Alan Daugherty, Ph.D., D.Sc., F.A.H.A.

CURRICULUM VITAE
June 2020

PERSONAL

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ORCID: 0000-0003-2093-3775

Date of Birth: May 2, 1957 **Place of Birth:** Liverpool, UK
Nationality: Naturalized US Citizen, British

EDUCATION

Institution	Dates	Degree	Subject
Sunderland Polytechnic, UK	1975-1978	B.Sc. (Hons)	Pharmacology
University of Bath, UK	1978-1981	Ph.D.	Pharmacology
University of Bath, UK	2002	D.Sc.	Pharmacology

PROFESSIONAL POSITIONS

University of Kentucky, Lexington, KY

Associate Vice President for Research	2015 - present
Chair, Department of Physiology	2015 - present
Special Assistant to the Vice President for Research	2014 - 2015
Senior Associate Dean for Research, College of Medicine	2009 - present
Director, Saha Cardiovascular Research Center	2005 - present
Gill Foundation Endowed Chair in Preventive Cardiology	2003 - present
Associate Chair of Medicine for Physician Scientist Development	2001 - 2011
Professor of Medicine and Physiology	2001 - present
Member, Nutritional Sciences Program	1997 - present
Member, Toxicology Graduate Program	2002 - present
Director of Atherosclerosis Research, Gill Heart Institute	1997 - 2003
Associate Professor of Medicine	1997 - 2001
Associate Professor of Physiology	1997 - 2001

Washington University School of Medicine, St. Louis, MO

Member, Division of Biology and Biomedical Sciences	1997 - 1997
Assistant Professor of Biochemistry and Molecular Biophysics	1996 - 1997
Assistant Professor of Medicine	1994 - 1997
Established Investigator of the American Heart Association	1992 - 1997
Research Assistant Professor of Medicine	1986 - 1994
Research Instructor	1985 - 1986
Research Fellow	1982 - 1985

University of Bath, Bath, UK

British Heart Foundation Research Fellow	1981 - 1982

VISITING APPOINTMENTS

Zhejiang University, Hangzhou, China

Visiting Professor	2006 - present

TRAINING OF FELLOWS AND STUDENTS

Pregraduate Trainees:

1.	Laura E. Dyer:	7/87 - 6/88	Medical Student
2.	Robert L. McNamara	7/89 - 6/90	Medical Student
3.	Sandra Sendobry *	8/94 - 8/97	Pre-Med Student
4.	Paul Kakkanathu	8/95 - 3/97	Undergraduate
5.	Ranjith Shetty	8/95 - 9/97	Undergraduate
6.	Rachel Pase	1/96 - 9/97	Undergraduate
7.	Andrea Johnson	8/95 - 1/97	Undergraduate
8.	Rhonda Garrett	7/97 - 8/97	HHMI High School student scholar
9.	Mark Fanin	6/99 - 8/99	UK Medical Student
10.	Ankur Shah	6/99 - 8/99	U of Michigan undergraduate
11.	Liz Tussey	6/99 - 9/99	U of Chicago undergraduate
12.	Tami Caudill	9/02 - 7/06	UK undergraduate
13.	Ray Caudill	7/06 - present	UK undergraduate
14.	Talha Ijaz †	5/07 - 8/07	Center College undergraduate
15.	Talha Ijaz	5/08 - 7/08	Center College undergraduate
16.	Victoria Knight	7/09 - 6/10	U of Bath undergraduate
17.	Jacqueline Post	1/13 - 6/16	UK undergraduate
18.	Bradley Wright	8/16- present	UK undergraduate
19.	Reza Katanbaf	10/16-3/17	UK undergraduate

* Indicates recipient of 2014 NIH Presidential Early Career Award for Scientists and Engineers
† Indicates a recipient of an NIH National Research Service Award- F30

Graduate Trainees

1.	Linda A. Meeh (Scherrer)	7/89 - 6/92	Graduate student (supervised jointly with Dr. J.J.H. Ackerman)
2.	Michael Manning *†	1/00 - 8/02	Graduate student (Physiology)
3.	Jing Huang *	10/01 - 7/05	Graduate student (Toxicology)
4.	Phillip Owens *† ¶	8/04 - 1/09	Graduate student (Toxicology)
5.	Mingming Zhao	2/08 - 8/09	Graduate student (Nutritional Sciences)
6.	Congqing Wu *	6/09 - 7/14	Graduate student (Nutritional Sciences)
7.	Kyung Sik Jung	7/11 - 11/13	Graduate student (Toxicology)
8.	Jing Liu	7/12 - 7/16	Graduate student (Nutritional Sciences)
9.	Frank Davis #%	8/13 - 8/14	U of Michigan Medical student - Sarnoff fellowship
10.	Zheying Chen	7/16 – 7/20	M.D./Ph.D. student
11.	Chia-Hua Wu	7/17-present	Graduate student (Nutritional Sciences)
11.	Shayan Mohammadmoradi	7/17-present	Graduate student (Nutritional Sciences)
12	Samuel Tyagi	7/9 - present	Graduate student (Physiology)

* Indicates recipients of American Heart Association Pre-doctoral Fellowships
† Indicates recipients of ATVB Young Investigator Travel awards
¶ Indicates recipient of 2012 Brinkhous Early Career Award from ATVB.
# Indicates recipient of 2015 Association for Academic Surgery Student Research Award
% Indicates recipient of 2015 Moses Gunn University of Michigan Student Surgery Award

Visiting Graduate Trainees

1.	Ninetta Kosswig	6/00 - 8/03	Visiting graduate student (University of Bonn, Germany)
2.	Chiara Barisione	1/05 - 1/06	Visiting graduate student (Genova University School of Medicine, Italy)
3.	Xiaojie Xie	7/06 - 9/07	Visiting graduate student (Zhejiang University, Hangzhou, China)
4.	Shaoping Wang	1/08 - 5/09	Visiting graduate student (Zhejiang University, Hangzhou, China)
5.	Yinchuan Xu	7/12 - 6/13	Visiting graduate student (Zhejiang University, Hangzhou, China)
6.	Feiming Ye	5/16 – 4/18	Visiting graduate student (Zhejiang University, Hangzhou, China)
7.	Ya Wang	10/17 – 5/19	Visiting graduate student (Zhejiang University, Hangzhou, China)

Postdoctoral Trainees:

1.	Dirk Baumann, M.D.	7/89 - 6/92	Surgery Research Fellow
2.	Joseph P. Hasapes, M.D.	7/89 - 6/93	Cardiology Research Fellow
3.	Simon E. Roselaar, M.D, Ph.D. *	7/93 - 6/97	Cardiology Research Fellow
4.	Stewart Whitman, Ph.D. *†	10/97 - 7/01	Research Fellow
5.	Victoria King, Ph.D. *†	5/99 - 7/03	Research Fellow
6.	Katsuya Tashiro, M.D., Ph.D.	5/01 - 6/02	Research Fellow
7.	Kiran Saraff, M.D.	7/01 - 6/03	Research Fellow
8.	Fjoralba Babamusta, M.D. †	8/02 - 5/05	Research Fellow
9.	Lu Hong, M.D., Ph.D. *†	3/03 - 6/08	Research Fellow
10.	Vishwesh Mokashi, Ph.D. *	8/04 - 4/08	Research Fellow
11.	Qingwei Zhao, M.D., Ph.D. †	9/04 - 7/06	Research Fellow
12.	Haruhito A. Uchida, M.D., Ph.D.	8/06 - 9/09	Research Fellow
13.	Venkateswaran Subramanian, Ph.D. *†	10/06 - 6/10	Research Fellow
14.	Xiaofeng Chen, M.D. Ph.D. #	05/09 - 6/13	Research Fellow
15.	Aruna Poduri, Ph.D. *	07/09 - 09/13	Research Fellow
16.	Hisashi Sawada, M.D. Ph.D. †¶	11/15 - present	Research Fellow
17.	Satoko Ohno-Urabae, M.D., Ph.D.	4/19 – present	Research Fellow
18.	Masayoshi Kukida, M.D., Ph.D.	4/19 – present	Research Fellow

* Indicates recipients of American Heart Association Postdoctoral Fellowships
# Indicates recipient of National Marfan Foundation Fellowship
† Indicates recipients of ATVB Young Investigator Travel awards
¶ Indicates recipients of AHA Young Investigator awards

Sabbatical Visitors

1.	Suzanne Thorpe, Ph.D.	7/92 - 6/93	Research Professor, University of South Carolina.
2.	Wenqiang Chen, M.D.	4/08 - 4/09	Associate Professor, Shandong University

AWARDS AND HONORS

University of Bath Studentship	1978
British Heart Foundation Fellow	1981
NIH New Investigator	1986
AHA Established Investigator	1992
Chairman's Award for Excellence in Research, University of Kentucky	1999
College of Medicine Research Faculty Award, University of Kentucky	1999
The Honorable Order of the Kentucky Colonels	2003
University of Kentucky Research Professorship	2006 - 2007
Distinguished Service Award, Ohio Valley Affiliate, American Heart Association	2006
ATVB Distinguished Achievement Award	2008
American Heart Association Science Advocate of the Year	2009
Mentor of Women Award, ATVB Women's Leadership Committee	2010
ATVB Special Recognition Award - Vascular Biology	2011
Herbert Kayden Award, NYU	2014
Mentor Recognition Award, UK Center of Clinical and Translational Sciences	2017

EXTRACURRICULAR ACTIVITIES

American Heart Association - Missouri Affiliate

1993 - 1997	Member, Peer Review Committee
1995	Vice Chair, Peer Review Committee
1996 - 1997	Member, Research Committee
1996	Chair, Peer-Review Committee
1996	Vice Chair, Research Committee
1997	Chair, Research Committee
1997	Board of Directors

American Heart Association - Heartland Affiliate

1997	Member, Research Task Force

American Heart Association - Southern and Ohio Valley Research Consortium

1999 - 2004	Member, Peer Review Committee 2
2002 - 2004	Chair, Peer Review Committee 2B
2003 - 2006	Member, Consortium Peer Review Steering Committee
2006 - 2007	Chair, Consortium Peer Review Steering Committee

American Heart Association - Ohio Valley Affiliate

2000 - 2004	Member, Research Committee, Ohio Valley Affiliate
2003 - 2007	Board of Directors

American Heart Association - Great Rivers Affiliate

2006 - 2007	Member, Research Program Task Force
2016 - present	Chair, Research and Science Engagement Committee

American Heart Association - National Center

Scientific Councils

2000 - 2002	At-Large Member, Arteriosclerosis Advisory Section, ATVB Council
2001 - 2010	Member, Awards and Nominating Committee, ATVB Council
2003 - present	Member, Leadership Committee, ATVB Council
2003 - 2005	Liaison, Leadership Committee, Council for NPAM
2004 - 2006	Vice Chair, ATVB Council
2006 - 2008	Chair, ATVB Council
2008 - 2010	Chair, ATVB Council Nominating Committee
2008 - 2010	Immediate Past Chair, ATVB Council
2013 - 2014	Chair, ATVB Council Nominating Committee

