI (Ian Neeland)

<u>Past</u>	<i>Grantor:</i> NIH/NCATS UL1TR001105
2013-2019	<i>Title of Project:</i> UT Southwestern Clinical and Translational Alliance for Research (UT-STAR)
	<i>Role (Principal Investigator, Co-Investigator):</i> Core 2 (Discovery in Humans) Co-PI
	<i>Annual amount and date (direct costs only):</i> 2013 -2018 \$4,412,465
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	The objective of this project is to improve the way biomedical research is conducted across the country, reduce time it takes for laboratory discoveries to become treatments for patients, improve population health, and train a new generation of clinical and translational researchers. Dr. de Lemos' role on this project is to co-direct one of four cores, the Discovery in Humans core Role: Co-PI

<u>Past</u>	<i>Grantor:</i> American Heart Association
2013-2018	<i>Title of Project:</i> HFpEF Prevention Center
	<i>Role (Principal Investigator, Co-Investigator):</i> Training Director, Co-PI Population Science
	<i>Annual amount and date (direct costs only):</i> \$1,000,000
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$4,000,000
	This study formed a multidisciplinary research center focusing on preventing heart failure with preserved ejection fraction. It is one of four centers included in the AHA's Strategically Focused Prevention Network. I was Director of the training program for this multidisciplinary grant and co-PI of the epidemiology project.

<u>Past</u>	<i>Grantor:</i> National Space Biomedical Research Institute
2014-2017	<i>Title of Project:</i> Improving Cardiovascular Risk Prediction: Biomarkers and Beyond
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i> N/A
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 2014 -2018; \$1,386,000
	This study evaluated, in a series of population-based studies, novel risk stratification tools that combine biomarkers and imaging in an "astronaut-like" demographic. The

	goal is to improve prediction and assessment of cardiovascular risk in the young and middle aged population.
	The objective of this institutional training grant is to select talented and committed young investigators and to prepare them for careers in cardiovascular research.

<u>Past</u>	<i>Grantor: Roche Diagnostics (Investigator-initiated Grant)</i>
2011-2013	<i>Title of Project: Correlation of Changes in Biomarkers with Incidence and Progression of Subclinical Cardiovascular Disease in the Dallas Heart Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): 2011-2013 \$159,432+ materials</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	This project will perform measurement of novel biomarker in the return DHS visit and correlate serial changes with changes in cardiovascular phenotypes over an 8 year period.

<u>Past</u>	<i>Grantor: Abbott Diagnostics (Investigator-initiated Grant) OTD-102615</i>
2011-2013	<i>Title of Project: Sensitive troponin measurements in cardiac transplant rejection and pulmonary hypertension</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): 2011-2013 \$88,400+materials</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	This project will perform measurement of troponin T, using a novel highly sensitive assay, in two cohorts: one with cardiac transplant (to evaluate transplant rejection) and one with pulmonary hypertension.

<u>Past</u>	<i>Grantor: Roche Diagnostics (Investigator-initiated Grant)</i>
2009-2010	<i>Title of Project: Highly sensitive troponin T in the Dallas Heart Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): 2009-2010 \$62,450</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	This project evaluated a novel, highly sensitive assay for cardiac troponin T as a screening test for cardiovascular disease in the community

<u>Past</u>	<i>Grantor: NHLBI SBIR Contract HHSN2682010 00003C Subcontract IOS #31 92-NIH-ACS</i>
2009-2010	<i>Title of Project: Lateral-flow immunoassay platform for multiplexed cardiac biomarkers measurement</i>
	<i>Role (Principal Investigator, Co-Investigator): Subcontract Principal Investigator</i>
	<i>Annual amount and date (direct costs only): 2009-2010 \$169,997</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	The goal of this project was to develop a point of care test strip for cardiovascular biomarkers.

<u>Past</u>	<i>Grantor:</i> NIH/NHLBI T32HL007360-04
2008-2014	<i>Title of Project:</i> Training in Cardiovascular Research (Hill PI)
	<i>Role (Principal Investigator, Co-Investigator):</i> Co-PI
	<i>Annual amount and date (direct costs only):</i> 2008-2014; \$846, 521
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> N/A
	The objective of this institutional training grant is to select talented and committed young investigators and to prepare them for careers in cardiovascular research

<u>Past</u>	<i>Grantor:</i> NIH RO1 HL087768
2007-2012	<i>Title of Project:</i> The GoodNEWS Trial (De Haven PI)
	<i>Role (Principal Investigator, Co-Investigator):</i> Co-Investigator
	<i>Annual amount and date (direct costs only):</i> 2007-2012
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$1,903,932
	This is a randomized controlled trial testing a community-based participatory intervention to lower cardiovascular risk in predominantly African American churches in Dallas.

<u>Past</u>	<i>Grantor:</i> NIH UL1RR024982
2007-2012	<i>Title of Project:</i> North and Central Texas Clinical and Translational Science Initiative (Toto PI)
	<i>Role (Principal Investigator, Co-Investigator):</i> Co-Investigator
	<i>Annual amount and date (direct costs only):</i> 2007-2012
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> \$22,000,000
	This award supported the initial UTSW CTSA.

<u>Past</u>	<i>Grantor:</i> Rules Based Medicine (Investigator-initiated Grant)
2007	<i>Title of Project:</i> Evaluation of a multiple biomarkers in a chest pain unit
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i> 2007 \$10,000
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	This was a pilot study evaluating a large biomarker panel in a chest pain unit population.

<u>Past</u>	<i>Grantor:</i> Biosite, Inc. (Investigator-initiated Grant)
2006-2009	<i>Title of Project:</i> Biomarker Discovery in the Dallas Heart Study
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i> 2006-2009 \$255,000
	This is an ongoing discovery project designed to identify novel biomarkers of cardiovascular disease, with an ultimate goal of creating multiple biomarker panels for population screening.

