

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

CURRICULUM VITAE
May, 2009

PERSONAL

Office: University of Kentucky
Cardiovascular Research Center
BBSRB, room B-243
Lexington KY 40536-0509

Telephone: (859) 323-4933 x 81389
Fax: (859) 257-3646
Cell: (859) 967-9563
E-Mail: Alan.Daugherty@uky.edu

Web site: <http://www.mc.uky.edu/cvrc/faculty/daugherty-alan/>

Date of Birth: May 2, 1957
Nationality: British
Marital Status: Married

Place of Birth: Liverpool, England
Immigration Status: Permanent Resident

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

Senior Associate Dean of Research, College of Medicine	2009 - present
Director, Cardiovascular Research Center	2005 - present
Gill Foundation Endowed Chair in Preventive Cardiology	2003 - present
Associate Chair of Medicine for Physician Scientist Development	2001 - present
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
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VISITING APPOINTMENTS

Zhejiang University, Hangzhou, China

Visiting Professor	2006 - present
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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

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.	Ninetta Kosswig	6/00 - 8/03	Visiting graduate student (University of Bonn)
4.	Jing Huang	10/01 - 7/05	Graduate student (Toxicology)
5.	Phillip Owens	8/04 - 1/09	Graduate student (Toxicology)
6.	Chiara Barisione	1/05 - 1/06	Visiting graduate student (Genova University School of Medicine)
7.	Xiaojie Xie	7/06 - 9/07	Visiting graduate student (Zhejiang University, Hangzhou)
8.	Shaoping Wang	1/08 - present	Visiting graduate student (Zhejiang University, Hangzhou)
9.	Mingming Zhao	2/08 - present	Graduate student (Nutritional Sciences)

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.	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.	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, Ph.D.	3/03 - 6/08	Research Fellow
10.	Vishwesh Mokashi, Ph.D.	8/04 - 4/08	Research Fellow
11.	Qingwei Zhao, Ph.D.	9/04 - 7/06	Research Fellow
12.	Hiruhito Uchida, M.D., Ph.D.	8/06 - present	Research Fellow
13.	Venkateswaran Subramanian, Ph.D.	10/06 - present	Research Fellow
14.	Xiaofeng Chen, M.D., Ph.D.	05/09 - present	Research Fellow
15.	Aruna Poduri, Ph.D.	07/09 - present	Research Fellow

Sabbatical Visitors

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

AWARDS AND HONORS

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| 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 |

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 | 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 - present | 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 |
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American Heart Association - National Center

Scientific Councils

- | | |
|----------------|--|
| 2000 - 2002 | At-Large Member, Arteriosclerosis Advisory Section, ATVB Council |
| 2001 - present | 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 - present Chair, ATVB Council Nominating Committee
2008 - present Immediate Past Chair, ATVB Council

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- present Vice Chair, Region I Research Consortium Steering Committee
2008 - present Member, Innovative Research Peer Review Committee
2008 - present Member, Strategic Peer Review Planning Committee
2009 - present Member, Ad Hoc Reviewer working group

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 - present Chair, Spring Program Committee, ATVB Council

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 - present 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

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 - present Member, Program committee for XV International Symposium, 2009 Boston
2008 - present Member, International Advisory Board
2008 Abstract Grader

Society of Vascular Surgeons

2008 - present	Member, Conference Planning Committee	
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)	
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)	
External Advisor (Program Academic)	Columbia University SCOR in Atherosclerosis. 2001 University of California, Davis PPG. 2003 University of Texas Medical Center SCCOR. 2005 - present University of Virginia PPG. 2005 Medical University of Vienna Faculty search. 2006 Southwestern Foundation for Biomedical Research PPG, San Antonio. 2006-present 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	
External Advisor (Individual Academic)	Scott Lamaire, M.D. Department of Surgery, Baylor University, KO8, 2005- present Matthew Eagleton, M.D., Department of Surgery, Cleveland Clinic. KO8, 2007-present	
Non Academic Consulting	Roche, Basel, Switzerland Searle, Chicago, IL Hoyle Consulting, Frederick, MD Mars, McLean, VA Pfizer, Groton, CT Novartis, Boston, MA Johnson and Johnson, Philadelphia, PA Johnson and Johnson, San Diego, CA Coleman Research Group, New York, NY Boehringer Ingelheim, Danbury, CT LEK Consulting, Boston, MA Gerson Lehman Group, Austin, TX Chimeros, Santa Barbara, CA	1990 1999 2001 2003 2005 2005 2005 2005 - 2007 2007 2007 2007 2007 - present 2008 - present

	Amylin, San Diego, CA	2008 - present
	Temper Pedic, Lexington, KY	2008
	Eli Lilly, Indianapolis, IN	2008 - present
	AstraZeneca, Gothenburg, Sweden	2009
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 Q uantitative A therosclerosis R egression Intravascular U ltrasound S tudy). Novartis/Cleveland Clinic. 2008 - present.	
Editorial Boards	Arteriosclerosis, Thrombosis, and Vascular Biology. 2003 - present Drug Discovery Today: Disease Models. 2003 - present Current Cardiology Reviews. 2004 - present Open General and Internal Medicine Journal. 2007 - present Clinical Science. 2007 - present Journal of Clinical Investigation. 2008 - present	
Consulting Editor	Journal of Clinical Investigation. 2008 - present	
Associate Editor	Circulation Research. 2009 - present Award co-ordinator for Circulation Research	
Guest Editor	Circulation. 2008 - present	
Guest Series Editor	<i>Coronary Artery Disease</i> 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 * (Top 5 reviewer for journal) Biochemistry Biochemistry Biophysical Acta Biotechniques Blood British Journal of Pharmacology Cardiology in the Elderly Cardiovascular Research Cardiovascular Pathology Circulation Research * Circulation Clinical Nephrology Clinical Science Coronary Artery Disease Current Pharmaceutical Design Current Immunological Reviews Diabetes European Journal of Clinical Investigation Expert Opinion on Therapeutic Targets Free Radical Biology and Medicine Gene Therapy Journal of the American College of Cardiology	

Journal of Applied Physiology
Journal of Biological Chemistry
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
Heart and Vessels
Hypertension
Laboratory Investigation
Lancet
Life Sciences
Lipids
Microscopy and Microanalysis
Molecular Medicine
Nature Medicine
Nature Reviews Immunology
New England Journal of Medicine
NMR in Biomedicine
PLOS Medicine
Proceedings of the Indian National Science Academy
Proceedings of the National Academy of Sciences
Transgenic Research
Trends in Cardiovascular Medicine
Thrombosis and Hemostasis
Vascular Medicine
Vascular Pharmacology

* denotes journals in which more than 5 reviews are usually performed per year.