Research

1993	Member, Peer Review Committee, Great Plains Affiliates
1994 - 1997	Member, Peer Review Committee, Affiliate Study Section A (Vascular Biology)
1995	Co-Chair, Peer Review Committee, Affiliate Study Section A (Vascular Biology)
1996 - 1997	Chair, Peer Review Committee, Affiliate Study Section A (Vascular Biology)
2000 - 2005	Member, Lipoproteins and Lipid Metabolism National Study Group
2003 - 2007	Member, Research Committee
2003 - 2004	Co-Chair, Lipoproteins and Lipid Metabolism National Study Group
2004 - 2005	Chair, Lipoproteins and Lipid Metabolism National Study Group
2004 - 2005	Member, Task Force to Evaluate the Fellow to Faculty Grant
2005 - 2007	Member, Awards Sub-Committee of the Research Committee
2006 - 2007	Member, Research Strategic Planning Working Group
2006 - 2007	Member, Strategic Planning subgroup - high risk/high rewards research
2007	Member, Science Classification Task Force, Chair, Sub committee

2007- 2009	Vice Chair, Region I Research Consortium Steering Committee
2008 - 2009	Member, Innovative Research Peer Review Committee
2008 - 2009	Member, Strategic Peer Review Planning Committee
2009	Member, Ad Hoc Reviewer working group
2009	Chair, Region I Research Consortium Steering Committee
2009 - 2012	Member, Unified Peer Review Steering Committee
2009 - 2013	Member, Unified Peer Review Committee
2013	Member, AHA CME Peer Review Training Program Taskforce
2015	Chair, Study section for American Heart Association Cardiovascular Genome-Phenome Study (CVGPS) HDL Discovery Grant
2015-2017	Member, Cardiovascular Genome-Phenome Study (CVGPS) Standing Review Panel
2017-present	Chair, Oversight Advisory Committee for Strategically Focused Research Awards

Conferences

1992 -1994	Abstract Grading Consultant for Scientific Sessions
1996	Abstract Grading Consultant for Scientific Sessions
2002	Member, Conference Planning Committee, ATVB Council
2003 - 2006	Member, National Committee on Scientific Sessions Program
2003 - 2003	Vice-Chair, Fall Program Committee, ATVB Council
2003 - 2006	Chair, Fall Program Committee, ATVB Council
2003 - present	Abstract Grading Consultant for Scientific Sessions
2005 - present	Member, ATVB Spring Meeting Program Committee
2008 - 2009	Chair, Spring Program Committee, ATVB Council
2014	Member, Scientific Meeting Initiative's Working Group

Other Committees and Appointments

2002 - 2004	Chair, Irvine H. Page Young Investigator Award Committee
2003 - 2007	Member, Awards and Lectures Subcommittee of the Scientific Councils
2005 - 2007	Chair, Awards and Lectures Subcommittee of the Scientific Councils
2005 - 2006	Advocacy Ambassador, ATVB Council
2006 - 2010	Member, Council Operations Committee
2006 - 2008	Member, Science Advisory and Coordinating Committee
2006 - present	Member, National Spokepersons Panel
2007	Member, Science Classification Task Force. Chair, Sub committee
2007- 2008	Member, Membership Benefits Task Force
2011- 2013	Chair, COC Task Force on Proposed Science Subcommittees
2013- 2015	Chair, Committee on Science Operations
2015	Member, Planning Committee for AHA Data Summit
2018 - 2020	Member, Strategic Value Proposition Committee

Publishing

2010 - 2011	Member, Editor Search Committee, ATVB
2012 - 2014	Member, Emerging Science Series Committee

American Diabetes Association

2006	Member, Macrovascular/Lipid content subcommittee of ADA scientific sessions
2007 - present	Abstract grader

American Society for Investigative Pathology

2008 - present	Ambassador to University of Kentucky

International Atherosclerosis Society

2006 - 2007	Member, Program committee for XV International Symposium, 2009 Boston
2008 - present	Member, International Advisory Board

2008	Abstract Grader, ISA2009
2009 - 2011	Liaison to the ATVB Council
2011	Abstract Grader, ISA2012

Society of Vascular Surgeons

2008 - 2010	Member, Conference Planning Committee

International College of Angiology

2009 - 2010	Member, Conference Planning Committee for 52nd Annual Congress

International Society on Thrombosis and Haemostasis

2011	Abstract grader for XXII Congress
2012	Abstract grader for XXIV Congress

Sarnoff Cardiovascular Research Foundation

2016 - present	Member, Scientific Committee
2017 - 2018	Mentor – Amit Jhaveri, Medical School - University of Buffalo; Research Experience - Dr. Joseph Loscalzo, Harvard
2017	Member, Nominating Committee
2018-2019	Mentor – Jessica Zhang, Medical School – Cleveland Clinic Lerner College of Medicine of Case Western Reserve University. Research Experience – Dr. Christopher Glass, UCSD
2018 - 2020	Member, Scholar Award Application Task Force
2019 –2020	Mentor – Abra Chen Medical School – Harvard Research Experience – Dr. Michael Longaker, Stanford
2020 – present	Mentor – Carmel Assa, University of Wisconsin Research Experience – Dr. Mark Feinmark, Harvard
2020-2021	Vice Chair, Scientific Committee
2021-2022	Chair, Scientific Committee
2022-2023	Immediate Past Chair, Scientific Committee

GenTAC Registry

2018 – present	Member, GenTAC Alliance's Basic/Translational Science Working Group

Grant Reviewer (NIH)	NIH Pathology A Study Section (ad hoc) NIH Clinical Aging Study Section NHLBI Study Section SCORs in Atherosclerosis and Molecular Medicine (1996, 2001) NHLBI Study Section SCCORs in Vascular Injury, Repair, and Remodeling (2005) NHLBI Reviewer for Program Project Grants NIDCR Reviewer for Program Project Grants NHLBI Conference Grant Study Section (Chair, 2007) NIH Challenge Grants NIH Atherosclerosis and Inflammatory Cardiovascular Disease Study section (ad hoc) NIH Special Emphasis Panel ZRG1 VH-2 2010 NIH Atherosclerosis and Inflammation of the Cardiovascular System Study Section, Charter member - 2010 - 2014 NIH Intra IRG Ranking Pilot Study - 2015 NIH SEP ZRG2 VH-J (02) - Chair - 2016 NHLBI Loan Payment Program Study Section - 2017 - present NHLBI Mentored Patient Orientated Research. 2017 NHLBI Mentored Patient-Oriented Research Review Committee. 2017

NIH Single Site Investigator Trials ZHL1 CSR-G(F1) – 2018
NIH Special Emphasis Panel ZHL1 CSR-X – 2018
NHLBI LRP review panel - 2018
NIH Special Emphasis Panel ZRG1 VH-C – 2019
NHLBI LRP review panel – 2019
NHLBI Special Emphasis Panel ZHL1 CSR-R – 2019
NHLBI Mentored Patient Orientated Research – MPOR - 2019
NIH SPE ZRG1 VH-J – 2019
NIH Special Emphasis Panel ZRG1 VH-D (02) M – 2019
NHLBI LRP review panel - 2020

Grant Reviewer (Others)

VA Merit Review
Department of Energy
Wellcome Trust, United Kingdom
Jeffress Memorial Trust, VA
Alzheimers Association
Swiss National Science Foundation
Kentucky Science and Engineering Foundation
Singapore Biomedical Research Council
Tobacco-Related Disease Research Program, California
Phillip Morris External Research Program
Danish Research Agency
Diabetes Research and Training Center, Vanderbilt University
Austrian Science Fund
French National Research Fund (Emergence BIO and TEC program)
Natural Sciences and Engineering Research Council of Canada
Dutch Internationale Stichting Alzheimer Onderzoek
Netherlands Organization for Scientific Research
Luxembourg National Research Fund
Israel Science Foundation
Austrian Academy of Sciences
Medical Research Council, United Kingdom
Danish Council for Independent Research - Medical Sciences
Dutch Heart Foundation
University of Ottawa Heart Institute
National Center for Replacement, Refinement and Reduction of Animals in Research, United Kingdom
British Heart Foundation International Scientific Advisory Panel for Research Excellence Awards - 2018
British Heart Foundation-German Center for Cardiovascular Research (Deutsches Zentrum Fur Herz-Kreislauf-Forschung EV) Research Funding Partnership Grants – 2019
European Science Foundation – 2019
BHF-DZHK-DHF Research Funding Partnership Grants - 2020

External Advisor (Program Academic)

Columbia University SCOR in Atherosclerosis. 2001
University of California, Davis PPG. 2003
University of Texas Medical Center SCCOR. 2005 - 2011
University of Virginia PPG. 2005
Medical University of Vienna Faculty search. 2006
Southwestern Foundation for Biomedical Research PPG, San Antonio. 2006-2009
College of Reviewers for the Canadian Research Chairs Program. 2007 - present
University of Western Ontario Faculty Scholar Award. 2008
University of Washington PPG. 2008
University of Louisville COBRE in Obesity and Diabetes. 2008 - present

Columbia University PPG. 2010
German Center for Cardiovascular Research (DZHK). 2012 - present
Sanford-Burnham Medical Research Institute at Lake Nona. 2012 - 2015
National Heart Lung and Blood Institute Intramural Program. 2014
University of Wisconsin T32, 2014 - present
Harvard Medical School. Ad hoc Faculty evaluation committee. 2015
Center for Heart Lung Innovation, University of British Columbia and St. Paul's Hospital, Vancouver - 2015
Stanford University Vascular Diseases T32, 2018 - present
University of Cincinnati, R38, 2018 - present

External Advisor (Individual Academic)
Scott LeMaire, M.D. Department of Surgery, Baylor University, KO8, 2005 - 2009
Matthew Eagleton, M.D., Department of Surgery, Cleveland Clinic. KO8, 2007- 2010

Non Academic Consulting

Roche, Basel, Switzerland	1990
Searle, Chicago, IL	1999
Hoyle Consulting, Frederick, MD	2001
Mars, McLean, VA	2003
Pfizer, Groton, CT	2005
Novartis, Boston, MA	2005
Johnson and Johnson, Philadelphia, PA	2005
Johnson and Johnson, San Diego, CA	2005 - 2007
Coleman Research Group, New York, NY	2007
Boehringer Ingelheim, Danbury, CT	2007
LEK Consulting, Boston, MA	2007
Gerson Lehman Group, Austin, TX	2007 - 2009
Chimeros, Santa Barbara, CA	2008 - 2009
Amylin, San Diego, CA	2008 - 2010
Temper Pedic, Lexington, KY	2008
Eli Lilly, Indianapolis, IN	2008 - present
AstraZeneca, Gothenburg, Sweden	2009
Novartis, Boston	2009
Renavance	2012

Not available for industrial consulting during tenure as AHA Editor since 2012

Organizer/Chair
South East Lipid Conference, Callaway Gardens, GA, 2002
Atherosclerosis Gordon Conference, University of New England, ME, 2005
Arteriosclerosis, Thrombosis, and Vascular Biology, in conjunction with the Society for Vascular Surgery. Washington DC, 2009

Clinical Trials Steering Committees
AQUARIUS (**A**liskiren **Qu**antitative **A**therosclerosis **R**egression **I**ntravascular **U**ltrasound **S**tudy). Novartis/Cleveland Clinic. 2008 - 2012.