<u>Past</u>	<i>Grantor: Donald W. Reynolds Foundation</i>
2006-2009	<i>Title of Project: Return to the Dallas Heart Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Co-Investigator</i>
	<i>Annual amount and date (direct costs only): 2006-2009 \$6,622,722</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):\$6,622,722</i>
	<i>This grant supported the return visit for the Dallas Heart Study cohort</i>

<u>Past</u>	<i>Grantor: Glaxo-Smith-Kline (Investigator-initiated Grant)</i>
2006	<i>Title of Project: Evaluation of LP-PLA2 in the Dallas Heart Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$52,000 2006</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	<i>This project evaluated the associations between LP-PLA2, a novel inflammatory biomarker, and subclinical coronary and peripheral atherosclerosis.</i>

<u>Past</u>	<i>Grantor: Free Fatty Acid Sciences, Inc. (Investigator-initiated Grant)</i>
2004	<i>Title of Project: Development of Novel Biomarkers of Cardiac Ischemia</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$62,500 2004</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	<i>This study used a human model of cardiac ischemia (rapid atrial pacing) to evaluate unbound free fatty acid as a novel ischemia biomarker.</i>

<u>Past</u>	<i>Grantor: Ischemia Technologies, Inc. (Investigator-initiated Grant)</i>
2004	<i>Title of Project: Development of Novel Biomarkers of Cardiac Ischemia</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$12,500 2004</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	<i>This study used a human model of cardiac ischemia to evaluate Ischemia Modified Albumin as a novel ischemia biomarker</i>

<u>Past</u>	<i>Grantor: Biosite, Inc. (Investigator-initiated Grant)</i>
2004	<i>Title of Project: Evaluation of a multiple biomarker panel to detect ischemia in a chest pain unit</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$80,000 2004</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	<i>This project evaluated a point of care device for biomarker measurement in the emergency room.</i>

<u>Past</u>	<i>Grantor: Glaxo-Smith-Kline (Career Development Award)</i>
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2003-2004	<i>Title of Project: Identification of Novel Protein Markers of Cardiac Ischemia</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only): \$100,000 2003-2004</i>
	This study developed a discovery platform for identifying and validating potential ischemia biomarkers.

<u>Past</u>	<i>Grantor: Roche Diagnostics (Investigator-initiated Grant)</i>
2003-2004	<i>Title of Project: NT-proBNP, hs-CRP, and cTnT in the Dallas Heart Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):\$332,744 2003-2004</i>
	This study performed comprehensive evaluation of the cardiac and non-cardiac sources of variation of hs-CRP, cTnT, and NT-proBNP in the general population.

<u>Past</u>	<i>Grantor: NIH 7 RO1 AT 0005-03</i>
2002-2005	<i>Title of Project: Effect of High Dose Alpha Tocopherol on Carotid Atherosclerosis</i>
	<i>Role (Principal Investigator, Co-Investigator): Co-Investigator (10% effort)</i>
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):2002-2005</i>
	The goal of this project was to evaluate the potential protective effects of vitamin E on carotid atherosclerosis

<u>Past</u>	<i>Grantor: Merck and Co.</i>
2001-2004	<i>Title of Project: The A to Z Study</i>
	<i>Role (Principal Investigator, Co-Investigator): Co-Principal Investigator</i>
	<i>Annual amount and date (direct costs only):</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):2001-2004</i>
	This was a two –phased multicenter, randomized, double-blind, placebo-controlled clinical trial evaluating the efficacy and safety of early intensive statin therapy in patients with acute coronary syndromes (phase Z). It also compared low molecular weight heparin vs unfractionated heparin (phase A).

<u>Past</u>	<i>Grantor: Merck and Co. (Investigator-initiated Grant)</i>
2001	<i>Title of Project: Cost-effectiveness analysis of tirofiban in acute coronary syndromes</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$15,000 2001</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	A cost-effectiveness model was developed to evaluate tirofiban use in acute coronary syndromes

<u>Past</u>	<i>Grantor: Pfizer (Investigator-initiated Grant)</i>
2001	<i>Title of Project: Prospective risk-factor intervention in a multi-ethnic population</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): \$60,000 2001</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	This study tested a pharmacist-based program for lipid management in an underserved population

<u>Past</u>	<i>Grantor: Spectral Diagnostics</i>
1998	<i>Title of Project: Use of a rapid bedside assay for myoglobin to predict reperfusion after thrombolytic therapy: a substudy of the TIMI 14 trial</i>
	<i>Role (Principal Investigator, Co-Investigator): Principal Investigator</i>
	<i>Annual amount and date (direct costs only): 1998</i>
	<i>Total amount of award (if multi-year) and dates (direct costs only):</i>
	A rapid bedside test for myoglobin was used for risk assessment and noninvasive detection of reperfusion success after fibrinolytic therapy.

<u>Past</u>	<i>Grantor: Brigham and Women's Hospital NIH Training Grant</i>
1998-2000	<i>Title of Project: Public Health Services Grant HL07604-13</i>
	<i>Role (Principal Investigator, Co-Investigator): Trainee</i>
	<p>From 1998-2000, specific portions of the budgets for operational direction of these trials (and substudies within these trials) were designated for my salary support.</p> <p>TIMI 14 - Centocor Inc., Eli Lilly &amp; Co.  InTIME-II - Bristol Myers Squibb  TACTICS/TIMI 18 – Merck and Co.  ER/TIMI 19 –Centocor Inc.  FASTER – Merck and Co.  INTEGRITI – Cor Therapeutics Inc, Schering-Plough Research Institute  A2Z – Merck and Co.  PROVE IT – Bristol Myers Squibb</p>

**Clinical Trials Activities**

Local PI for Multiple Multicenter trials  
Trial leadership activities listed above

**Teaching Activities**

<u>Year(s)</u>	<u>Activity</u>
<b><u>Medical and graduate school didactic and small group teaching</u></b>	
2000-present	Core didactic lectures to Cardiology Fellows on management of acute coronary syndromes, annual