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

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 - present

	University Research Compensation Committee	2006
	Provost's Life Sciences Advisory Committee	2006 - present
	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 - present
	University Conflict of Interest Committee	2008 - present
	University Research Advisory Council	2009 - present
Chair	Department of Toxicology External Review Committee	2006 - 2007
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 - present
	Xuan Zhang, Toxicology	2006 - present
	Manisha Gupte, Nutritional Sciences	2006 - present
	Melissa Zack, Nutritional Science	2006 - 2008
	Rania Al Hawas, Clinical Sciences	2007 - present
	Fanmuyi Yang, Physiology	2008 - present
	Christopher Simmons, Physiology, MD/PhD	2009 - present
	Zachary Fulkerson, Physiology, MD/PhD	2009 - present
	Kelly Putman, Nutritional Sciences	2009 - present
External Examiner	Gerome Burke, Pharmaceutical Sciences	2004
	Wangsun Choi, Biochemistry	2008
Organizer	Gill Heart Institute Cardiovascular Research Day	1998 - present
Chair	Outstanding Scientist Award Committee	1998 - 2007
	Cardiovascular Seminar Series Committee	1998 - present
	Young Physician Scientist Award Committee	2000 - 2007

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. AI 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.

Future engagements

1. Cardiovascular Research Center, Zhejiang University, Hangzhou, China - 2009
2. XV International Symposium on Atherosclerosis, Boston, MA - 2009.
3. Molecular Cardiology Research Institute, Tufts University School of Medicine, MA - 2009.
4. Chinese Atherosclerosis Society, Huhehote, Inner Mongolia, China - 2009.
5. National Summit of the National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions. Baltimore, MD - 2009

PUBLICATIONS

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 in 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: ¹²⁵I-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 Communiqué*. **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 permeability after global ischemia in isolation hearts from alloxan-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 ¹⁹F-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 of 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 ¹⁸F-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 modification 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 ¹⁹F-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. Doblaz, 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. Doblaz, 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/ α_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)
35. Shaish, A., A. Daugherty, F. O'Sullivan, G. Schonfeld, and J.W. Heinecke. (1995) Beta-carotene inhibits atherosclerosis in hypercholesterolemic rabbits. *Journal of Clinical Investigation*. **96**:2075-2082. (PMID 7560102)
36. Roselaar, S.E., P. Kakkanathu, and A. Daugherty. (1996) Lymphocyte populations in atherosclerotic lesions of apoE $-/-$ and LDL receptor $-/-$ mice. Decreasing density with disease progression. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **16**:1013-1018. (PMID 8696940)
37. Fagan, A.M., G. Bu., Y. Sun, A. Daugherty, and D.M. Holtzman. (1996) Apolipoprotein E -containing high-density lipoprotein promotes neurite outgrowth and is a ligand for the low-density lipoprotein receptor-related protein. *Journal of Biological Chemistry*. **271**: 30121-30125. (PMID 8939961)
38. Cornicelli, J.A., K. Welch, B.J. Auerbach, S.J. Feinmark, and A. Daugherty. (1996) Mouse peritoneal macrophages contain abundant w-6 lipoxygenase activity that is independent of interleukin-4. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **16**:1488-1494. (PMID 8977453)
39. Sendobry, S.M., J.A. Cornicelli, K. Welch, T. Bocan, B. Tait, B.K. Trivedi, N. Colbry, R.D. Dyer, S.J. Feinmark, and A. Daugherty. (1997) Attenuation of diet-induced atherosclerosis in rabbits with a highly selective 15-lipoxygenase inhibitor lacking significant antioxidant properties. *British Journal of Pharmacology*. **120**:1199-1206. (PMID 9105693)
40. Daugherty, A., E. Puré, D. Delfel-Butteiger, S. Chen, J. Lefterovich, S. E. Roselaar, and D.J. Rader. (1997) the effect of total lymphocyte deficiency on the extent of atherosclerosis in apolipoprotein E $^{-/-}$ mice. *Journal of Clinical Investigation*. **100**: 1575-1580. (PMID 9294126)
41. Daugherty, A., J.A. Cornicelli, K. Welch, S.M. Sendobry, and D.L. Rateri. (1997) Scavenger receptors are present on aortic endothelial cells *in vivo*. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **17**: 2369-2375 (PMID 9409203)