EDITORIAL RESPONSIBILITIES

Editor-in-Chief
Arteriosclerosis, Thrombosis, and Vascular Biology. 2012 - present

Senior Consulting Editor
Circulation Research. 2012 - 2018

Associate Editor
Circulation Research. 2009 - 2012
Frontiers in Cardiovascular Medicine. 2014 - present

Consulting Editor	Journal of Clinical Investigation. 2008 - present Arteriosclerosis, Thrombosis, and Vascular Biology. 2009 - 2012
Guest Editor	Circulation. 2008 - present
Editorial Boards	Arteriosclerosis, Thrombosis, and Vascular Biology. 2003 - 2012 Drug Discovery Today: Disease Models. 2003 - 2008 Current Cardiology Reviews. 2004 - present Open General and Internal Medicine Journal. 2007 - present Clinical Science. 2007 - present Journal of Cardiovascular Pharmacology. 2010 - present Frontiers in Cardiovascular Medicine. 2015-present
Guest Series Editor	*Coronary Artery Disease* for a "Review in Depth" entitled "Advances in the Cell Biology of Atherosclerosis"
Manuscript Reviewer:	Acta Physiologica Scandinavica American Journal of Cardiology American Journal of Pathology American Journal of Physiology Atherosclerosis Arteriosclerosis, Thrombosis, and Vascular Biology * Biochemistry Biochemistry Biophysical Acta Biotechniques Blood British Journal of Pharmacology Cardiology in the Elderly Cardiovascular Research Cardiovascular Pathology Circulation Research * Circulation Circulation: Cardiovascular Imaging Circulation: Cardiovascular Genetics Circulation: Cardiovascular Interventions Clinical Nephrology Clinical Science Contemporary Clinical Trials Coronary Artery Disease Current Pharmaceutical Design Current Immunological Reviews Diabetes eLife European Journal of Clinical Investigation Experimental and Molecular Pathology Expert Opinion on Therapeutic Targets Free Radical Biology and Medicine Gene Therapy Journal of the American Heart Association Journal of the American College of Cardiology Journal of Applied Physiology Journal of Biological Chemistry Journal of Biomedicine and Biotechnology Journal of Cardiovascular Translational Research Journal of Cardiovascular Pharmacology

Journal of Clinical Investigation *
Journal of Experimental Medicine
Journal of Gerontology Biological Sciences
Journal of Thrombosis and Haemostasis
Journal of Immunology
Journal of Investigative Medicine
Journal of Leukocyte Biology
Journal of Lipid Research
Journal of Molecular and Cellular Cardiology
Journal of Nutritional Biochemistry
Journal of Pharmacology and Experimental Therapeutics
Journal of Pathology
Journal of Visualized Experiments
Heart and Vessels
Hypertension
Laboratory Investigation
Lancet
Life Sciences
Lipids
Microscopy and Microanalysis
Molecular Imaging ad Biology
Molecular Medicine
Nature Communications
Nature Medicine
Nature Reviews Immunology
New England Journal of Medicine
NMR in Biomedicine
PLOS Medicine
Plos ONE
Proceedings of the Indian National Science Academy
Proceedings of the National Academy of Sciences
Transgenic Research
Trends in Cardiovascular Medicine
Thrombosis and Hemostasis
Science Signaling
Science Translational Medicine
Vascular Medicine
Vascular Pharmacology

COMMITTEE RESPONSIBILITIES

Ph.D. Thesis Examiner	Andrew Evans, University of Western Ontario, Canada 1995
	Ninnetta Kosswig, University of Bonn, Germany, 2003
	Antony Vinh, Monash University, Australia, 2008
	Lisa Shouning Ang, University of British Columbia, Canada, 2013
	Suzanne M. Eken, Karolinska Institute, Stockholm, Sweden - 2017
Other	Member, Council of the Gordon Research Conferences, 2005 - 2006

University of Kentucky

Member	Webmaster for Gill Heart Institute	1997 - 2005
	Development Committee of the Nutrition Program	2001
	Physiology Faculty Search committee	2000
	LCME Self Study Group	2002
	College of Medicine Task Force - Institutional Regulations	2002

	Director of Nutritional Sciences Search Committee	2003
	College of Pharmacy Faculty Search Committee	2003
	Institutional Animal Care and Use Committee	2003 - 2004
	Nutritional Sciences Faculty Search Committee	2003, 2005
	Dean's Research Advisory Affairs Group	2006 - 2008
	University Research Compensation Committee	2006
	Provost's Life Sciences Advisory Committee	2006
	Dean's Committee for Strategic Planning of Research Resources	2007- present
	Search Committee - Senior Associate Dean for Research for the College of Medicine	2008
	Ad hoc committee on animal use	2008 - 2010
	University Conflict of Interest Committee	2008 - present
	University Research Advisory Council	2009 - 2014
	University Research Management Group	2009 - present
	Kentucky Children's Hospital Strategic Planning Committee	
	Scientific Supplies Advisory Committee	2011 -2014
	Provost's Strategic Planning Committee, Work Group	2013 - 2014
	Search Committee, Associate Director of Corporate and Foundation Relations, Health Affairs	2014
	Search Committee, Director, Office of Sponsor Projects Administration	2015
	Search Committee, Associate Dean for Research, College of Engineering	2105
Chair	Department of Toxicology External Review Committee	2006 - 2007
	COM Research Affairs Advisory Group	2009 - present
	StudyManager REVEAL Steering Committee	2011 - 2014
	Steering Committee, Sponsored Research Integrated Business Unit	2014 - present
	University Conflict of Interest Committee	2019 - present
Thesis committees	Joshua M. Dziba, Department of Physiology	1998 - 2000
	Michael Manning, Department of Physiology	1999 - 2002
	Debin Lan, Nutritional Sciences	1999 - 2002
	Marcia Cole Ball, Nutritional Sciences	2000 - 2004
	Liqin Du, Nutritional Sciences	2000 - 2004
	Carine Boustany, Pharmaceutical Sciences	2001 - 2004
	Jing Huang, Toxicology	2001 - 2004
	Gudrun Reiterer, Nutritional Sciences	2002 - 2004
	Rangaraj Gopalraj, Physiology	2002 - 2008
	Kalyani Bharadwai, Pharmaceutical Sciences	2002 - 2006
	Stuart Rice, Pharmacology	2002 - 2003
	Dejan Nikolic, Pharmacology	2002 - 2005
	Tracy Henriques, Toxicology	2002 - 2004
	Meredith Bostrom. Nutritional Sciences	2003 - 2006
	Darshini Trevidi, Pharmaceutical Sciences	2003 - 2007
	Kristina Rutkute, Physiology	2003 - 2007
	Sara Police, Nutritional Sciences	2005 - 2008
	Jill Cholewa, Pharmacology	2006 - 2008
	Bin Liu, Toxicology	2006 - 2011
	Xuan Zhang, Toxicology	2006 - 2011
	Manisha Gupte, Nutritional Sciences	2006 - 2010
	Melissa Zack, Nutritional Science	2006 - 2008
	Rania Al Hawas, Clinical Sciences	2007 - 2012

	Fanmuyi Yang, Physiology	2008 - 2012
	Christopher Simmons, Physiology, MD/PhD	2009 - 2012
	Zachary Fulkerson, Physiology, MD/PhD	2009 - 2011
	Kelly Putnam, Nutritional Sciences	2009 - 2012
	Olive Zhang, Biomedical Engineering	2009 - 2012
	Abdelghaffar Salous, Physiology, MD/PhD	2009 - 2012
	Madhura Parulkar, Toxicology	2009 - 2014
	Hai-Lang Duong, Obstetrics and Gynecology	2010 - 2011
	Jenny Lutshumba, Physiology	2011 - 2017
	Paul Mueller, Physiology	2012 - 2016
	Yu Wang, Nutritional Sciences	2012 - 2016
	Yasir Alsirag, Molecular and Biochemical Pharmacology	2013 - 2018
	Peter Hecker, Department of Pharmacology	2016 - present
	Chai-Hua Wu, Nutritional Sciences	2017 - present
	Xufang Mu, Physiology	2017 – present
	Murong Ma, Nutritional Sciences	2018 – 2019
External Examiner	Gerome Burke, Pharmaceutical Sciences	2004
(UK)	Wangsun Choi, Biochemistry	2008
	Joseph McCorkle, Molecular Pharmacology	2010
	Matthew Parker, Molecular & Cellular Biochemistry	2014
Organizer	Gill Heart Institute Cardiovascular Research Day	1998 - present
Chair	Outstanding Scientist Award Committee	1998 - 2007
	Cardiovascular Seminar Series Committee	1998 - 2009
	Young Physician Scientist Award Committee	2000 - 2007

Washington University

Chair	Delivery System/Supply Chain Workgroup (Faculty Chair)
Member	Committee on Research Track Faculty Surgery Survival Committee Conventional Animal Space Committee Transgenic/Barrier Committee Rodent Committee
PhD Thesis Committee	Linda A. Scherrer, Department of Chemistry
Mentor	Young Scientist Program
Organizer	Cardiovascular Division Vascular Biology Seminar Series

University of Bath

Secretary, Pharmacological Society	1978 - 1979
Chair, Pharmacological Society	1979 - 1980
Recipient of the Whittet award for the most promising graduate student in the School of Pharmacy	1981
Resident Tutor; responsible for the welfare, safety, and discipline of students	1980 - 1982

Sunderland Polytechnic

Treasurer, Pharmacological Society	1976 - 1977
Chair, Pharmacological Society	1977 - 1978
Student Representative, Staff-student liaison committee	1976 - 1978

CURRENT MEMBERSHIP OF LEARNED SOCIETIES

American Association for the Advancement of Science
American Heart Association
American Physiological Society
American Society for Investigative Pathology
Arteriosclerosis, Thrombosis, and Vascular Biology Council of the American Heart Association
Association of Chairs of Departments of Physiology
Biochemical Society
British Pharmacological Society
British Society for Cardiovascular Research
International Atherosclerosis Society
North American Vascular Biology Organization

EXTERNAL INVITED SPEAKER ENGAGEMENTS (not including CME courses and Investigator meetings)