2000-present	Cardiology Clinical Conference (30 min case-based lecture), annual
2004-present	Fellows Research Conference, moderator, weekly
2006-present	Core didactic lectures to Internal Medicine residents on principles of management of acute coronary syndromes, annual
2006-present	Core didactic lectures to Emergency Medicine residents, "Management of Non ST elevation Acute Coronary Syndromes," annual since 2006
2006-present	Fellows Journal Club, moderator, weekly
2011-present	Fellows Case Conference, faculty leader/discussant, monthly
<b><u>Dissertation committees</u></b>	
2010	Keith Bernardo
<b><u>Qualifying examination committees</u></b>	
2015	Daniel Lindholm (Sweden): PhD Opponent
2017	Colleen Ruth, PhD examination committee (McMaster, Canada)
<b><u>Committees concerned with medical and graduate student education</u></b>	
2000-2011	Curriculum Committee, Internal Medicine Residency Training Program
2002-2010	Acute Care Committee for Fourth Year Student Rotations
2005-2008	Committee to Evaluate Clinical Competence, Internal Medicine Training Program
2009	Clinical Science Education Committee, Institutional Five Year Plan
2012	Clinical Science Education Committee, Institutional Six Year Plan
<b><u>Graduate student rotations</u></b>	
2000-2014	Parkland Cardiology Outpatient Clinic (Cardiology fellows clinic) Medical Director, 2000-2001 Attending physician, 2000-present (average 2 days/month)
2000-present	Parkland Cardiology Consult Service, average 2 weeks per year
2001-present	Coronary Care Unit Parkland Hospital Medical Director (2001-11) Attending physician (average 3 months per year)
2002-2014	St. Paul University Cardiology Service, average ½-1 month per year
2009-2013	UT Clinical Heart Center, preceptor for PA students, 6 days/year
2009-2014	St. Paul University Cardiology Consult Service, average 2 weeks/year
<b><u>Medical student rotations</u></b>	
2000-2013	Parkland Cardiology Consult Service (4 <sup>th</sup> year elective), average 2 weeks per year
2001-present	Coronary Care Unit Parkland Hospital, Medical Director Attending physician (average 3 months per year)
2002-2011	Director Acute Care Clerkship in Cardiology
2009-2014	St. Paul University Cardiology Consult Service, average 2 weeks/year
2015	Distinguished Educator Award Nominee

<b><u>College student trainees</u></b>	
2015	Walter Oliver
2015	Gwendolyn Matthews
2015	Kim Reimold
2018	Adrienee Walker
<b><u>Postdoctoral trainees</u></b>	
2000-2001	Stanley Watkins, MD
2003-2004	Amit Khera, MD, MS
2002-2004	Rajat Deo, MD
2003-2004	Vivian Mo, MD
2004-2005	Sandeep Das, MD, MPH
2004-2006	Shuaib Abdullah
2004-2006	Alice Chang, MD
2005-2006	Tom Wallace, MD
2005-2007	Usman Baber, MD
2005-2007	Rapheal See, MD
2004-2010	Shailja Parikh, MD
2006-2010	Sachin Gupta, MD
2007-2009	Anand Rohatgi, MD
2007-2009	Frances Wood, MD
2009-2010	Leticia Castillo, MD
2008-2009	Andrew Owens, MD
2008-2009	Nitin Gupta, MD
2009-2011	Tiffany Powell, MD, MPH
2010-2011	Ann Nguyen, MD
2010-2012	Lu Chen, MD, MPH
2011-2013	Ian Neeland, MD
2013-2019	Purav Mody, MD
2015-2017	Jeanney Lew, MD
2015-2016	Wally Omar, MD
2014-2016	Maria (Odette) Gore, MD
2015-2017	Elizabeth (Blair) Solow, MD
2015-2018	Ambarish Pandey, MD
2016-2019	Eddie Hackler, MD
2016-2017	Josephine, Harrington, MD
2017-2021	Chistopher Puleo, MD
2018-2020	Alana Lewis, MD

## **Invited Lectures**

Year(s)	Title	Location
<b><u>International</u></b>		
2000	Symposia, Taipei and Kowshon, Taiwan, “Statins in acute coronary syndromes	Taipei and Kowshon, Taiwan
2000	International Society of Atherosclerosis, Stockholm, Sweden, “Infection, Inflammation, and Statins in ACS	Stockholm, Sweden
2001	European Heart House University Program, Cannes, France. Management of the CHD Patient at Hospital Discharge. Lecture: “When Should Statins be Started Following an Acute Coronary Syndrome?”	Cannes, France
2002	Distinguished Speaker. Asociación Nacional de Cardiólogos de México. Multiple Lectures on various topics in Acute Coronary Syndromes	Acapulco, Mexico
2003	Mexican Society of Cardiology. Lectures on Acute MI, Reperfusion Therapy, Statin Agents in Acute Coronary Syndromes.	Monterrey, Mexico
2003	Invited Faculty, Cardiology Society of Sao Paulo, Sao Paulo Brazil. Multiple lectures on acute coronary syndromes and biomarkers	Sao Paulo, Brazil
2004	Invited Lecturer, Canadian Cardiovascular Society Scientific Sessions. Multiple Lectures on Acute Coronary Syndromes and Risk Stratification	Calgary, Canada
2004	Lecture series in Taipei, Kowshun, Taishung, Taiwan: “Contemporary management of acute coronary syndromes”	Taipei, Kowshun, Taishung, Taiwan
2005	“Novel Biomarkers.” Joint ESC/ACC Symposium at the European Society of Cardiology Meeting	Stockholm, Sweden
2008	6 <sup>th</sup> Annual Center for Heart Failure Research Symposium. “Biomarkers in the Dallas Heart Study.”	Oslo, Norway
2008	6 <sup>th</sup> International Symposium on NT-proBNP. “Cardiovascular Risk in General Populations.”	Baveno, Italy
2009	Society of Cardiology de Rio de Janiero, Brazil. Keynote Speaker: “Antiplatelet therapy in Acute Coronary Syndromes” and “Risk Stratification in Acute Coronary Syndromes.”	Rio de Janiero, Brazil