42. Roselaar, S.E., and A. Daugherty. (1997) Lipopolysaccharide decreases scavenger receptor mRNA abundance *in vivo*. *Journal of Interferon and Cytokine Research*. **17**: 573-579. (PMID 9335436)
43. Bocan, M.A., W.S. Rosebury, S.B. Mueller, S. Kuchera, K. Welch, A. Daugherty, and J.A. Cornicelli. (1998) A specific 15-lipoxygenase inhibitor limits the progression and monocyte-macrophage enrichment of hypercholesterolemia-induced atherosclerosis in the rabbit. *Atherosclerosis*. **136**: 203-216. (PMID 9543090)
44. Semenkovich, C.F., L. Coleman, and A. Daugherty. (1998) Effect of heterozygous lipoprotein lipase deficiency on diet-induced atherosclerosis in mice. *Journal of Lipid Research*. **39**: 1141-1151. (PMID 9643345)
45. Sendobry, S.M., J.A. Cornicelli, K. Welch, M.J. Grusby, and A. Daugherty. (1998) Absence of T lymphocyte-derived cytokines fails to diminish macrophage 12/15 lipoxygenase expression *in vivo*. *Journal of Immunology*. **161**:1477-1482. (PMID 9686614)
46. Roselaar, S.E. and A. Daugherty. (1998) Apolipoprotein E-deficient mice have impaired innate immune responses to *Listeria monocytogenes in vivo*. *Journal of Lipid Research*. **39**:1740-1743. (PMID 9741685)
47. Cassis L., and A. Daugherty. (1999) Chronic angiotensin II infusion promotes atherogenesis in LDL receptor *-/-* mice. *Annals of New York Academy of Sciences*. **892**:108-118. (PMID 10842656)
48. Cornicelli, J.A., D. Butteiger, D.L. Rateri, K. Welch, and A. Daugherty. (2000) Interleukin-4 augments acetylated LDL-induced cholesterol esterification in macrophages. *Journal of Lipid Research*. **41**:376-383 (PMID 10706585)
49. Whitman, S.C., A. Daugherty, and S.R. Post. (2000) Regulation of acetylated low density lipoprotein uptake in microphages by pertussis toxin-sensitive G-proteins. *Journal of Lipid Research*. **41**: 807-813. (PMID 10787441)
50. Daugherty, A., M. W. Manning, and L.A. Cassis. (2000) Angiotensin II promotes atherosclerotic lesions and aneurysms in apolipoprotein E deficient mice. *Journal of Clinical Investigation*. **105**:1605-1612. (PMID 10841519)
51. Daugherty, A., S.C. Whitman, A.E. Block, and D.L. Rateri. (2000) Polymorphism of class A scavenger receptors in C57BL/6 mice. *Journal of Lipid Research*. **41**: 1568-1577. (PMID 11013298)
52. Whitman, S.C., P. Ravisankar, Elam, H., and A. Daugherty. (2000) Exogenous interferon- γ enhances atherosclerosis in apolipoprotein E $^{-/-}$ mice. *American Journal of Pathology*. **157**: 1819 - 1824 (PMID 11106554)
53. Whitman, S.C., A. Daugherty, and S.R. Post. (2000) Macrophage colony-stimulating factor rapidly enhances b-migrating very low density lipoprotein metabolism in macrophages through activation of a G $_{i\alpha}$ protein signaling pathway. *Journal of Biological Chemistry*. **275**: 35807-35813. (PMID 10964909)
54. Gairola, C.G., M.L. Drawdy, A. Block, and A. Daugherty. (2001) Sidestream cigarette smoke accelerates atherosclerosis in apolipoprotein E $^{-/-}$ mice. *Atherosclerosis*. **156**: 49-56. (PMID 11368996)
55. Lee Y.W., H. Kuhn, B. Hennig, A. Daugherty, and M. Toborek. (2001) Interleukin 4 induces transcription of the 15-lipoxygenase 1 gene in human endothelial cells. *Journal of Lipid Research*. **42**: 783-791. (PMID 11352986)

56. Daugherty, A., N. Kosswig, J.A. Cornicelli, S.C. Whitman, S. Wolle, D.L. Rateri. (2001) Macrophage specific expression of class A scavenger receptors enhances granuloma formation in the absence of increased lipid deposition. *Journal of Lipid Research*. **42**: 1049-1055. (PMID 11441131)
57. Hansen, P.R., M. Chew, J. Zhou, A. Daugherty, N.H.H. Heegaard, P. Jensen, S. Mouritsen, and E. Falk. (2001) Freund's adjuvant alone is antiatherogenic in apoE-deficient mice and specific immunization against TNF- α confers no additional benefit. *Atherosclerosis*. **158**: 87-94. (PMID 11500178)
58. Daugherty, A, M.W. Manning, and L. A . Cassis. (2001) Antagonism of AT2 receptors augments angiotensin II-induced abdominal aortic aneurysms and atherosclerosis. *British Journal of Pharmacology*. **134**: 865-870 (PMID 11606327)
59. Whitman, S.C., P. Ravisankar, P., and A. Daugherty. (2002) Interleukin-18 enhances atherosclerosis in apolipoprotein E $-/-$ mice through release of interferon- γ *Circulation Research*. 10.1161/hh0202.105292. (PMID 11834721)
60. King, V.L., S.J. Szilvassy, and A. Daugherty. (2002) Interleukin-4 deficiency decreases atherosclerotic lesion formation in a site-specific manner in female LDL receptor $-/-$ mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **22**: 456-461. (PMID 11884290)
61. King, V.L., S.J. Szilvassy, and A. Daugherty. (2002) Interleukin- 4 deficiency promotes gall stone formation. *Journal of Lipid Reseach*. **43**: 768-771. (PMID 11971948)
62. Whitman, S.C., P. Ravisankar, H. Elam, A. Daugherty. (2002) Interferon- γ deficiency exerts gender specific effects on atherogenesis in apolipoprotein E $-/-$ mice. *Journal of Interferon and Cytokine Research*. **22**: 661-670. (PMID 12162876)
63. Hennig B., P. Meerarani, R. Slim, M. Toborek, A. Daugherty, A. Silverstone, and L.W. Robertson. (2002) Proinflammatory properties of coplanar PCBs: *in vitro* and *in vivo* evidence. *Toxicol. Sci*. **181**: 174-183. (PMID 12079426)
64. Whitman, S.C, D.L. Rateri, S.J. Szilvassy, J.A. Cornicelli, and A. Daugherty. (2002) Macrophage specific expression of class A scavenger receptors decreases atherosclerosis in LDL receptor $-/-$ mice. *Journal of Lipid Research*. **43**: 1201-1208 (PMID 12177164)
65. Webb, N.R., A. Daugherty, M.C. de Beer, M.S. Kindy, D. van der Westhuyzen, and F.C. de Beer. (2002) The scavenger receptor BI (SR-BI) mediates clearance of apoB-containing lipoproteins in apoE-deficient mice. *Journal of Lipid Research*. **43**: 1421-1428 (PMID 12235137)
66. Webb, N.R., M.A. Bostrom, S.J. Szilvassy, D.R. van der Westhuyzen, A. Daugherty, and F.C. de Beer. (2003) Macrophage-expressing Group IIA sPLA2 increases atherosclerotic lesion formation in LDL receptor-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **23**: 263-268 (PMID 12588769)
67. Manning, M.W., L.A. Cassis, and A. Daugherty. (2003) Differential effects of doxycycline, a broad spectrum inhibitor of matrix metalloproteinases, on angiotensin II-induced atherosclerosis and abdominal aortic aneurysm formation. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **23**: 468-474. (PMID 12615694)
68. Sundell, C.L, P.K. Somers, C.Q. Meng., L. K. Hoong, K-L. Suen, R.R. Hill, L.K. Landers, A. Chapman, L.K. Ollif, C. Phanhourath, C. Kunsch, A. Daugherty, U. Saxena, M.A. Wasserman, and R. M. Medford. (2003) AGI-1067: a multifunctional phenolic antioxidant, lipid modulator, anti-inflammatory and anti-atherosclerotic agent. *Journal of Pharmacology and Experimental Therapeutics*. **305**: 1116-1123. (PMID 12626663)