1. Department of Chemistry, University of South Carolina, Columbia, SC - 1985
2. Miles Workshop on Calcium Antagonists in Atherosclerosis, Philadelphia, PA - 1988
3. Wyeth-Ayerst, Princeton, NJ - 1988
4. Pfizer Central Research, Groton, CT - 1989
5. X International Symposium on Drugs Affecting Lipid Metabolism. Houston, TX - 1989
6. New York Lipid Club. Rockefeller University, New York - 1990
7. Sandoz Pharmaceuticals Corp., East Hanover, NJ - 1990
8. Hoffman La Roche, Basel, Switzerland - 1991
9. Hoffman La Roche, Nutley, NJ - 1991
10. Cardiovascular Division, University of California, Davis, CA - 1991
11. Genentech Inc., South San Francisco, CA - 1991
12. Syntex, Edinburgh, United Kingdom - 1992
13. Monsanto Atherosclerosis Symposium. St. Louis, MO - 1992
14. Parke-Davis, Ann Arbor, MI - 1993
15. Gladstone Cardiovascular Research Institute, San Francisco, CA - 1993
16. Department of Chemistry, University of South Carolina, Columbia - 1993
17. University of Bath, Bath, United Kingdom - 1993
18. Syntex, Palo Alto, CA - 1994
19. Cardiovascular Research, Rayne Institute, St. Thomas' Hospital. London, United Kingdom - 1994
20. Parke Davis, Ann Arbor, MI - 1995
21. Department of Nutrition, University of Missouri, Columbia, MO - 1995
22. 4th International Symposium. Hellenic Society of Lipidology. Athens, Greece - 1995
23. Atherosclerosis Gordon Conference, Meridan, NH - 1995
24. Roche Biosciences, Palo Alto, CA - 1995
25. Association for Lipid and Atherosclerosis Research in Michigan, Detroit, MI - 1995
26. Department of Biochemistry and Molecular Biology, University of North Texas Health Center at Fort Worth, Fort Worth, TX - 1996
27. Department of Medicine, University of Toronto, Toronto, Canada - 1996
28. AtheroGenics, Inc. Norcross, GA - 1996
29. Gunton Symposium on Cardiovascular Therapeutics; New Frontiers in Atherosclerosis Research. The Robarts Institute, London, Canada - 1996
30. Cardiovascular Disease Research, Searle, St. Louis, MO - 1996
31. Atherosclerosis Gordon Conference, Meridan, NH - 1997
32. Symposium of Inflammation and Atherosclerosis. Monsanto, St. Louis, MO - 1997
33. Zeneca PLC, Alderley Edge, United Kingdom - 1997
34. Glaxo Wellcome, Stevenage, United Kingdom - 1997
35. University of Arrhus, Denmark - 1998
36. Al Virtanen Institute, University of Kuopio, Finland - 1998
37. Dr. David Rubenstein Memorial Lecture, Canadian Lipoprotein Club, Canada - 1998
38. Wake Forest Medical School, Winston Salem, NC - 1998
39. Atherosclerosis Gordon Conference, Meridan, NH - 1999
40. Gunton Symposium on Cardiovascular Therapeutics. The Robarts Institute, London, Canada - 1999
41. Berlex Biosciences, Richmond, CA - 1999
42. Department of Pathology, University of South Carolina, SC - 1999
43. Frontiers 2000 Conference, American Association for Clinical Chemistry, St. Louis MO - 2000
44. Genetics and Atherosclerosis, Satellite Symposia of the XIIth International Symposium on Atherosclerosis, Aarhus, Denmark - 2000
45. Du Pont, Wilmington, DE - 2000
46. Genentech, South San Francisco, CA - 2000
47. Division of Cardiovascular Medicine, Vanderbilt University TN - 2000
48. Angiotensin II Gordon Conference, Ventura Beach, CA - 2001
49. New York Lipid and Vascular Biology Club, New York, NY - 2001
50. Department of Cell Biology and Anatomy, University of Nebraska Medical Center, 2001
51. Vascular Biology Working Group. Orlando, FL - 2001

52. American College of Cardiology 50th Scientific Sessions, Chair of " Meet the Experts" session on immune function in atherosclerosis", Orlando, FL - 2001
53. CIMIT Program. Mass. General Hospital, Boston MA - 2001
54. American Heart Association Scientific Sessions 2001 - Anaheim, CA - 2001
55. Division of Cardiovascular Medicine, University of Arkansas, Little Rock, AR - 2002
56. Angiotensin Gordon Conference, Il Cioccio, Italy - 2002
57. South East Lipid Conference, Pine Mountain, GA - 2002
58. Midwest Platelet and Vascular Biology Conference, St. Louis, MO - 2002
59. American Heart Association Scientific Sessions 2002 - Chicago - 2002
60. Cardiovascular Research Institute, University of Virginia, Charlottesville, VA - 2003
61. Millennium Pharmaceuticals, South San Francisco, CA - 2003
62. Center for Professional Development, Florida State University, Tallahassee, FL - 2003
63. Division of Endocrinology, Medical University of South Carolina, Charleston, SC - 2003
64. Lipid and Obesity Program, University of Cincinnati, OH - 2003
65. Indiana Center for Vascular Biology and Medicine Retreat, University of Indiana, IN - 2003
66. 4th Annual meeting of the Council of Arteriosclerosis, Thrombosis, and Vascular Biology, Washington DC - 2003
67. Berlex Biosciences, Richmond, CA - 2003
68. Atherosclerosis-Vessel Wall Inflammation Drug Discovery Team, Eli Lilly, Indianapolis, IN - 2003
69. National Institute on Aging, Baltimore, MD - 2003
70. Institute of Basic Medical Science, Tsukuba University, Tsukuba, Japan - 2003
71. Department of Pediatrics, Saga University, Saga, Japan - 2003
72. Molecular Aspects of the Metabolic Syndrome, Satellite meeting of the XIIIth International Symposium on Atherosclerosis. Tokyo, Japan - 2003
73. Vascular Biology and Hypertension, University of Alabama Birmingham, AL - 2003
74. Division of Biopharmaceutics, Leiden University, Holland - 2003
75. Department of Pathology, University Hospital and Maastricht, Holland - 2003
76. National Heart Lung and Blood Institute, Bethesda, MD - 2004
77. Department of Cell Biology, Lerner Research Institute, Cleveland, OH - 2004
78. XIIth International Vascular Biology Meeting, Toronto, Canada - 2004
79. Department of Medicine, Zhejiang University, Hangzhou, China - 2004
80. Institute of Molecular Medicine of Peking University, Beijing, China - 2004
81. AstraZeneca, Gothenburg, Sweden - 2004
82. Vascular biology and atherothrombosis course, Danish Cardiovascular Research Academy, Aarhus, Denmark - 2004
83. Medtronic Vascular Division, Santa Rosa, CA - 2004
84. Department of Physiology, Louisiana State University, Shreveport, LA - 2004
85. Cardiovascular Research Institute, Morehouse University, Atlanta, GA - 2005
86. Department of Cardiology, William Beaumont Hospital, Royal Oak, MI - 2005
87. Cardiology Grand Rounds, University of Louisville, KY - 2005
88. University of Alberta, Edmonton, CA - 2005
89. Division of Cardiovascular Medicine, University of Iowa, IA - 2005
90. Sankyo, Edison, NY - 2005
91. Division of Cardiovascular Medicine, New York University, NY, NY - 2005
92. Exelixis, South San Francisco, CA - 2005
93. Cardiovascular Research Center, University of Virginia, VA - 2005
94. European Meeting on Vascular Biology and Medicine, Hamburg, Germany - 2005
94. Davis Heart and Lung Institute, Ohio State University, Columbus, OH - 2005
95. Johnson and Johnson Symposium, San Diego, CA - 2005
96. Vascular Research Program, Emory University, GA - 2006
97. Department of Pharmacology, University of Pennsylvania, PA - 2006
98. Department of Vascular Biology and Thrombosis, GlaxoSmithKline, King of Prussia, PA - 2006
99. Vascular Disease Conference, Society of Vascular Surgery, Washington DC - 2006
100. New York Academy of Sciences, 10th anniversary symposium: The abdominal aortic aneurysms: Genetics, pathophysiology, and molecular biology. New York NY - 2006
101 Lipoprotein Gordon Conference. Mount Holyoke College, South Hadley, MA - 2006
102. Division of Cardiology, Genova University School of Medicine, Genova, Italy - 2006

103. Vascular 2006. The Australian and New Zealand Society of Vascular Surgery, Cairns, Australia - 2006
104. Cordis Corporation, Warren, NJ - 2007
105. Merck Research Laboratories, Rahway, NJ - 2007
106. Department of Biochemistry, St. Louis University, MO - 2007
107. Department of Cardiology, Cleveland Clinic, Cleveland, OH - 2007
108. Vascular Matrix Biology and Bioengineering Workshop, NAVBO, Whistler, Canada - 2007
109. Department of Pathology, University of Washington, Seattle, WE - 2007
110. Cardiovascular Research Institute, Shandong University, Jinan, China - 2007
111. Zhejiang University, Hangzhou, China - 2007
112. Department of Physiology, Jefferson University, PA - 2007.
113. 8th Cologne Conference on Growth Factors and Cardiovascular Disease 2007. Cologne, Germany - 2007.
114. Workshop on New Developments in the Renin:angiotensin system: the (Pro)Renin Receptor, Renin Inhibition and ACE2. High Blood Pressure Council of AHA. Tucson, AZ - 2007.
115. Cardiovascular Research Seminar and Cardiology Grand Rounds. Vanderbilt University, Nashville, TN - 2008.
116. Angiotensin Gordon Conference, Ventura Beach, CA - 2008
117. Symposium on New Targets in Atherosclerosis. New York Academy of Sciences, New York, NY - 2008
118. Arteriosclerosis, Thrombosis, and Vascular Biology Conference, Atlanta, GA - 2008
119. Scandinavian Society for Atherosclerosis. Copenhagen, Denmark - 2008.
120. Lipoprotein Gordon Conference, Waterville Valley, NH - 2008.
121. 2008 Stanford Abdominal Aortic Aneurysms summit: Strategies for Multidisciplinary Research. Stanford University, CA - 2008.
122. Renal Week, American Society of Nephrology, Philadelphia, PA - 2008.
123. Cardiovascular Signature Program Series, University of Southern Florida, FL - 2009.
124. Cardiovascular Division, King's College in London, United Kingdom - 2009.
125. Cardiovascular Research Center, Zhejiang University, Hangzhou, China - 2009
126. Novartis Symposium. Hangzhou, China - 2009
127. XV International Symposium on Atherosclerosis, Boston, MA - 2009.
128. Chinese Atherosclerosis Society, Huhehote, Inner Mongolia, China - 2009.
129. Molecular Cardiology Research Institute, Tufts University School of Medicine, MA - 2009.
130. National Summit of the National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions. Baltimore, MD - 2009
131. 20th Annual Vascular Biology and Hypertension Symposium, University of Alabama Birmingham, Birmingham, AB - 2009.
132. Diabetes and Obesity Discovery Institute, Medical College of Georgia, GA - 2009.
133. Providence Heart and Lung Institute, University of British Columbia, Vancouver, Canada - 2009.
134. Department of Pharmacology, Temple University, Philadelphia, PA - 2010.
135. Cleveland Clinic Symposium. American College of Cardiology, Atlanta, GA - 2010
136. Arteriosclerosis, Thrombosis, and Vascular Biology Conference, San Francisco, CA - 2010
137. Division of Nephrology, Okayama University, Japan - 2010
138. 6th International Conference on Biology, Chemistry and Therapeutic Applications of NO. Kyoto, Japan - 2010.
139. 53rd Annual Meeting of the Japanese Society of Nephrology. Kobe, Japan - 2010
140. Novartis, Tokyo, Japan - 2010
141. 2010 International Vascular Biology meeting. Los Angeles, CA - 2010
142. 8th International Symposium on Marfan's Syndrome. Warrenton, VA - 2010
143. 12th Biennial Meeting of the International Society for Applied Cardiovascular Biology. Cambridge, MA - 2010.
144. Department of Medicine Grand Rounds. University of Washington, WA - 2010
145. Division of Cardiology Grand Rounds. University of Washington, WA - 2010
146. McAllister Heart Institute. University of North Carolina, NC - 2010
147. Duke Cardiovascular Seminar Series. Duke University, Durham , NC - 2010
148. Center for Cardiovascular Research. Washington University. St. Louis, MO - 2011
149. Brigham Research Institute, Brigham and Women's Hospital, Boston, MA - 2011