2010	Sao Paulo State Cardiology Society (SOCER) Annual Meeting. Keynote lecture on “Biomarkers of Atherothrombosis,” and second lecture “Targets for Lipid Lowering,”	Sao Paulo, Brazil
2011	Mexican Congress of Cardiology: “Sensitive Troponins” and “Biomarkers in Congestive Heart Failure”	Puerta Vallarta, Mexico
2011	University of Puerto Rico Veterans Hospital Grand Rounds “Using Biomarkers, Genetics and Imaging to Identify Candidates for Cardiovascular Prevention.”	San Juan, Puerto Rico
2012	3 <sup>rd</sup> World Psoriasis and Psoriatic Arthritis Conference: Keynote Lecture “Inflammatory mediators of atherosclerosis with relevance to psoriasis.”	Stockholm, Sweeden
2013	Keynote Lecture, Vascular 2013: “Vascular Risk Factors Over the Course of the Lifetime.”	Montreal, Canada
2013	9 <sup>th</sup> International proCardio Symposium: “Biomarkers of Cardiac Stress and Injury”	Amstersdam, Netherlands
2014	12 <sup>th</sup> Annual Center for Heart Failure Research Symposium. “Biomarkers for heart failure prediction: a path forward to prevention?”	Oslo, Norway
2015	Great Wall Meeting, “Bringing new Science to Cardiovascular Risk Prediction”	Beijing, China
2015	Wuhan Cardiovascular Symposium, “Biomarkers, Imaging, and Genetics for Cardiovascular Disease Screening”	Wuhan, China
2015	Biomarker Symposium, Upsulla Center for Clinical Research	Upsulla, Sweden
2016	Research Symposium: “Screening the population for cardiovascular disease.”	Hangzhou China
2016	Oriental Congress of Cardiology: “Acute troponin level and the classification of MI”	Shanghai, China
2017	University of Alberta Grand Rounds and Dr. Joseph Dvorkin Memorial Lecture: “Predicting Cardiovascular Disease Risk Among Apparently Healthy Adults: Can We Build a Better Mousetrap?”	Edmonton, Canada
2018	“Appropriate Cardiac Testing,” and “Update in Acute Coronary Syndromes”	Rome Italy
2019	Visiting Professor, INCOR and University of Sao Paulo	Sao Paulo, Brazil

National

2000	American Heart Association Annual Meeting: “How to assess myocardial reperfusion: invasive and noninvasive approaches.”	Ananheim, CA
2000	Transcatheter Cardiovascular Therapeutics Meeting, Washington DC, “Redefining reperfusion in AMI: Optimizing microvascular flow, restoring myocardial metabolism—	Washington, DC
2000	Transcatheter Cardiovascular Therapeutics Meeting, Washington DC, “Pathophysiology of plaque formation, regression, and rupture—Can statins interrupt natural history?”	Washington, DC
2000	State of the Art Lecture: The 4 <sup>th</sup> National Congress of Chest Pain Centers, Baltimore, MD, “The effects of combined thrombolytic and platelet inhibitor therapy on myocardial and microvascular perfusion.”	Baltimore, MD
2001	Transcatheter Cardiovascular Therapeutics Meeting, Washington DC, “Harmonizing mechanical and pharmacologic therapies For Acute MI—Beyond TIMI 3 Flow: The role of static and continuous ECG Monitoring”	Washington, DC
2001	American College of Cardiology Board Review “Antiplatelet and Antithrombotic Agent in ACS”	Chicago, IL
2002	Fifth Annual Joint Summit on Markers in Cardiology. “Myoglobin, a “Blue Collar” Marker’s Application in Patients with Acute Coronary Syndromes	Louisville, KY
2002	4 <sup>th</sup> Annual Mount Sinai Acute Coronary Syndromes Symposium. Lectures on “Serum Markers” and “Incorporating Combination Pharmacologic and PCI approaches for ST elevation MI”	New York, NY
2002	American College of Cardiology Board Review Course, “Antiplatelet and Antithrombotic Agent in Acute Coronary Syndromes	Chicago, IL
2002	Emerging Science of Lipid Management, Regional Co-Chair	New York, NY
2002	Grand Rounds, Geisinger Medical Center, Danforth PA: “Advances in Antithrombotic Therapy for Acute Coronary Syndromes	Danforth, PA
2003	AHA Satellite Symposium: “ Standards in ACS from Diagnosis to Discharge.” Lecture: “Novel	Orlando, FL

	Cardiac Markers: sCD40L, BNP, and Multimarker Approaches	
2003	Transcatheter Therapeutics Meeting, Invited Faculty. “New Tools for Risk Stratification in ACS” and “Enoxaparin in ACS	Washington, DC
2003	College of American Pathologists: “Troponin, the natriuretic peptides and other biochemical markers: understanding heart disease.	San Diego, CA
2003	American College of Cardiology Board Review Course: “ST Elevation MI” and “Antithrombotic Therapies	Chicago, IL
2003	Emerging Science of Lipid Management, Regional Co-Chair	New York, NY
2003	Cardiology Grand Rounds, The University of Michigan Medical School: “Novel Cardiac Markers for Risk Stratification in Acute Coronary Syndromes	Ann Arbor, MI
2003	Cardiology Grand Rounds, Tulane University Medical School. “Integrating Risk Stratification into Clinical Decision Algorithms for Acute Coronary Syndromes”	New Orleans, LA
2003	Cardiology Grand Rounds, Vanderbilt Medical Center, Nashville TN “Biomarkers in Ischemic Heart Disease: Integrating Pathophysiology and Risk Stratification	Nashville, TN
2003	American College of Cardiology Symposium “Cardiology at Big Sky.” Lectures on “Management of ST elevation MI” and “Antiplatelet and Antithrombotic Therapies	Big Sky, MO
2003	Vascular Biology Working Group. “Novel Cardiac Biomarkers for Risk-Stratification in Patients with Acute Coronary Syndromes	Chicago, IL
2004	AHA Symposium, Risk Stratification in Acute Coronary Syndromes, “Natriuretic Peptides in ACS”	New Orleans, LA
2004	Cardiac Marker Summit, “Natriuretic Peptides in Ischemic Heart Disease	Louisville, KY
2004	Transcatheter Therapeutics Meeting, Symposium Chair “Cardiac Markers,” and lecture, “Enoxaparin in Acute Coronary Syndromes	Washington, DC
2004	College of American Pathologists National Meeting: “Clinical Applications of Cardiac Biomarkers	Phoenix, AZ