69. Chew, M., J. Zhou, A. Daugherty, T. Eriksson, S. Ellerman-Eriksen, P.R. Hansen, and E. Falk. (2003) Thalidomide inhibits early atherogenesis in apoE deficient mice. *APMIS: acta pathologica, microbiologica et immunologica Scandinavica* 2003; **111 (Suppl 109)**: 113-116. (PMID 12874961)
70. Urbas, A, M. W. Manning, A. Daugherty, L.A. Cassis, and R.A Lodder. (2003) Near-infrared spectrometry of abdominal aortic aneurysm in the apoE *-/-* mouse. *Analytical Chemistry*. **75**: 3318-3323 (PMID 14570222)
71. Saraff, K., F. Babamusta, L.A. Cassis, and A. Daugherty. (2003) Aortic dissection precedes formation of aneurysms and atherosclerosis in AngII-infused apoE deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **23**: 1621-1625 (PMID 12855482)
72. Kosswig, N., A. Daugherty, and S.R. Post. (2003) Class A scavenger receptor mediated adhesion and internalization require distinct cytoplasmic domains. *Journal of Biological Chemistry*. **278**: 34219-34225 (PMID 12819208)
73. Lyngdorf, L.G., S. Gregersen, A. Daugherty, and E. Falk. (2003) Paradoxical reduction of atherosclerosis in apoE-deficient mice with obesity-related type 2 diabetes. *Cardiovascular Research*. **59**: 854-862 (PMID 14553825)
74. Cassis, L.A., J. Huang, M.C. Gong, and A. Daugherty. (2004) Role of metabolism and receptor responsiveness in the attenuated responses to angiotensin II in mice compared to rats. *Regulatory Peptides*. **117**: 107-116. (PMID 14700746)
75. Whitman, S.C., D.L. Rateri, S.J. Szilvassy, W. Yokoyama, and A. Daugherty (2004) Depletion of natural killer cell function decreases atherosclerosis in LDL receptor *-/-* mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **24**: 1049-1054. (PMID 14988092)
76. Henriques, T.A., S.S. D'souza, P.P. DeLuca, A. Daugherty, and L. A. Cassis. (2004) Orchiectomy, but not ovariectomy, regulates angiotensin II-induced vascular diseases in apolipoprotein E deficient mice. *Endocrinology*. **145**: 3866-3672. (PMID 15105380)
77. Boustany, C., K. Bharadwaj . A. Daugherty, D. Brown, D. Randall, and L.A. Cassis. (2004) Activation of the systemic and adipose renin angiotensin system in rats with diet-induced obesity and hypertension. *American Journal of Physiology*. **287**: R943-949. (PMID 15191907)
78. Homeister, J.W., A. Daugherty, and J.B. Lowe. (2004) Deficiency of $\alpha(1,3)$ -fucosyltransferase VII limits atherosclerosis in apoE*-/-* mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **24**: 1897-1903 . (PMID 15308551)
79. Whitman, S.C., P. Veerarahavan, E. M. Kurowska, J. A. Manthey, A. Daugherty. (2004) Nobiletin, a citrus flavonoid isolated from tangerines, selectively inhibits class A scavenger receptor-mediated metabolism of acetylated LDL by mouse macrophages. *Atherosclerosis*. **178**: 25-32. (PMID 15585197)
80. Daugherty, A., D.L. Rateri, H. Lu, T. Inagami, and L.A. Cassis. (2004) Hypercholesterolemia stimulates angiotensin peptide synthesis contributes to atherosclerosis through activation the AT1a receptor. *Circulation*. **110**: 3849-3857 (PMID 15596561)
81. Cassis L.A., M.J. Helton, D. Howatt, V.L. King, and A. Daugherty. (2005) Aldosterone does not mediate angiotensin II-induced atherosclerosis and abdominal aortic aneurysms. *British Journal of Pharmacology*. **144**: 443-448. (PMID 15655500)
82. Hennig, B., G. Reiterer, M. Toborek, S.V., Matveev, A. Daugherty, E. Smart, and L.W. Robertson. (2005) Dietary fat interacts with PCBs to induce changes in lipid metabolism in LDL receptor deficient mice. *Environmental Health Perspectives*. **113**: 83-87. (PMID 15626652)
83. Gavrila, D, W.G, Li, M.L. McCormick, M. Thomas, A. Daugherty, L. A. Cassis, F.J. Miller, Jr, L.W.