150. System Biology and Connective Tissue Disorders Workshop. NIH, Bethesda, DC - 2011
151. Department of Cell Biology and Anatomy. University of South Carolina, SC - 2011
152 AaB Cardiovascular Research Institute, University of Rochester, NY - 2011
153. Department of Surgery, University of Wisconsin, Madison, WI - 2011
154. Oriental Congress of Cardiology, Shanghai, China - 2011
155. Department of Cardiology, Second Affiliated Hospital, Zhejiang University College of Medicine, Hangzhou, China - 2011.
156. Beijing Institute of Heart, Lung, and Blood Diseases, Beijing, China - 2011.
157. Department of Cardiology, Fuwai Hospital, Beijing, China - 2011.
158. Center for Cardiovascular and Pulmonary Research, National Children's Hospital, Columbus, OH - 2011.
158. Animal Models and their Value in Predicting Efficacy and Toxicity, New York Academy of Sciences. New York, NY - 2011.
159. Spanish Center for Cardiovascular Research, Madrid, Spain - 2011.
160. Cardiothoracic Surgery Research Lecture Series. Emory University, Atlanta, GA - 2011
161. 2011 B. Lowell Langille Vascular Biology Lectureship. Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Canada - 2011
162. Robarts Research Institute, University of Western Ontario, London, Canada - 2011
163. Abdominal Aortic Aneurysms: Epidemiology, Genetic, and Pathophysiology. Giesinger Clinic, Danville, PA - 2011.
164. Department of Pharmacology, University of Illinois in Chicago, Chicago, IL - 2011
165. Ruysch Lecture, Department of Medical Biochemistry, Amsterdam Academic Medical Center, Amsterdam, Holland - 2012.
166. Diabetes and Obesity Center, University of Louisville, Louisville. KY - 2012
167. AAA Basic Science Symposium. XVI International Symposium on Atherosclerosis (ISA2012), Sydney, Australia - 2012.
168. Davis Heart and Lung Institute, Ohio State University, Columbus, OH - 2012
169. Section of Molecular Medicine, University of Oklahoma Health Science Center, Oklahoma City, OK. - 2012
170. Vasculata Conference of the North American Vascular Biology Organization. Vanderbilt University. Nashville, TN - 2012.
171. GenTAC Thoracic Aortic Disease Summit. Chicago, IL - 2012.
172. The Aortic Institute. Yale University, New Haven , CT - 2012.
173. Cardiovascular Research Center, Rush University Hospital, Chicago, IL - 2012
174. W. Virgil Brown Keynote Lecture. South East Lipid Research Conference. Callaway Gardens, Pine Mountain, Georgia - 2012.
175. International Endotoxin and Innate Immunity Society Meeting 2012 and the 2nd Homeostatic Inflammation Symposium. Tokyo, Japan - 2012.
176. Department of Cardiovascular Medicine, University of Tokushima, Tokushima, Japan - 2012
177. Department of Medicine and Clinical Sciences, Okayama University, Japan - 2012
178. 2012 American Heart Association Scientific Sessions, Los Angeles, CA - 2012.
179. Keynote Lecture, Delaware Cardiovascular Research Center, University of Delaware, Newark-Wilmington, DE - 2012
180. Cardiovascular Research Center, University of Arkansas Medical School, Little Rock, AR - 2013
181. Department of Physiology, University of Tennessee Health Science Center, Memphis, TN - 2013
182. ISIS Pharmaceuticals, Carlsbad, CA - 2013
183. Molecular and Cellular Pathology Program. University of Alabama, Birmingham, AL - 2013
184. 2nd Wuhan International meeting on Metabolic Diseases. Wuhan, China - 2013
185. Stanford Cardiovascular Institute, Stanford, Palo Alto, CA - 2013
186. Sanford Burnham Medical Research Institute, Orlando, FL - 2013
187. Joint Meeting of the British Society of Toxicological Pathology and the Safety Pharmacology Society. Alderley Edge, United Kingdom - 2013
188. Division of Cardiovascular Medicine, University of Washington, Seattle, WA - 2013
189. Weldon School of Biomedical Engineering, Purdue University, West Lafayette, IN - 2014
190. Vascular Biology Center, Vanderbilt University, Nashville, TN - 2014
192. Angiotensin Gordon Conference, Il Cioccio, Italy - 2014
193. The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China - 2014

194. The 16th South China International Congress of Cardiology, Guangzhou, China - 2014
195. Frontiers of Biomedical Sciences Seminar, Institute of Vascular Medicine, Chinese University of Hong Kong, China - 2014
196. International Vascular Biology Conference 2014, Kyoto, Japan - 2014
197. Center for Vascular and Inflammatory Disease. University of Maryland, MD - 2014
198. Malcolm Feist Cardiovascular Seminar Series. Institute for Cardiovascular Diseases and Imaging, Louisiana State University - Shreveport, LA - 2014
199. Advances in Cardiovascular Risk Reduction Symposium, New York University School of Medicine, New York, NY - 2014
200. Libin Cardiovascular Institute of Alberta, University of Calgary, Calgary, Alberta - 2014
201. GenTAC Thoracic Aortic Disease Summit. Baltimore, MD - 2014.
202. Department of Biochemistry and Molecular Biology, Wayne State University, Detroit, MI - 2014
203. Canadian Society of Atherosclerosis, Thrombosis and Vascular Biology, Vancouver, Canada - 2014.
204. 2014 American Heart Association Scientific Sessions, Chicago, IL, CA - 2014
205. Chinese American Academy of Cardiology Symposium at the American Heart Association, Chicago, IL - 2014
206. Department of Physiology, Wayne State University, Detroit, MI - 2015
207. Graduate School of Biomedical Sciences, University of Texas at Houston, Houston, TX - 2015
208. Cardiovascular Research Center, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China - 2015
209. Northeast Cardiovascular Forum, Shenyang, China - 2015
210. Italian Society of Pharmacology, Messina, Italy - 2015
211. China Heart Congress 2015. Beijing, China - 2015
212. Brazilian Atherosclerosis Meeting, Campos do Jordao, Sao Paulo, Brazil - 2015
213. Molecular and Cellular Biology Graduate Program. Medical University of South Carolina, Charleston, SC - 2015
214. 38th Annual Scientific Meeting of the Japanese Society of Hypertension - Matsuyama, Japan - 2015
215. Heart, Lung, and Vascular Institute Seminar Series, University of Cincinnati, Cincinnati, OH - 2015
216. 10th Vasoactive Peptide Meeting, Lagoa dos Ingleses, Brazil - 2015
217. Association of Chairs of Departments of Physiology, St. Thomas Virgin Islands - 2015
218. Department of Pharmacology, Tulane University, New Orleans, LA - 2016
219. Japanese Circulation Society 2016. Sendai, Japan - 2016
220. Cardiovascular Research Day, Vanderbilt University, TN - 2016
221. Frontiers in Biomedical Research, North Dakota State University, Fargo, ND - 2016
222. Center for Interdisciplinary Cardiovascular Sciences, Brigham and Women's Hospital, Boston, MA - 2016
223. Knight Cardiovascular Institute, Oregon Health and Science University, OR - 2016
224. Cardiovascular Research Center, University of Michigan, MI - 2016
225. Department of Biomedical and Diagnostic Sciences, University of Tennessee College of Veterinary Medicine, Knoxville, TH - 2016
226. 19th International Vascular Biology Meeting, Boston, MA - 2016
227. University of North Carolina McAllister Heart Institute research symposium - Chapel Hill, NC 2017
228. Japanese Circulation Society 2017, Kanazawa, Japan - 2017
229. Houston Methodist DeBakey Heart & Vascular Center Grand Rounds, Houston, TX - 2017
230. Keynote Speaker, CAAC-ATVB Symposium China Night. Minneapolis, MN - 2017
231. Center for Molecular Medicine seminar series, Karolinska Institute - Stockholm, Sweden - 2017
232. 2017 ISTH Congress, International Society on Thrombosis and Hemostasis, Berlin, Germany - 2017
233. Qianjiang International Conference of Cardiology, Hangzhou, China - 2017
234. 10th Annual International Partnering Conference BioPharm American, Boston, MA – 2017
235. Great Wall International Cardiovascular Conference - Beijing, China - 2017
236. Department of Physiology and Pathophysiology, Peking University Health Science Center, Beijing – 2017
237. Cardiovascular Seminar Series, Corrigan Mineham Heart Center, Massachusetts General Hospital, Boston, MA – February 2018
238. Vascular Medicine Institute, University of Pittsburgh Medicine Center, Pittsburgh, PA – January 2018
239. Cardiovascular Center of Excellence, LSU Health Sciences Center – February 2018

240. Vascular Research Initiatives Conference, Society for Vascular Surgeons – San Francisco, CA – May 2018
241. XVIII International Symposium on Atherosclerosis, Toronto, Canada - June 2018
242. Ningxia International Cardiology Conference, Yinchuan, China – April 2018.
243. Eighth World Congress of Biomechanics, Dublin, Ireland - July 8 2018
244. China Heart Conference, Beijing, China – August 2018
245. Xiang Mountain Summit, Beijing, China – August 2018
246. 66th Annual Scientific Session of the Japanese College of Cardiology, Osaka, Japan - September 2018.
247. 62nd Annual Scientific Meeting of The Korean Society of Cardiology, Seoul, South Korea – October 2018
248. 5th Annual GenTAC Thoracic Disease Summit, Oregon Health and Science University, Portland, OR – October 2018
249. American Heart Association Scientific Sessions, Chicago – November 2018
250. Cardiovascular Sciences Training Program, University of Chicago, Chicago – January 2019
251. DGF Collaborative Research Center, Frankfort, Germany – February 2019
252. Thrombosis and Atherosclerosis Research Institute, McMaster University, Hamilton, Canada – March 2019
253. 9th Central Congress of Cardiology, Wuhan, China – April 2019
254. Cardiovascular Research Center, Shanghai University – April 2019
255. UCLA-Zhejiang University Joint Cardiovascular Science Conference – October 2019
256. Great Wall Conference, Beijing, China – October 2019
257. University of Western Ontario, London, Canada - November 2019
258. Cardiovascular Seminar Series, University of Texas Health Science Center at Houston – December 2019
259. Cardiology Grand Rounds. University of Missouri-Columbia, February 2020
260. Distinguished Keynote Lecture, Cardiovascular Research Institute, Baylor College of Medicine – April 2020 (deferred)
261. Symposium on Thrombo-inflammation, Mainz, Germany – July 2020 (deferred)

Future engagements

1. Japanese College of Angiology, Sendai, Japan – October 2020
2. Great Wall Conference, Beijing, China – October 2020
3. Heart and Vascular Institute, University of Pittsburgh Medical Center, Pittsburgh – November 2020

PUBLICATIONS

Listings

A. Original Research Manuscripts
B. Published Sequences
C. Pre-print server
D. Non Scientific Publications
E. Interviews
F. Books
G. Invited Chapters in Books
H. Invited Reviews and Editorials
I. ATVB Editor Articles

A. Original Research Manuscripts

1. Daugherty, A. (1981). Myocardial metabolism of calcium and cyclic nucleotides. Ph.D. thesis. University of Bath, England.