2004	American College of Cardiology Board Review Course, Atlanta, GA 2 lectures and case presentations about acute coronary syndromes and antithrombotic therapies	Atlanta, GA
2004	5 <sup>th</sup> Annual Antithrombotic Therapy Symposium, Detroit. “Adjunctive Therapies for STEMI	Detroit, MI
2004	Symposium Chair, American College of Cardiology Meeting, New Orleans. “Markers of Atherogenic Risk: The Old and the New	New Orleans, LA
2005	Plenary Lecture, American Heart Association Scientific Sessions “Challenges in Acute Coronary Syndromes: Biomarkers and Diagnosis.”	New Orleans, LA
2005	Invited lecture, Washington University, St. Louis, MO “Biomarkers in Acute Coronary Syndromes.”	St. Louis, MO
2005	University of Kansas Cardiovascular Symposium. Keynote Speaker: “Acute Coronary Syndromes” and “Acute Myocardial Infarction	Wichita, KS
2006	AHA Scientific Sessions, Invited Symposium Lecture. “Multiple Biomarker Strategies for Risk Stratification in the Acute Coronary Syndromes.”	Orlando, FL
2006	Cardiology Grand Rounds, Oschner Medical Center, New Orleans LA. “Management of the Acute Coronary Syndromes.”	New Orleans, LA
2006	Cardiology Grand Rounds, Tulane Medical Center, New Orleans LA; “Antiplatelet and Antithrombotic Strategies in ACS”	New Orleans, LA
2006	University of Virginia 19 <sup>th</sup> Annual Seminar on Advances in Cardiovascular Medicine, Charlottesville, VA: “Cardiac markers and their clinical significance.”	Charlottesville, VA
2006	Boehringer Ingelheim Expert Panel on Atherosclerosis, New York, NY: “Clinical development of novel therapies for atherosclerosis: the role of biomarkers, imaging and surrogate endpoints.”	New York, NY
2006	2006 Biomarker Symposium with FDA, Bethesda MD: “Biomarkers of Congestive Heart Failure.”	Bethesda, MD
2006	Cardiology Grand Rounds, Yale Medical School, New Haven CT: “Antiplatelet and antithrombotic strategies in ACS.”	New Haven, CT

2006	American College of Physicians Symposium, Philadelphia on "Prevention of atherothrombotic disease." Lecture: "Diagnostic Pathways to Atherothrombotic Disease: Identifying High Risk Patients."	Philadelphia, PA
2006	Symposium: "Risk Stratification in ACS," at ACC Scientific Sessions, Atlanta Topic: "Biomarkers"	Atlanta, GA
2007	Cardiology Grand Rounds, SUNY Stonybrook. "Acute Coronary Syndromes: an update.	Stoneybrook, NY
2007	Cardiology Grand Rounds, Grady Memorial Hospital. "Antiplatelet agents in acute coronary syndromes: old problems, new drugs."	Atlanta, GA
2007	Cardiology Grand Rounds, University of Michigan Medical Center. "Biomarkers in Cardiovascular Disease: First steps in the move to personalized medicine?"	Ann Arbor, MI
2007	American Heart Association Plenary Lecture: "Antithrombotic Therapy in ACS from Door to Discharge"	Orlando, FL
2007	2007 NHLBI/FDA Biomarker Symposium "Biomarkers of Congestive Heart Failure."	Bethesda, MD
2007	ACC Board Review Course. Lectures on "Non ST Elevation Acute Coronary Syndromes" and "Pharmacology of Antithrombotic Agents,"	Las Vegas, NE
2007	4 <sup>th</sup> Symposium on the Burden of Atherothrombotic Disease: Diagnosis and Therapy. Lecture: "The Dallas Heart Study."	New York, NY
2007	AHA Satellite Symposium on <u>Biomarkers in Acute Coronary Syndromes</u> . Lecture "Troponins Tried and New."	New Orleans, LA
2007	Internal Medicine Grand Rounds, The University of Hawaii. "Biomarkers in Cardiovascular Disease: moving towards a personalized medicine approach."	Honolulu, HA
2007	UCSD Biomarker Summit. "Biomarkers in the Dallas Heart Study."	San Diego, CA
2008	Cardiology Grand Rounds, Case Western Reserve. "Biomarkers in Cardiology: promises and pitfalls	Cleveland, OH
2008	Cardiology Grand Rounds, University of California, Davis. "Biomarkers for Risk Assessment in the General Population	Sacramento, CA