- Oberley, K.C. Dellsperger, and N.L. Weintraub. Vitamin E inhibits abdominal aortic aneurysms formation in angiotensin II-infused, apolipoproteinE-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **46**: 1812-1822. (PMID 15933246)
84. Guo, Z., W. Su, S. Allen, H. Pang, A. Daugherty, E.J. Smart, and M.C. Gong. (2005) Cox-2 upregulation and vascular smooth muscle contractile hyperreactivity in spontaneous diabetic db/db mice. *Cardiovascular Research*. **67**: 723-735. (PMID 15885672)
85. Reiterer, G., R. McDonald, E.J. Smart, A. Daugherty, M. Toborek, and B. Henning. (2005) Zinc deficiency increases plasma lipids and atherosclerosis markers in LDL-R deficient mice. *Journal of Nutrition*. **135**: 2114-2118. (PMID 16140885)
86. Lutgens, E., S.P.M. Lutgents, B.C.G. Faber, S. Heeneman, M.M.J. Gijbels, M.P.J. de Winther, P. Frederiks, I. Van der Made, A. Daugherty, A.M., Sijbers, A. Fisher, C.J. Long, P. Saftig, D. Black, M.J. A.P. Daemen, and K.B.J.M. Cleutjens. (2005) Disruption of the cathespain K gene reduces atherosclerosis progression, induced plaque fibrosis, but accelerates macrophage foam cell formation. *Circulation*, **113**: 98-107. (PMID 16365196)
87. Babamusta, F., D. L. Rateri, J.J. Moorleghe, D. A. Howatt, X.A. Li., and A. Daugherty (2006) Angiotensin II induced site specific intra-laminar hemorrhage in macrophage colony stimulating factor deficient mice. *Atherosclerosis*. **186**: 282-290. (PMID 16153649)
88. Barisione, C, D.A. Howatt, J.J. Moorleghe, D.L. Rateri, and A. Daugherty. (2006) Rapid dilation of the abdominal aorta during infusion of angiotensin II detected noninvasively by high frequency ultrasound. *Journal of Vascular Surgery*. **44**: 372-376. (PMID 16890871)
89. Mauldin, J.P., A. Mulya, A. Gebre, J.S. Parks, A. Daugherty, and C.C. Hedrick. (2006) Reduction in ABCG1 in type 2 diabetic mice increases macrophage foam cell formation. *Journal of Biological Chemistry*. **281**: 21216-21224. (PMID 16723355)
90. Thomas, T., M.L. McCormick, D. Gavril, F.J. Miller, A. Daugherty, L.A. Cassis, K.C., Dellsperger, and N.L. Weintraub. (2006) Deletion of p47phox attenuates angiotensin II-induced aortic aneurysm formation in apolipoprotein E-deficient mice. *Circulation*. **114**: 404-413. (PMID 16864727)
91. Cassis, L.A., D.L. Rateri, H. Lu, and A. Daugherty. (2007). Angiotensin II induction of atherosclerosis and abdominal aortic aneurysms requires expression of AT1a receptors on non-bone marrow derived cells. *Arteriosclerosis Thrombosis and Vascular Biology*. **27**: 380-386. (PMID 17158350)
92. Lu, H., C. Boustany Kari, A. Daugherty, and L.A. Cassis. (2007). Angiotensin II increases adipose angiotensinogen expression. *American Journal of Physiology - Endocrinology and Metabolism*. **115**: E1280-1287 (PMID 17213477)
93. King, V.L., L.A. Cassis and A. Daugherty. (2007) Interleukin-4 does not influence development of hypercholesterolemia or angiotensin II-induced atherosclerotic lesions in apoE^{-/-} mice. *American Journal of Pathology*. **171**: 2040-2047. (PMID 18055554)
94. Shen, H., R. MacDonald, D. Bruemmer, A. Stromberg, A. Daugherty, X. Li, M. Toborek, and B. Hennig (2007) Zinc deficiency is detrimental to lipid metabolism in LDL-receptor-deficient mice treated with rosiglitazone. *Journal of Nutrition*. **137**: 2339-2345. (PMID 17951467)
95. Lu, H., D.L. Rateri, D.L. Feldman, E. R.J. Charnigo Jr, A. Fukamizu, J. Ishida, E.G. Oesterling, L. A. Cassis, and A. Daugherty. (2008) Renin Inhibition reduces hypercholesterolemia-induced atherosclerosis: the contribution of renin from bone marrow-derived cells. *Journal of Clinical Investigation*. **118**: 984-993. (PMID 18274671)