2. Daugherty, A. and B. Woodward. (1981). Calcium and calcium slow-channel antagonists on cyclic nucleotide levels in the isolated rat heart. *Journal of Molecular and Cellular Cardiology.* **13**: 843-854. (PMID 6271978)

3. Daugherty, A. and B. Woodward. (1985). Carbachol and cyclic GMP on the vulnerability to ventricular fibrillation is the rat isolated heart. *British Journal of Pharmacology.* **85**: 621-627. (PMID 2992667)

4. Daugherty, A., L.G. Lange, B.E. Sobel, and G. Schonfeld. (1985). Aortic accumulation and plasma clearance of beta-VLDL and HDL: Effects of diet-induced hypercholesterolemia in rabbits. *Journal of Lipid Research.* **26**: 955-963. (PMID 4045321)

5. Daugherty, A., S.R. Thorpe, L.G. Lange, B.E. Sobel, and G. Schonfeld. (1985). Loci of catabolism of beta-very low density lipoprotein *in vivo* delineated with a residualizing label: ^{125}I-dilactitol tyramine. *Journal of Biological Chemistry.* **260**: 14564-14570. (PMID 4055790)

6. Daugherty, A., K. N. Frayn, W. S. Redfern and B. Woodward. (1986). The role of catecholamines in the production of ischaemic-induced ventricular arrhythmias in the rat *in vivo* and *in vitro*. *British Journal of Pharmacology.* **87**: 265-277. (PMID 2869812)

7. Daugherty, A., G. Schonfeld, B.E. Sobel and L.G. Lange. (1986). Metabolism of very low density lipoproteins after cessation of cholesterol feeding in rabbits: A factor potentially contributing to the slow regression of atheromatous plaques. *Journal of Clinical Investigation.* **77**: 1108-1115. (PMID 3958182)

8. Fields, L., A. Daugherty and S.R. Bergmann. (1986). Effect of fatty acid on performance and lipid content of hearts from diabetic rabbits. *American Journal of Physiology.* **250**: H1079-H1085. (PMID 3521333)

9. Daugherty, A., D.L. Rateri, G. Schonfeld and B.E. Sobel. (1987). Inhibition of cholesteryl ester deposition in macrophages by calcium entry blockers. An effect dissociable from calcium entry blockade. *British Journal of Pharmacology.* **91**: 113-118. (PMID 3594069)

10. Tilton, R. G., P.A. Cole, J.D. Zions, A. Daugherty, K.B. Larson, S.P. Sutera, C. Kilo and J. R. Williamson. (1987). Increased ischemia-reperfusion injury to the heart associated with short term, diet-induced hypercholesterolemia in rabbits. *Circulation Research.* **60**: 551-559. (PMID 3594739)

11. Daugherty A., K., Oida, B.E. Sobel and G. Schonfeld. (1988). The dependence of metabolic and structural heterogeneity of cholesteryl ester-rich very low density lipoproteins on the duration of cholesterol feeding in rabbits. *Journal of Clinical Investigation.* **82**: 562-570. (PMID 3403717)

12. Cole, T. G., R. T. Kitchens, A. Daugherty and G. Schonfeld. (1988). An improved method of separation of triglyceride-rich lipoproteins by fast protein liquid chromatography. *Pharmacia Comminuque.* **4**: 4-7.

13. Daugherty, A., B.S. Zweifel, B.E. Sobel and G. Schonfeld. (1988). Isolation of low density lipoproteins from atherosclerotic vascular tissue of Watanabe Heritable Hyperlipidemic rabbits. *Arteriosclerosis*. **8**: 768-777. (PMID 3196220)

14. Tilton, R.G., A. Daugherty, S.P. Sutera, K.B. Larson, M.P. Land, D.L. Rateri, C. Kilo, and J. R. Williamson. (1989).Myocyte contracture, vascular resistance and vascular permeablilty aftergolbal ischemia in isolation hearts from allozan-induced diabetic rabbits *Diabetes.* **38:** 1484-1491. (PMID 2620782)

15. Daugherty, A., B. Zweifel, and G. Schonfeld. (1989). Probucol attenuates the development of atherosclerosis in cholesterol-fed rabbits. *British Journal of Pharmacology.* **98:** 612-618. (PMID 2819336)

16. Daugherty, A., N.N. Becker, L.A. Scherrer, B.E. Sobel, J.J.H. Ackerman, J.W. Baynes and S.R. Thorpe. (1990) Non-invasive detection of protein metabolism in *vivo* by n.m.r. spectroscopy. Application of a novel ^{19}F-residualizing label. *Biochemical Journal.* **264:** 829-835.

17. Parhoffer, K.G., A. Daugherty, M. Kinoshita, and G. Schonfeld. (1990). Enhanced clearance from plasma of low density lipoproteins containing a truncated apolipoprotein, apoB-90. *Journal of Lipid Research.* **31:** 2001-2007. (PMID 2086699)

18. Moerlein, S.M., A. Daugherty, B.E. Sobel, and M.J. Welch. (1991) Imaging with gallium-68 and indium-111 labeled low-density lipoprotein. *Journal of Nuclear Medicine.* **32:** 300-307. (PMID 1992034)

19. Daugherty, A., B.S. Zweifel, and G. Schonfeld. (1991) The effects of probucol on the progression o atherosclerosis in mature Watanabe heritable hyperlipidaemic rabbits. *British Journal of Pharmacology.* **103:** 1013-1018. (PMID 1878742)

20. Daugherty, A., and D.L. Rateri. (1991) Failure of the intracellular itinerary of beta-very low density lipoproteins to augment cholesterol esterification in macrophages from Watanabe heritable hyperlipidemic rabbits. *Journal of Biological Chemistry.* **266:** 17269-17275. (PMID 1894618)

21. Daugherty, A, and D.L. Rateri. (1991) Heterogeneity of very low density lipoproteins: Factors influencing the ability of specific subfractions to modulate cholesterol metabolism in macrophages *in vitro*. *Coronary Artery Disease.* **2:** 775-789.

22. Daugherty, A., M.R Kilbourn, C.S. Dence, B.E. Sobel, and S.R. Thorpe. (1992) Quantitative assessment of lipoprotein metabolism by positron emission tomography with an ^{18}F-containing residualizing label. *Nuclear Medicine and Biology.* **19:** 411-416 (PMID 1629030)

23. Ord, J.M., J.P. Hasapes, A. Daugherty, S.R. Bergmann, S.R. Thorpe, and B.E. Sobel. (1992) Imaging of thrombi with tissue-type plasminogen activator rendered enzymatically inactive and conjugated to a residualizing label. *Circulation.* **85:** 288-297. (PMID 1728459)

24. Daugherty, A. and D.L. Rateri. (1992) Kinetics of tissue metabolism of beta-very low density lipoproteins disparate rates of tissue accumulation during both normal and hypercholesterolemic states. *Life Science Advances - Biochemistry.* **10:** 167-171.

25. Hasapes, J.P., A. Daugherty, J.E. Saffitz, and B.E. Sobel. (1992) Determinants of the distribution of radiolabeled congeners of tissue-type plasminogen activator and its modificaton for improved clot imaging. *Coronary Artery Disease.* **3:** 641-649.

26. Mankowitz, K., R. Seip, A. Daugherty, C.F. Semenkovich, A. Daugherty, and G. Schonfeld. (1992) Short term interruption training affects both fasting and post-prandial lipoproteins. *Atherosclerosis.* **95:** 181-189. (PMID 1418092)

27. Meeh, L.A., J.J.H. Ackerman, S.R. Thorpe, and A. Daugherty. (1992) Quantification of the accumulation and degradation of beta-very low density lipoproteins *in vivo* using a ^{19}F-containing residualizing label and N.M.R. spectroscopy. *Biochemical Journal.* **286:** 785-792. (PMID 1417737)

28. Wickline, S.A., R.A. Shapard, and A. Daugherty. (1993) Quantitative ultrasonic characterization of lesion composition and remodeling in atherosclerotic rabbit aorta. *Arteriosclerosis and Thrombosis.* **13:** 1543-1550. (PMID 7691167)

29. Baumann, D.S., M. Doblas, G. Schonfeld, G.A. Sicard and A. Daugherty. (1994) Probucol reduces the cellularity of aortic intimal thickening at anastomotic regions adjacent to prosthetic grafts in cholesterol-fed rabbits. *Arteriosclerosis and Thrombosis.* **14:** 162-167. (PMID 8274472)

30. Baumann, D.S., M. Doblas, A. Daugherty, G. A. Sicard, and G. Schonfeld. (1994). The role of cholesterol accumulation in prosthetic vascular graft anastomotic intimal hyperplasia. *Journal of Vascular Surgery.* **19:** 435-445. (PMID 8126856)

31. Daugherty, A., J.L. Dunn, D.L. Rateri, and J.W. Heinecke. (1994). Myeloperoxidase, a catalyst for lipoprotein oxidation, is expressed in human atherosclerotic lesions *Journal of Clinical Investigation.* **94:**437-444. (PMID 8040285)

32. Daugherty, A., and D.L. Rateri. (1994). Presence of LDL receptor-related protein/alpha$_2$-macroglobulin receptors in macrophages of atherosclerotic lesions from cholesterol-fed New Zealand and heterozygous Watanabe heritable hyperlipidemic rabbits. *Arteriosclerosis and Thrombosis.* **14:**2107-2024. (PMID 7526898)

33. Noda-Heiny, H., A. Daugherty, and B.E. Sobel. (1995). Augmented urokinase receptor expression in atheroma. *Arteriosclerosis, Thrombosis, and Vascular Biology.* **15:**37-43. (PMID 7749814)

34. Roselaar, S.E., G. Schonfeld, and A. Daugherty. (1995)Enhanced development of atherosclerosis in cholesterol-fed rabbits by suppression of cell-mediated immunity. *Journal of Clinical Investigation.* **96:**1389-1394. (PMID 7657813)

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	All	Since 2015
Citations	22,730	8799
h-index	76	50
I10 Index	229	175

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hypercholesterolemia and lipoprotein-cholesterol concentrations on angiotensin II-induced abdominal aortic aneurysms. *Fourteenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