2008	17th Annual Cardiology update for Primary Care. “What are appropriate lipid targets for 2008?”	Omaha, NE
2008	24 <sup>th</sup> Annual Cardiology Conference. “The emerging role of biomarkers in cardiovascular disease: present status and future challenges	Sioux City, IA
2008	Critical Markers of Disease Symposium. “Biomarkers of Thrombosis,” and “Population Screening.”	Bethesda, MD
2008	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents”	Las Vegas, NE
2008	3 <sup>rd</sup> International Symposium on Integrated Biomarkers In Cardiovascular Disease. “Biomarkers and Genetics for the Detection of Preclinical Heart Disease: insights from the Dallas Heart Study.”	Seattle, WA
2008	The 9 <sup>th</sup> Annual Antithrombotic Therapy Symposium. Eberhart Memorial Lecture in Coagulation Sciences “Biomarkers of Atherosclerosis and Thrombosis.”	Detroit, MI
2008	University of California San Diego Biomarker Summit. “Biomarkers in the Dallas Heart Study.”	San Diego, CA
2009	The 35 <sup>th</sup> Annual Williamsburg Conference on Heart Disease. “Diagnosis and Risk Assessment of Acute Coronary Syndromes” and “Early Lessons from the Dallas Heart Study	Williamsburg, VA
2009	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents	Las Vegas, NE
2009	Institute of Medicine Committee on Qualification of Biomarkers as Surrogate Endpoints in Chronic Disease. Lecture: “Troponin as a Case Study for Cardiac Biomarkers	Washington, DC
2009	American College of Cardiology Satellite Symposium. “Realities of Contemporary Angina Management	Orlando, CA
2009	Cardiology Grand Rounds, University of Pennsylvania, “Biomarkers in Cardiovascular Disease: a paradigm for personalized medicine?”	Philadelphia, PA
2009	Research Seminar, University of Pennsylvania, “Biomarkers in the Dallas Heart Study.”	Philadelphia, PA

2009	Atherosclerotic Cardiovascular Disease from Pathophysiology to Management: New Insights, Symposium at Cedars Sinai Medical Center. “Non Traditional Risk Factors—from CRP to Gene Polymorphisms: Do They Really Help?”	Los Angeles, CA
2010	Visiting Professor, University of Wisconsin. Cardiology Grand Rounds: “Biomarkers in Cardiovascular Disease.” Internal Medicine Grand Rounds: “Controversies in Antiplatelet Therapy for Acute Coronary Syndromes	Madison, WI
2010	AHA Quality, Outcomes Research Meeting, “Utility of Biomarkers to Enhance CVD Risk Prediction	Washington, DC
2010	Keynote Debate, American Heart Association Epidemiology Annual Meeting. “Pro: Novel Risk Markers and Screening Tests Will Improve the Prediction and Prevention of Cardiovascular Disease	San Francisco, CA
2010	Cardiology Grand Rounds, University of Minnesota. “Biomarkers in Cardiovascular Disease: A Paradigm for Personalized Medicine	Minneapolis, MN
2011	AHA Scientific Sessions; “Risk Models and Biomarkers in ACS”	Orlando, FL
2011	Cardiometabolic Health Congress: “Biomarkers of Cardiac Stress and Injury”	Boston, MA
2011	Cardiology Grand Rounds, Brigham and Women’s Hospital. “Sensitive troponin assays: one step forward, two steps back?”	Boston, MA
2011	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents	Chicago, IL
2011	Vascular Biology Working Group Meeting: “Plasma Biomarkers: what about a multiple biomarker strategy	New Orleans, LA
2011	California Pacific Hospital Cardiology Grand Rounds. “Biomarkers for Risk Assessment in Cardiology	San Francisco, CA
2012	Grand Rounds, Penn State Medical Center: “Biomarkers in cardiovascular disease: promises, pitfalls, and practical solutions.”	Hershey, PA
2012	Association of University Cardiologists Annual Meeting: “Screening the population for heart disease using highly sensitive troponin assays.”	Carmel, CA
2012	AHA Satellite Symposium: “Stable angina; role of medical therapy and revascularization.”	Los Angeles, CA

2012	UCSD Biomarker Symposium: “Dallas Heart Study: Measuring low level cardiac injury in the general population	San Diego, CA
2012	ACC Clinical Focus Session Chair: “Rapid Fire Update in ACS.”	Chicago, IL
2012	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents	Chicago, IL
2013	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents	Chicago, IL
2013	The 39 <sup>th</sup> Annual Williamsburg Conference on Heart Disease. “Screening healthy individuals for heart disease: where are we and where are we going?”	Williamsburg, VA
2013	Donald W. Chapman Memorial Lecture, Baylor College of Medicine Cardiology Grand Rounds. “Highly sensitive assays for cardiac troponins”	Houston, TX
2013	Thomas W. Smith MD Memorial Lecture, Brigham and Women’s Hospital 2013 Cardiovascular Medicine Course. “Advances in Cardiac Biomarker Science: Implications for the Practitioner”	Boston, MA
2013	Best of ACC 2013 Update Meetings. “Acute Coronary Syndromes”	Chicago, IL Boston, MA
2013	ACC Clinical Focus Session Chair: “Rapid Fire Update in ACS.”	San Francisco, CA
2013	ACC Scientific Sessions: Debate: “High sensitivity troponin assays will drive the cardiologist to drink.”	San Francisco, CA
2014	AHA Symposium: “ACS Headline Debates: An Expert Exchange Regarding the Top Questions in Antiplatelet Therapy,” Program Chair	Chicago, IL
2014	AHA Scientific Sessions Lecture: “The changing face of the coronary care unit.””	Chicago, IL
2014	ACC Board Review Course. Lectures on “Non ST Elevation Acute Coronary Syndromes” and “Pharmacology of Antithrombotic Agents	Chicago, IL
2014	Best of ACC 2014 Update Meetings. “Acute Coronary Syndromes”	Anaheim, CA Chicago, IL
2014	Cardiology Grand Rounds, Mid America Heart Institute. “Highly sensitive troponin assays”	Kansas City, Mo