96. Henriques T, X. Zhang, F.B. Yiannikouris, A. Daugherty, and L.A. Cassis (2008) Androgen increases AT1a receptor expression in abdominal aortas to promote angiotensin II-induced abdominal aortic aneurysms in apolipoprotein E deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **28**: 1251-1256. (PMID 18451329)
97. Deevska, G., K. Rozenova, N., Giltiy, M. Chambers, J., White, B.B. Boyanovsky, J., Wei, A., Daugherty, E.J., Smart, M.B. Reid, A.H. Merrill Jr., and M. Nikolova-Karakashian (2008) Acid sphingomyelinase deficiency prevents diet-induced hepatic triacylglycerol accumulation and hyperglycemia in mice. *Journal of Biological Chemistry*. **284**: 8359 - 8368. (PMID 19074137)
98. Bolick, D.T., M.D. Skafien, S-C. Kwon, D.A. Howatt, A. Daugherty, Ravichandran, K.S. and C.C. Hedrick. (2008) G2A deficiency in mice promotes macrophage activation and atherosclerosis. *Circulation Research*. **104**: 318-327. (PMID 19106413).
99. King, V.L., A.Y. Lin, N. Ahluwalia, F. Kristo, D.A. Howatt, A.P. Owens, D. Shen, T.J.L. Anderson, A.M. Tagert, A.D. Luster, A. Daugherty, and R.E. Gerszten. (2009). Interferon- γ and the interferon-inducible chemokine, CXCL10, protect against aneurysm formation and rupture. *Circulation*. **119**: 426 - 435. (PMID 19139386)
100. Cassis, L.A., M. Gupte, S. Thayer, X. Zhang, R. Charnigo, D. A. Howatt, D. L. Rateri, and A. Daugherty. (2009) Angiotensin II infusion promotes abdominal aortic aneurysms independent of blood pressure in hypercholesterolemic mice. *American Journal of Physiology*. Epub. (PMID 19252100)
101. Daugherty, A., S.J. Szilvassy, I.F. Charo, D. Howatt, D.L. Rateri, and L.A. Cassis. Deficiency of CCR2 reduces angiotensin II-induced atherosclerosis and aneurysm formation in apolipoprotein E $-/-$ mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. *In revision*.
102. Police, S.B., A. Daugherty, and L.A. Cassis. Obesity promotes angiotensin II-induced abdominal aortic aneurysm formation. *Arteriosclerosis, Thrombosis, and Vascular Biology*. *In revision*.
103. Mendez, J.I., D. Weiss, D. Gupta, A. Daugherty, K.K. Griendling, and W.R. Taylor. Smooth muscle-specific catalase over expression decreases atherosclerosis in apoE deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*. *In revision*.
104. Owens, A.P III, V. Subramanian J.J. Moorleghe, C.A. McNamara, L.A. Cassis, and A. Daugherty Angiotensin II induces ascending aortic hyperplasia through inhibitor of differentiation 3. *Circulation Research*. *In revision*
105. Uchida, H.A., L.A. Cassis, and A. Daugherty. uPA deficiency in bone marrow-derived cells augments rupture of angiotensin II-induced abdominal aortic aneurysms *Arteriosclerosis, Thrombosis, and Vascular Biology*. *In revision*.
106. Rateri, D.L., D.A. Howatt, X.Xie., L.A. Cassis, and A. Daugherty. Prolonged infusion of angiotensin II promotes abdominal aortic aneurysm remodeling associated with adventitial macrophage recruitment. *American Journal of Pathology*. *In revision*.
107. Subramanian, V, J. Golledge and A. Daugherty. Regulation of PPAR γ by angiotensin II via TGF- β 1 activated p38 MAP kinase in aortic smooth muscle cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*. *In revision*.
108. Beckers, L., D. Lievens, E. Wijnands, U. Benbow, A. Daugherty, A. Newby, M.J.A.P. Daemen, and E. Lutgens. CD40L deficiency protects against aneurysm formation: a novel prevention strategy? *Submitted to Arteriosclerosis, Thrombosis, and Vascular Biology*.
109. Guo, L. Z. Song, Q. Wu, P. Bernard, A. Daugherty, E.J. Smart, and X-A Li. SR-B1 prevents septic death through its role in regulating corticosteroid production in adrenal glands and modulating inflammatory response in macrophages. *Submitted to Circulation Research*

110. Daugherty, A., D.L. Rateri, R. Charnigo, T. Inagami, and L. A. Cassis. (2009). PD123319 augments atherosclerosis and abdominal aortic aneurysm formation through AT2 receptor-independent mechanisms. *Submitted to Arteriosclerosis, Thrombosis, and Vascular Biology*.

Published Sequences

1. Rateri, D.L., S. C. Whitman, and Daugherty, A. (1999) Sequence of cDNA for class A scavenger receptor from C57BL/6 mouse strain. GeneBank. Accession number AF203781

Most Cited Manuscripts from Studies Performed Principally by Daugherty Laboratory (Based on ISI Web of Knowledge)

1. 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. (512 citations)**
2. Daugherty, A., M.W. Manning, and L.A. Cassis. (2000). Angiotensin II promotes atherosclerotic lesions and aneurysms in apolipoprotein E deficient mice. *Journal of Clinical Investigation*. **105:1605-1612. (263 citations)**
3. Daugherty, A., E. Puré, D. Delfel-Butteiger, S. Chen, J. Leferovich, S. E. Roselaar, and D.J. Rader. (1997). The effect of total lymphocyte deficiency on the extent of atherosclerosis in apolipoprotein E^{-/-} mice. *Journal of Clinical Investigation*. **100: 1575-1580. (136 citations)**
4. 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. (130 citations)**
5. Whitman, S.C., P. Ravisankar, Elam, H., and A. Daugherty. (2000). Exogenous interferon- γ enhances atherosclerosis in apolipoprotein E^{-/-} mice. *American Journal of Pathology*. **157: 1819 - 1824. (119 citations)**
6. 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. (111 citations)**

Books

1. Daugherty, A., L.M. Cusumano and W. Jack. (1987). *Therapeutic Advances in Hyperlipidemia and Atherosclerosis*. Medstrategy Inc., St. Louis.
2. Daugherty A., L.M. Cusumano and W. Jack. (1989). *Therapeutic Advances in Hyperlipidemia and Atherosclerosis. Update I*. Medstrategy Inc., St. Louis.
3. Daugherty A., P. Blank, and W. Jack. (1990). *Therapeutic Advances in Hyperlipidemia and Atherosclerosis. Update II*. Medstrategy Inc., St. Louis.
4. Daugherty, A. and J.W. Baynes - editors - (1991). *Radical Therapies - Roles of antioxidants in disease treatment*. Medstrategy Inc., St. Louis.
5. Daugherty, A. (1992). *Highlights of the XI International Symposium on Drugs Affecting Lipid Metabolism*. Medstrategy Inc., St. Louis.
6. Daugherty, A. and W. Jack. (1993). *Atherosclerosis: Etiology and Therapeutic Strategies*. Medstrategy Inc., St. Louis.