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215. Sawadi, H., J.J. Moorleghen, D.L. Rateri, and A. Daugherty. (2016). Angiotensin II Infusion Does Not Influence the Distribution of Cardiac Neural Crest Derived Smooth Muscle Cells in the Ascending Aorta. *17th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

216. Lu, H., D.A. Howatt, A. Balakrishnan, J. Xiao, D. Strickland, C. Vander Kooi, A. Mullick, M. Graham, A.J. Danser, and A. Daugherty (2016). Megalin Inhibition Regulates Angiotensinogen and Angiotensin II in Mice. *Circulation.*

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224. Sawada, H., D.L. Rateri, B.C. Wright, J.J. Moorleghen, D.A Howatt, M.W. Majesky, and A. Daugherty. (2018). Smooth Muscle Origin-specific Effects of LRP1 Deletion on Angiotensin II-induced Ascending Aortic Aneurysm**.** *19th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

225. Mohammadmoradi, S., D.A. Howatt, J.J. Moorleghen, H. Lu, A. Daugherty. (2018). Lipopolysaccharide Fails to Augment Development of Angiotensin II-induced Abdominal Aortic Aneurysms in Mice. *19th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

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227. Zhao, S., Y. Li, J. Guo, H.S. Lu, X. Zheng, X. Chen, A. Daugherty, E. Liu, B. Xu, and R.L. Dalman. (2019). Myeloid Cell-specific Deficiency of Hif-1α or Vegf-a Attenuates Experimental Atherosclerosis. 20*th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

228. Xu, B., Y. Li, X. Zheng, X. Chen, S. Zhao, J. Guo, T. Shoji, M. Miyata, A. Daugherty, H.S. Lu, and R.L. Dalman. (2019). Myeloid Cell-derived Interferon Regulatory Factor 5 Promotes Experimental Abdominal Aortic Aneurysms. 20*th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

229. Xu, B., N. Fujimura, H. Deng, G. Li, Y. Li, X. Zheng, F. Shen, T. Shoji, J. Guo, S.i Zhao, X. Chen, M. Miyata, A. Daugherty, H.S. Lu, and R.L. Dalman. (2019). Alternative Macrophage Activation Limits Experimental Abdominal Aortic Aneurysms. 20*th Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

230. Ito, M., H Sawada, L. Guo, Q. Wang, D. Hao, A. Daugherty and X. Li. **(2020).** 3D ultrasound evaluation for acute thymus involution in septic mice. Shock Conference.

Shared Reagents

1. AT1a receptor floxed mice - Stock#016211 C57BL/6N-agtr1a<tmuky>/J. The Jackson Laboratory, Bar Harbor, ME. (2012)

2. Angiotensinogen floxed mouse - Stock #018388 B6;SJL-Agttm1.1Itl/J. The Jackson Laboratory, Bar Harbor, ME. (2013)

Educational Material

1. Daugherty, A. (1991). Lipid Research Labs - Daugherty Study. *Low-Down on Lipids.* A publication of Washington University School of Medicine.

2. Daugherty, A. (1992). Current concepts of atherosclerosis: An introduction. *Low-Down on Lipids*. A publication of Washington University School of Medicine.

3. Daugherty, A. (1992). Atherosclerotic lesions: Their appearance and development. *Low-Down on Lipids*. A publication of Washington University School of Medicine.

4. Daugherty, A. (1993). The detection of atherosclerosis. *Low-Down on Lipids*. A publication of Washington University School of Medicine.

Selected Media Citations - since 2008

1. Hypertension's shot in the arm. *Nature Biotechnology* 2008. 26, 1327-1329

2. The cholesterol-inflammation connection. *CNN* Oct 17, 2008. http://www.cnn.com/ 2008/HEALTH/ conditions/10/16/healthmag.cholesterol.inflammation/index.html

3. Are there any cheap drugs to lower your cholesterol. *About .com* http://cholesterol.about.com/ lw/Health-Medicine/ Drugs-and-treatments/ Are-There- Cheaper-Cholesterol-Medicines.htm

4. New blood pressure drug reduces clogs. *Newsmax.com*. http://www.newsmax.com/ health/blood_ pressure_drug_clogs/2008/02/15/72944.html

5. Cholesterol drugs may help in cardiac emergencies. Health.com. http://news.health.com/2009/05/01/cholesterol-drugs-may-help-cardiac-emergency/

6. Frightening risk of Marfan Syndrome, and potntial treatment, elucidated. www.sceince.mag. http://www.sciencemag.org/content/332/6027/297.full.pdf

7. Sheppard, M.B., and A. Daugherty. *Commentary on*: Risk of Aortic Dissection and Aortic Aneurysm in Patients Taking Oral Fluoroquinolone: JAMA Intern Med 10/5/15, L Chien-Chang, GL Meng-tse, C Yueh-Sheng, et al. Practice Update - Cardiology. October 2015

8. Daugherty A. August 2017. Defusing the ticking bomb of aortic aneurysms. Research Features http://researchfeatures.com/2017/08/21/defusing-aortic-aneurysm/

RESEARCH SUPPORT

Present Support

Principal Investigator

1. Principal Investigator - "Adventitial-medial interactions in thoracic aortic diseases". $2,890,490. 07/01/16 - 06/30/21.

2. Program Director. University of Kentucky- Baylor College of Medicine Aortopathy Center. American Heart Association Strategically Focused Network. $3,709,200. 4/1/18 – 3/30/22.

3. Co-Principal Investigator. (MPI Grant). Atherosclerosis Mechanisms: angiotensin II production and action. National Institutes of Health. $5/1/18 – 3/31/22. $1,990,396.

4. Principal Investigator - "Adventitial-medial interactions in thoracic aortic diseases - supplement". $382,500. 09/20/18 - 06/01/21.

5. Principal Investigator - "Adventitial-medial interactions in thoracic aortic diseases - supplement". $453,200. 05/30/18 - 06/01/211.

Co-Investigator

1. Co-Investigator (Principal Investigator - L.A. Cassis). Sex differences in angiotensin-induced vascular disease. National Institutes of Health. $2,289,346. 04/01/12 – 05/31/20.

2. Co-Investigator (Principal Investigator - L.A. Cassis). Center of Research in Obesity and Cardiovascular Diseases. National Institutes of Health. $21,958,488. 09/08/08 – 06/30/18

3. Co-Investigator (Principal Investigator – V. Subramanian). Calpains and abdominal aortic aneurysms. National Institutes of Health. $1,530,000 . 1 0 /10/17 – 06/31/21

4. Co-Investigator (Principal Investigator – J. Gensel). The role of lipid dysfunction in spinal cord pathophysiology. Craig H. Neilson Foundation. $598,115. 07/01/20 – 06/30/23

Sponsor

1. Sponsor (Principal Investigator – Jeff Chen) University of Kentucky CCTS TL1. National Institutes of Health. 09/01/17 – 10/31/18

2. Sponsor (Principal Investigator – Hisashi Sawada). The impact of muscle cell embryonic origin on TGF beta signaling during thoracic aortic aneurysms formation. American Hear Association 07/01/18 – 06/30/20. $122,960.

Past Support

Principal Investigator

1. Principal Investigator - “The role of calcium and cyclic nucleotides in the propensity to ventricular arrhythmias in various models utilizing the isolated rat heart”. British Heart Foundation. ^7,100. 1/1/1981 to 10/30/1982.

2. Principal Investigator - "Quantification of lipoprotein uptake into arterial vessel wall *in vivo*: Characterization of atherosclerosis". Biomedical Research Support Grant. $7,209. 6/1/1985 to 5/30/1986.

3. Principal Investigator - "Diabetes-induced changes in lipoprotein metabolism and their relevance to atherosclerosis". Washington University Diabetes Research and Training Center. $40,232. 12/1/1985 to 11/30/1987.

4. Principal Investigator - Mechanism of delivery of beta-very low density lipoproteins into arterial wall. National Institutes of Health New Investigator Award. $107,342. 6/1/86 to 5/30/89.

5. Principal Investigator - "Detection of LDL modification by arterial tissue *in vivo"*. American Heart Association Missouri Affiliate. $22,690. 6/1/86 to 5/30/87.

6. Principal Investigator - "The effects of amlodipine on the development of atherosclerosis" Pfizer Research Labs, Groton CT. $88,236. 7/1/90 to 6/30/91.

7. Principal Investigator - "Arterial lipoprotein receptor modulation in atherogenesis" Established Investigator of the American Heart Association. $265,000. 7/1/92 to 6/30/97

8. Principal Investigator - "Effects of isradipine on lipoprotein receptors that modulate cholesterol ester loading in macrophages. Sandoz Research Institute, East Hanover NJ. $7,500. 6/1/92 to 9/1/92.

9. Principal Investigator - "Scavenger receptor expression in atherogenesis". American Heart Association, Missouri Affiliate. $55,000. 7/1/92 to 6/30/94.

10. Principal Investigator - "Detection of scavenger receptors by *in situ* hybridization" American Heart Association Missouri Affiliate Summer Fellowship. $2,000. 6/1/93 to 8/1/93.

11. Principal Investigator - "Effect of superoxide dismutase mimics on the progression of atherosclerosis in heterozygous Watanabe heritable hyperlipidemic rabbits". Monsanto Company. St. Louis MO.$66,454. 1/1/94 to 12/31/94.

12. Principal Investigator - "Determination of the anti-atherosclerotic efficacy of inhibitors of 15-lipoxygenase - relation to anti-oxidant actions". Parke Davis. Ann Arbor MI. $69,450. 4/1/94 to 4/1/95.

13. Principal Investigator - "Myeloperoxidase: A putative mediator of oxidative changes in atherogenesis". American Heart Association, National Center. $132,000. 7/1/94 to 6/30/97.

14. Principal Investigator - "Antiatherogenic effects of novel antioxidant compounds in LDL receptor deficient mice". AtheroGenics, Atlanta GA. $33,600. 1/1/97 to 7/1/97.

15. Principal Investigator - "Effectiveness of COXII inhibitors on the development of atherosclerosis". G.D. Searle, St. Louis MO. $44,400. 1/1/97 to 7/1/97.

16. Principal Investigator - "Oxidized lipoproteins and immune responses". American Heart Association Missouri Affiliate Summer Fellowship. $2,000. 6/1/97 to 8/1/97.

17. Principal Investigator - "The effects of dietary antioxidants on the development of atherosclerosis" Monsanto, St. Louis. $64,619. 10/1/97 to 6/1/98.

18. Principal Investigator - "The role of COXII inhibition of the development of atherosclerosis in apoE -/- mice" $75,000. Monsanto, St. Louis. 5/1/99 - 5/1/00.

19. Principal Investigator - "Supplement for under represented minorities in postdoctoral training" National Institutes of Health. $123,766. 1/1/99 - 7/31/01.

20. Principal Investigator - "Scavenger receptor modulation of atherogenesis". RO1 HL55487. National Institutes of Health. $1,322,176. 7/1/96 to 6/30/02.

21. Principal Investigator.- "Effects of ZD4522 on the development of atherosclerosis and aneurysms". AstraZeneca. $105,000. 1/1/01 to 1/3/03.