2014	ACC Scientific Sessions: “Innovation in antiplatelet therapy for ACS: can we improve efficacy without causing bleeding?”	Washington DC
2014	ACC Clinical Focus Session Chair: “Key controversies in ACS.”	Washington DC
2015	University of Utah: “Highly sensitive troponin assays: one step back and two steps forward?”	Salt Lake City, UT
2015	University of Arizona: “Highly sensitive troponin assays: new opportunities amid existing challenges	Tucson, AZ
2015	Best of ACC 2014 Update Meetings. “Acute Coronary Syndromes”	Miami, FL Chicago, IL
2015	AHA Late Breaking Clinical Trials: Discussant: “Individualizing Treatment Duration of Dual Antiplatelet therapy after PCI: An analysis of the DAPT trial.”	Orlando, FL
2015	CVCT meeting: Incorporation of Biomarkers into Clinical Trial Design	Washington, DC
2016	Cardiology Grand Rounds, Case Western Reserve University. “Acute Coronary Syndromes. Applying New Evidence to Clinical Practice”	Cleveland, OH
2016	Cardiology Grand Rounds, University of Chicago. “New Insights into the Epidemiology of Heart disease: a few stories from the Dallas Heart Study”	Chicago, IL
2016	Cardiology Grand Rounds, Christiana Health. “Screening the Population for Cardiovascular Disease: bringing new science to an old problem.”	Newark, DE
2016	Boston University Medical Center Cardiology Grand Rounds: Improving Outcomes in Acute Coronary Syndromes: From Event to Exit and Beyond	Boston, MA
2016	Beth Israel Deaconess Medical Center Cardiology Grand Rounds; Screening the Population for Cardiovascular Disease: Bring New Science to an Old Problem	Boston, MA
2017	Stonybrook Medical Center Internal Medicine Grand Rounds: “Update in the management of acute coronary syndromes”	Stonybrook, NY
2017	Plenary Lecture, University of Missouri Cardiovascular Medicine Annual Update	Columbia, MO

2017	Dennis Memorial Lecture, Baylor College of Medicine: “New approaches for cardiovascular risk assessment in the population.”	Houston TX
2017	AHA Scientific Sessions: “Managing the Troponin Tsunami” and “Practical considerations with implementation of hs-cTnT in the U.S.”	Anaheim, CA
2018	UCSD Biomarker Symposium: Debate on high sensitivity troponin testing	San Diego, CA
2018	ACC Scientific Sessions: “Implementing high sensitivity troponin into clinical practice	Orlando, FL
2018	Cardiology Grand Rounds, Cleveland Clinic. “High Sensitivity Troponins: New challenges, new opportunities”	Cleveland, OH
2018	ACC Annual Cardiology Board Review Course: “NSTEMI,” and “STEMI” lectures	Chicago, IL
2018	Cardiometabolic Health Conference: “Adding biomarkers to CAC scanning for global CVD risk assessment”	Boston, MA
2018	PRIMED regional meeting; “Update in Acute Coronary Syndromes”	Los Angeles, CA
2018	ACC/NIH/NIA Symposium on Cardiac Testing in the Elderly: “Biomarker Considerations in Older Adults.”	Washington DC
2019	ACC Scientific Sessions: “Prevention Year in Review.”	New Orleans, LA
2019	ACC Scientific Sessions: “Why hs-cTn is important to your practice.”	New Orleans, LA
2019	Cardiology Grand Rounds, University of Alabama Birmingham: “Screening the population for cardiovascular disease: can we create a better mousetrap?”	Birmingham, AL
2019	Bristow Lectureship, Knight Cardiovascular Institute and Oregon Health Sciences University	Portland, OR
2019	AHA Scientific Sessions. Session Chair Late Breaking Clinical Trials: the ISCHEMIA trial	Philadelphia, PA
2020	Oregon State Chapter ACC Meeting: 2 lectures “High Sensitivity Troponin, Type 2 MI, and the Everchanging Definition of Myocardial Infarction” and “Novel Strategies Screening for Cardiovascular Disease”	Portland OR (Virtual)
2020	Cardiology Grand Rounds, Christiana Health. “High Sensitivity Troponin: A disruptive Technology”	Wilmington, DE (Virtual)

2020	Dudley Family Visiting Professorship, Inova Heart and Vascular Institute	Fairfax, VA (Virtual)
<u>Regional/Local</u>		
2003	Cardiology Grand Rounds, Wilford Hall Medical Center. "Recent Advances in Acute Coronary Syndrome Diagnosis and Management	San Antonio, TX
2004	Texas Heart Institute Grand Rounds (2 lectures) "Novel Applications of Cardiac Biomarkers in Acute Coronary Syndromes" and "BNP in Cardiovascular Disease	Houston, TX
2004	Medicine Grand Rounds, UT Tyler Medical Center: "Advances in Antithrombotic Therapy for Acute Coronary Syndromes."	Tyler, TX
2005	Internal Medicine Grand Rounds, Baylor University Medical Center, Dallas, TX "Biomarkers in Cardiovascular Disease: integrating pathophysiology into clinical practice	Dallas, TX
2005	American College of Cardiology Board Review Course, Two lectures and case presentations	Dallas, TX
2006	Cardiology Fiesta, San Antonio Texas: "Statins and Pleoptrophic Effects" and "Biomarkers for Individualizing Therapy	San Antonio, TX
2007	Cardiology Fiesta. Lectures: "Lessons for San Antonio from the Dallas Heart Study" and "Biomarkers in Cardiovascular Disease."	San Antonio, TX
2008	Cardiology Fiesta. "Lessons from the Dallas Heart Study."	San Antonio, TX
2008	UT Southwestern Preventive Cardiology Symposium. "New Goals for Lipid Lowering Therapy."	Dallas, TX
2008	Southwest Cardiology Summit. "Controversies in Antiplatelet Therapy."	Dallas, TX
2009	Cardiology Fiesta 2009 Symposium, "Translating Research Studies into Clinical Practice: my top 10 suggestions	San Antonio, TX
2009	Texas Tech University First Annual Update in General Internal Medicine. Keynote address: "Biomarkers, Imaging, and Genetics: Ready for my primary care practice?"	Lubbock, TX
2010	Cardiology Fiesta. Lectures on "Protein Biomarkers in Heart Disease," and "How to develop a career in academic cardiology	San Antonio, TX