Invited Chapters in Books

1. Daugherty, A. (1990). Probuocol reduces lipid deposition *in vivo* in atherosclerotic lesions of rabbits with hypercholesterolemia of either genetic or dietary origin. *Xth International Symposium on Drugs Affecting Lipid Metabolism*. Elsevier Scientific Publishers B.V. Amsterdam.
2. Schonfeld, G, E.S. Krul, P. Talmud, A. Daugherty, and S.E. Humphries. (1990). Hypobetalipoproteinemia associated with truncated forms of apoB in a USA kindred. *Xth International Symposium on Drugs Affecting Lipid Metabolism*. Elsevier Scientific Publishers B.V. Amsterdam.
3. Daugherty, A. and J.W. Heinecke. (1995). Epidemiology and risk factors in atherosclerosis. Pg 81-90. *Vascular Surgery: Theory and Practice*. Ed. A. Callow and A. Ernst. Appleton and Lange. Stamford, CT.
4. Heinecke, J.W. and A. Daugherty. (1995). Pathobiology of atherosclerosis lesions. Pg 91 - 104. *Vascular Surgery: Theory and Practice*. Ed. A. Callow and A. Ernst. Appleton and Lange. Stamford, CT.
7. Daugherty, A. and G. K. Hansson. (2000). Lymphocytes and Atherosclerosis. Pg 230 - 249. In *Atherosclerosis: Gene Expression, Cell Interactions, and Oxidation*. Ed. R Dean and D. Kelly, Oxford University Press, Oxford, UK.
8. Henning, B. V. Saraswathi, A. Daugherty, and M. Toborek. (2002) Fatty acid-induced endothelial cell activation. Pg 37-40. *Atherosclerosis: Risk Factors, Diagnosis, and Treatment*. Ed G.M. Kostner. Medimond Inc, Bologna, Italy.
9. Daugherty, A. and S.C. Whitman. (2003). Use of the mouse for studying atherosclerosis. *The Transgenic Mouse: Methods and Protocols*. pg 293-309. Ed. M. Hofker and J. van Deursen. Humana Press, Totowa, New Jersey.
10. Daugherty, A. and D.L. Rateri (2006) Hyperlipidemia-induced atherosclerosis. *A Handbook of Mouse Models for Cardiovascular Diseases*. pg. 53-66. Ed Q. Xu, Wiley, London.
11. Wang, Y.X., Cassis, L.A. and Daugherty, A. (2006). Angiotensin II-induced abdominal aortic aneurysms. *A Handbook of Mouse Models for Cardiovascular Diseases*. pg 125-146. Ed Q. Xu, Wiley, London.

12. Lu, H., D.L. Rateri, and A. Daugherty. (2007). Immunostaining of mouse atherosclerotic lesions. *Vascular Biology Protocols. Methods of Molecular Medicine. Vol 139. Pg. 77-94.* Eds. Sreejayan and J. Ren. Human Press, Totowa, New Jersey.
13. Daugherty, A., H. Lu, D.A. Howatt, and D.L. Rateri. (2009). Modes of defining atherosclerosis in mouse models - relative merits and evolving standards. *Cardiovascular Genomics. Methods in Molecular Medicine.* Ed K. DePetrillo. Springer, New York, NY. In press.

Invited Reviews and Editorials

1. Daugherty, A. and G. Schonfeld. (1985). Roles of lipoproteins in the initiation and development of atherosclerosis. *Pharmacology and Therapeutics. 31:* 337-355. (PMID 3916392)
2. Daugherty, A. and D.L. Rateri. (1993) Pathogenesis of atherosclerotic lesions. *Cardiology in Review. 1:* 157-166.
3. Daugherty, A. (1993). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 4:* VI-20-VI-25.
4. Daugherty, A. (1994). Lipoprotein receptors in atherosclerotic lesions. Relation to the pathology of atherosclerosis. *Coronary Artery Disease. 5:* 211-215. (PMID 7515312)
5. Daugherty, A. (1994). Advances in Cell Biology of Atherosclerosis - Overview as Guest Editor. *Coronary Artery Disease. 5:* 185-188.
6. Daugherty, A. and S.E. Roselaar. (1995). Lipoprotein oxidation as a mediator of atherogenesis: Insights from pharmacological studies. *Cardiovascular Research. 29:* 297-311. (PMID 7781006)
7. Daugherty, A. (1995). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 6:* U106-U112. (PMID 7670743)
8. Daugherty, A. (1997). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 8:* (PMID 9127718)
9. Daugherty, A. (1997). Lymphocytes in atherosclerotic lesions - Bystanders of active participants. *Atherosclerosis Alert. 2:* 395-400.
10. Daugherty, A. (1998). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 9:*179-180. (PMID 9559279)
11. Daugherty, A. (1998). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 9:*613-615. (PMID 9559279)
12. Daugherty, A. (2000). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinion in Lipidology. 11:*335-337. (PMID 10882352)
13. Daugherty, A., S. C. Whitman, and D.L. Rateri (2000). Class A scavenger receptors. *Current Opinions Cardiovascular Pulmonary and Renal Investigative Drugs. 2:*223-232
14. Daugherty, A. (2001). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology. 12:*467-469 (PMID 11507333)
15. Daugherty, A. (2002) Models of vascular disease in knockout mice. *American Journal of Medical Sciences. 323:*3-10 (PMID 11814139)
16. Daugherty, A. and L.A. Cassis (2002) Mechanisms of arterial aneurysm formation. *Current*