22. Principal Investigator - "Effects of interleukin-12 on interferon–gamma induced atherogenesis". American Heart Association National Center. Grant in aid. $214,5000. 1/1/01 - 12/31/04.

23. Principal Investigator - "Mechanisms of sidestream cigarette smoke indued atherosclerosis" Philip Morris.
    - $960,561. 4/1/02 - 3/31/05.

24. Principal Investigator - "AngII promotes proinflammatory processes in atherogenesis". National Institutes of Health. $1,164,000. 10/1/00 to 6/31/05.

25. Principal Investigator - "Underrepresented minority supplement". National Institutes of Health.
    - $342,337. 07/01/03 - 03/31/07.

26. Principal Investigator - "Role of MMPs in AngII-induced abdominal aortic aneurysms". National Institutes of Health. $1,000,000. 4/1/02 - 3/31/07

27. Principal Investigator - In vivo evaluation of bioabsorbable polymer coated stents. Abbott Vascular. $190, 840. 9/1/06 - 12/31/07

28. Principal Investigator - "Effect of renin inhibition on the development of atherosclerosis". Novartis Research Institute. $160,424. 01/10/05 - 31/09/07

29. Principal Investigator - "Role of endothelial AT1a receptors on sidestream smoke induced atherosclerosis and vascular dysfunction." Philip Morris. $1,086,289. 9/1/05 - 8/31/08.

30. Principal Investigator - "Effects of 11β-hydroxylsteroid dehydrogenase inhibition on atherosclerosis in
    - rabbits. Merck. $144,190. 05/01/08 - 04/30/10.

31. Principal Investigator. Determine the effect of anti-inflammatory agents on the development of AngII-induced AAAs. Johnson and Johnson.

32. Principal Investigator - "Determine the efficiacy of renin inhibition on regression of hypercholesteroemia-induced atherosclerosis. Novaratis Institutes for Biomedical Research. $232,701. 07/01/08 - 06/30/11.

33. Principal Investigator - "Determine the relative efficacy of different modes of inhibiting the renin-angiotensin system (RAS) on hypercholesterolemia-induced atherosclerosis." Novaratis Institutes for Biomedical Research. $232,701. 07/01/08 - 06/30/11.

34. Project Director - Mechanisms of abdominal aneurysm formation". Program Project Grant, National Institutes of Health. $8,437,804. 04/01/06 - 03/31/12 (YR 06 no cost extension).

35. Principal Investigator - "Sources and effects of angiotensin peptides in atherosclerosis". National Institutes of Health. $1,837,500. 07/30/08 - 08/31/13.

36. Principal Investigator - "Mechanisms of thoracic aortic aneurysms". National Institutes of Health. $2,172,669. 04/01/12 - 03/31/18.

Sponsor

1. Fellowship sponsor for Dr. Stewart Whitman - "Interferon-g deficiency on atherosclerotic lesions in apoE-/- and LDL-R-/- mice". Heart and Stroke Foundation of Canada. $57,000. 6/1/97 to 7/30/99.

2. Fellowship sponsor for Dr. Stewart Whitman - Absence of interferon-gamma increases atherogenesis. American Heart Association, Ohio Affiliate. $60,000. 7/1/99 - 6/30/01.

3. Pre-doctoral Fellowship Sponsor - (M.W. Manning) The role of angiotensin II in matrix metalloproteinase production and the formation of abdominal aortic aneurysms. American Heart Association, Ohio Valley Affiliate. $34,000. 7/1/01 - 6/30/03.

4. Post-doctoral Fellowship Sponsor - (V.L. King) The role of IL-4 in the development of atherosclerosis. American Heart Association, Ohio Valley Affiliate. $76,000. 8/1/01 - 7/31/03.

5. Fellowship Sponsor - (K Saraff) "AngII induced AAAs occur via stimulation of aortic cell uPA activity that promotes leukocyte infiltration in a U-PA receptor dependent manner. Vascular Biology Working Group. $25,000. 10/1/03 - 9/30/04.

6. Pre-doctoral Fellowship Sponsor - (J. Huang) "AngII upregulates macrophage MMP-2 activity to facilitate entry of this cell type into arterial tissue". American Heart Association Ohio Affiliate. $38,000. 7/1/03 - 6/31/05.

7. Post-doctoral Fellowship Sponsor - (H. Lu) "Renin-dependent angiotensin peptide generation in macrophages and its contribution to the hypercholesterolemia induced atherosclerosis. American Heart Association Ohio Valley Affiliate. $84,000. 07/01/04 - 06/30/06.

8. Post-doctoral Fellowship Sponsor - (V. Mokashi) "Low density lipoprotein receptor-related protein initiates angiotensin II-induced abdominal aneurysms. American Heart Association Ohio Valley Affiliate. $84,000. 07/01/06 - 06/30/08.

9. Pre-doctoral Fellowship Sponsor (A.P. Owens). "MyD88 deficiency attenuates angiotensin II-induced atherosclerosis and abdominal aortic aneurysms". American Heart Association Ohio Valley Affiliate. $40,000. 07/01/06 - 06/30/08.

10. Post-doctoral Fellowship Sponsor (V. Subramanian) "Role of peroxisome proliferator activated receptor gamma in angiotensin II induced abdominal aortic aneurysms. American Heart Association Great Rivers Affilate. $88,000. 07/01/08 - 06/30/10.

11. Post-doctoral Fellowship Sponsor (A. Poduri) "Role of cell specific AT1a receptor activation in AngII-induiced SMC hyperplasia and hypertrophy in ascening aorta. American Heart Association Great Rivers Affilate. $88,000. 07/01/10 - 06/30/12.

12. Post-doctoral; Fellowship Sponsor (X. Chen). "Role of TGF-β1 in AngII-induced ascending aortic aneurysms. National Marfan Foundation. $150,000. 07/04/11 - 06/30/13.

13. Pre-doctoral; Fellowship Sponsor (C. Wu). "Effect of angiotensinogen oxidation on the development of atherosclerosis. American Heart Association Great Rivers Affiliate. $50,000. 07/01/12 - 06/30/14.

Co-Investigator

1. Co-Investigator - "Molecular Biology and Immunology Core". National Institutes of Health Specialized Center for Research in Coronary and Vascular Diseases. $741,886. 1/1/90 to 12/31/95.

2. Co-Investigator - "Alterations of membrane-mediated signaling in diabetes". PO1 HL57278. National Institutes of Health. $5,317,030. 7/1/96 to 6/30/01. (Principal Investigator, R.W. Gross).

3. Co-Investigator (Principal Investigator - S. Post). "Scavenger receptor and G protein function in macrophages" National Institutes of Health. $625,000. 7/1/00 - 6/30/03

4. Co-Investigator - (Principal Investigator - E.J. Smart) "SR-B1 and macrophage cholesterol metabolism" National Institutes of Health. $1,141,760. 8/1/99 - 7/31/03.

5. Co-Investigator (Principal Investigator - R. Asmis) "Glutathione and atherosclerosis" National Institutes of Health. $800,000. 7/1/02 - 6/31/06

6. Co-Investigator (Principal Investigator - D. van der Westhuyzen) "Class B Scavenger receptors and foam cell formation" National Institutes of Health. $875,000 7/1/00 - 6/30/05.

7. Co-Investigator (Principal Investigator - F.C. de Beer) “SAA and sPLA2 role in atherogenesis” National Institutes of Health. $1,206,830. 1/1/02 - 12/31/06

8. Co-Investigator (Principal Investigator - N. R. Webb) "sPLA2 and atherosclerosis" National Institutes of Health. $1,250,000. 4/1/03 - 3/31/08

9. Co-Investigator (Principal Investigator - J. Ebersole) Center for the Biological Basis of Oral/Systemic Diseases - COBRE. National Institutes of Health. 9/23/04 - 7/31/09.

10. Co-Investigator (Principal Investigator - B. Hennig) “Superfund chemical, nutrition, and endothelial cell dysfunction” National Institutes of Health. $11,000,000. 04/01/06 - 03/31/010.

11. Co-Investigator (Principal Investigator - L. Tannock) Angiotensin induced proteoglycans in atherosclerosis”. National Institutes of Health. $1,250,000. 2/1/07 - 1/30/12.

12. Co-Investigator (Principal Investigator - J. Golledge, James Cook University, Australia). “Osteoprotegrin and osteopontin in aortic aneurysm”. National Institutes of Health. 6/1/05 - 5/31/09.

13. Co-Investigator (Principal Investigator - C. C. Hedrick, University of Virginia). “Sphingolipids and cardiovascular disease in type I diabetes. National Institutes of Health. 9/30/04 - 8/31/08.

14. Co-Investigator (Principal Investigator - L. A. Cassis) “Angiotensin: a link between obesity and hypertension”. National Institutes of Health, $1,876,446. 4/1/03 - 3/31/013.

15. Co-Investigator (Principal Investigator - D. Bruemmer). Role of nuclear receptor Nor-1 in atherosclerosis and vascular injury. National Institutes of Health. $1,250,000. 4/1/06 - 3/31/11 (YR 06 no cost extension).

16. Co-Investigator (Principal Investigator - L. Cassis). Obesity and cardiovascular disease - COBRE. National Institutes of Health. $10,006,089. 10/1/08 - 9/30/13.

17. Co-Investigator (Principal Investigator - X-A Li) Role of SR-B1 in LPS detoxification. National Institutes of Health. $1,250,000. 8/6/08 - 5/31/13.

18. Co-Director (Director - David Randall) T32 Interdisciplinary Cardiovascular Training Program. National Institutes of Health. $1,226,976. 7/1/09 - 6/30/14

19. Co-Investigator (Principal Investigator - Harold Stills) Establishing a Bioexclusion Barrier in the Combs Cancer Research Building. National Institutes of Health. $484,000. 04/01/15 - 03/31/16

20. Co-Investigator (Principal Investigator - L.A. Cassis). Angiotensin – a link between obesity and hypertension. National Institutes of Health. $3,018,870. 06/03/03 – 04/30/18.

21. Co-Investigator (Principal Investigator - L.A. Cassis). Center of Research in Obesity and Cardiovascular Diseases. National Institutes of Health. $21,958,488. 09/08/08 – 06/30/18

Patents

Title:	Treatment using AGT (angiotensinogen) ASO (antisense oligonucleotide)
Filed Date:	5/5/2020
EFS ID:	39358359
Confirmation Number:	4483
Application Serial No:	63/020,324
Attorney Docket Number:	13177N/2486US
Inventors:	Alan Daugherty, Hong Lu, Mary Sheppard, Jeff Chen
Description:	Use of AGT ASO to treat thoracic aortic aneurysms in patients

Title:	Treatment for aortopathy targeting GSDMD (Gasdermin D)
Filed Date:	6/25/2020
EFS ID:	39793502
Confirmation Number:	3534
Application Serial No:	63/042,427
Attorney Docket Number:	13177N/2475US
Inventors:	Congqing Wu, Hong S. Lu, Alan Daugherty, Zhenyu Li
Description:	Inhibition of GSDMD to treat aortic aneurysms and dissections in patients