2010	Baylor Cardiovascular Summit. “How to choose an antiplatelet agent for my patient”	Dallas, TX
2011	Texas Heart Institute Cardiology Grand Rounds. “Biomarkers in Cardiovascular Disease: focus on population screening	Houston, TX
2012	Cardiovascular Innovations Symposium, UT Southwestern: “Antiplatelet and Antithrombotic Agents in ACS.”	Dallas, TX
2012	Tyler Cardiovascular Summit, Keynote Address: “Screening healthy individuals for heart disease: where are we and where are we going?”	Tyler, TX
2012	Internal Medicine Grand Rounds, UT Southwestern: Increasingly Sensitive Assays for Cardiac Troponins: One Step Back and Two Steps Forward?	Dallas, TX
2012	Cardiology Grand Rounds, UT Health Science Center, San Antonio. “Sensitive troponin assays pitfalls and progress.”	San Antonio, TX
2013	Cardiology Grand Rounds, Baylor Medical Center: “Antiplatelet agents in ACS.”	Dallas, TX
2016	Grand Rounds, Texas Health Resources: “Update in Acute Coronary Syndromes”	Dallas, TX
2016	Department Conference, UT Southwestern: Predicting Cardiovascular Risk Among Apparently Healthy Adults: Can we Build a Better Mousetrap	Dallas, TX
2017	Grand Rounds, Methodist Hospital, “Antiplatelet therapy after ACS and PCI: How long and how strong?”	Dallas, TX
2018	UTW Update in Internal Medicine: “High sensitivity troponin testing for rapid rule out of MI”	Dallas TX
2018	Texas Health Resources Sympoisum: “High sensitivity troponin testing: maximizing the gain and minimizing the pain”	Dallas TX

### **Technological and Other Scientific Innovations**

Co-inventor on a patent issued to the University of Maryland (US Patent Number: 15/309,754) entitled: “Methods for Assessing Differential Risk for Developing Heart Failure.”

### **Service to the Community**

Numerous community education/media contributions to educate regarding cardiovascular issues

## Bibliography

### Peer-Reviewed Publications

#### Original Research Articles

1.	<b>de Lemos JA</b> , Dryer G, Gerstmann DR, de Lemos RA. Oliguria in the premature baboon with hyaline membrane disease: a manifestation of multisystem immaturity. <i>J Perinatol</i> 1989;9:19-25. PMID:2651593.
2.	de Lemos RA, Roberts RJ, Coalson JJ, <b>de Lemos JA</b> , Null DM, Gerstmann DR. Toxic effects associated with the administration of deferoxamine in the premature baboon with hyaline membrane disease. <i>Am J Dis Child</i> 1990;144:915-9. PMID:2378340.
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4.	<b>de Lemos JA</b> , Antman EM, Giugliano RP, McCabe CH, Murphy SA, Gibson CM, Braunwald E, for the TIMI 14 Investigators. ST resolution and infarct related artery patency and flow after thrombolytic therapy. <i>Am J Cardiol</i> 2000; 85:299-304 PMID:11078296.
5.	<b>de Lemos JA</b> , Antman EM, Gibson CM, McCabe CH, Giugliano RP, Murphy SA, Coulter SA, Anderson K, Scherer J, Frey M, Van der Wieken R, Van de Werf F, MD, Braunwald E, for the TIMI 14 Investigators. Abciximab improves both epicardial flow and myocardial reperfusion in ST elevation myocardial infarction: observations from the TIMI 14 trial. <i>Circulation</i> 2000; 101:239-43 PMID:10645918.
6.	Morrow DA, Rifai N, Tanasijevic MJ, Wybenga DR, <b>de Lemos JA</b> , Antman EM. Clinical efficacy of three assays for cardiac troponin I and risk stratification in acute coronary syndromes: a Thrombolysis in Myocardial Infarction (TIMI) 11B substudy. <i>Clin Chem</i> 2000; 46:453-60. PMID:10759468.
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8.	<b>de Lemos JA</b> , Hennekens CH, Ridker PM. Plasma concentration of soluble Vascular Cell Adhesion Molecule-1 and subsequent cardiovascular risk. <i>J Am Coll Cardiol</i> 2000; 36:423-6. PMID:10933352.
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10.	Morrow DA, Antman EA, Charlesworth A, Cairns R, Murphy SA, <b>de Lemos JA</b> , Giugliano RP, McCabe C, Braunwald E. The TIMI Risk Score for ST elevation myocardial infarction: a convenient, bedside, clinical score for risk assessment at presentation: an InTIME II substudy. <i>Circulation</i> 2000 102:2031-7. PMID:11044416.
11.	Antman EM, Gibson CM, <b>de Lemos JA</b> , Giugliano RP, McCabe CH, Coussement P, Menown I, Mienaber CA, Rehders TC, Frey MJ, Van der Wieken R, Andresen D, Scherer J, Anderson K, Van de Werf F, Braunwald E, for the TIMI 14 Investigators. Combination reperfusion therapy with abciximab and reduced dose reteplase: results from TIMI 14. <i>Eur Heart J</i> 2000;21:1944-53. PMID:11071800.

12.	Morrow DA, Antman EM, Tanasijevic M, Rifai N, <b>de Lemos JA</b> , McCabe CH, Cannon CP, Braunwald E. Cardiac troponin I for stratification of early outcomes and the efficacy of enoxaparin in unstable angina: a TIMI 11B substudy. <i>J Am Coll Cardiol</i> 2000; 36:1812-7. PMID:11092649.
13.	<b>de Lemos JA</b> , Antman EM, Giugliano RP, Morrow DA, McCabe CH, Cutler SS, Charlesworth A, Schröder R, Braunwald E, for the InTIME-II Investigators. Comparison of a 60- vs 90-minute determination of ST-segment resolution after thrombolytic therapy for acute myocardial infarction. <i>Am J Cardiol</i> 2000; 86:1235-7. PMID:11090796.
14.	<b>de Lemos JA</b> , Gibson CM, Antman EM, Murphy SA, Schuhwerk, KC, Schweiger M, Coussement P, Van de Werf F, Braunwald E, for the TIMI 14 Investigators. Abciximab and Early Adjunctive Percutaneous Coronary Intervention are Associated With Improved ST-segment Resolution After Thrombolysis: observations from the TIMI 14 trial. <i>Am Heart J</i> 2001;141:592-8. PMID:11275925.
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#### Proceedings of Meetings

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