- Atherosclerosis Reports*. **4**:222-227. (PMID 11931720)
17. Daugherty, A. and D.L. Rateri. (2002) T lymphocytes in atherosclerosis: The Yin-Yang of Th1 and Th2 influence on lesion formation. *Circulation Research*. **90**:1039-1040. (PMID 12039791)
 18. Manning, M.W., L.A. Cassis, J. Huang, S.J. Szilvassy, and A. Daugherty (2002) Aortic aneurysms: Fresh insights from a novel animal model. *Vascular Medicine*. **7**: 45-54. (PMID 12083734)
 19. Daugherty, A. (2002). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **13**: 453-455. (PMID 12151862)
 20. Daugherty, A., and L.A. Cassis. (2004) Mouse models of abdominal aortic aneurysms. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **24**: 429-434 (PMID 14739119)
 21. Daugherty, A. (2004) Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **15**: 93-95. (PMID 15166816)
 22. Daugherty, A., and L.A. Cassis. (2004) Angiotensin II mediated development of vascular diseases. *Trends in Cardiovascular Medicine*. **14**: 117-120. (PMID 15121160)
 23. Daugherty, A., D.L. Rateri, and V.L. King. (2004) IL-5 links adaptive and natural immunity against atherosclerotic disease. *J. Clinical Investigation*. **114**: 317-320. (PMID 15286796)
 24. Daugherty, A., and L.A. Cassis. Angiotensin II and aneurysms. (2004) *Current Hypertension Reports*. **6**: 442-446. (PMID 15527688)
 25. Daugherty, A. (2005) Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **16**: 257-259 (PMID 15767866)
 26. Greenland, P., A. Daugherty, D. Harrington, J. Bennett, H. Roberts, and K.A. Taubert. (2005) The use of nonsteroidal anti-inflammatory drugs (NSAIDs). A science advisory from the American Heart Association. *Circulation*. **111**: 1713-1716. (PMID 15781731)
 27. Daugherty, A. and D.L. Rateri. (2005) Development of experimental designs for atherosclerosis studies in mice. *Methods*. **36**: 129-138. (PMID 15893934)
 28. Daugherty, A. N.R. Webb, D.L. Rateri, and V.L. King (2005) Cytokine regulation of macrophage function in atherogenesis. *J. Lipid Res*. **46**: 1812-1822.
 29. Daugherty, A. and D.L. Rateri. (2006) Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **17**: 95-97. (PMID 17095917)
 30. Golledge, J., J. Muller, A. Daugherty, A. Van Rij, and P.E. Norman (2006). Abdominal aortic aneurysms: Pathogenesis and implications for medical management. *Arteriosclerosis, Thrombosis, and Vascular Biology*. **26**: 2605-2613. (PMID 16973970)
 31. Daugherty, A., D.L. Rateri, and L. A. Cassis. (2006) Role of the renin-angiotensin system in the development of abdominal aortic aneurysms in animals and humans. *Annals of the New York Academy of Sciences*. **1085**: 82-91 (PMID 17182925)
 32. Daugherty, A. and D.L. Rateri (2006) Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **17**: 705-707. (PMID 17095917)
 33. Antman, E.M., J.S. Bennett, A. Daugherty, C. Furberg, Harold Roberts, and K.A. Taubert. (2007) American Heart Association Science Advisory on the use of nonsteroidal anti-inflammatory drugs (NSAIDs) - an update for clinicians. *Circulation*. **115**: 1634-1642. (PMID 17325246)

34. Daugherty, A. and L.A. Cassis. (2007). Commentary on "Hackman et al, Angiotensin converting enzyme inhibitors and aortic rupture: a population-based case-control study. *Lancet* 2006:368;659-665. *Perspectives in Vascular Surgery and Endovascular Therapy*. **19**: 342-344. (PMID 17911572)
35. Lu, H, L.A. Cassis, and A. Daugherty. (2007). Arterial blood pressure and atherosclerosis in mice. *Current Drug Targets* **8**: 1181-1189. (PMID 18045096)
36. Lu, H., L.A. Cassis, and A. Daugherty (2008). Renin-angiotensin system in vascular aneurysms formation. *Current Hypertension Reports*. **10**: 99-106. (PMID 18474175)
37. Rader, D.J. and A. Daugherty (2008). Atherosclerosis. Translating new discoveries into novel therapies. *Nature*. **451**: 904-913. (PMID 18288179)
38. Daugherty, A. and D.L. Rateri. (2008). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. **19**: 328-329. (PMID 18460928)
39. Daugherty, A., D.L. Rateri, and H. Lu. (2008). As macrophages indulge, atherosclerotic lesions bulge (Editorial). *Circulation Research*. **102**: 1445-1447. (PMID 18566308)
40. Daugherty, A., H. Lu, D. L. Rateri, and L.A. Cassis. (2008). Augmentation of the renin angiotensin system by hypercholesterolemia promotes vascular diseases. *Future Medicine*. **3**: 625-636. (PMID pending)
41. Macphee C.H. and A. Daugherty. (2008) Editorial: Cardiovascular diseases. *Drug Discovery Today: Therapeutic Strategies*. **5**: 1-3.
42. Daugherty, A., H. Lu, and D.L. Rateri. (2009). Atherosclerosis - Cell Biology and Lipoproteins - Commentary. *Current Opinions in Lipidology*. *In press*.
43. Daugherty, A., N.R. Webb, H. Lu., D.L. Rateri, and L.A. Cassis. (2009) Mice models of abdominal aortic aneurysms: What they can and can't add to the understanding of the human disease. *European Journal of Vascular and Endovascular Surgery*. *In preparation*

Published Abstracts

1. Daugherty, A. and B. Woodward. (1980). Effect of calcium on cyclic nucleotide levels in the isolated rat heart. *British Journal of Pharmacology*. **70**: 69P-70P.
2. Daugherty, A. and B. Woodward. (1981). The calcium dependence of ventricular fibrillation thresholds in the isolated rat heart, and the effects of verapamil. *British Journal of Pharmacology* **74**: 193P-194P.
3. Daugherty, A. and B. Woodward. (1981). The K^+/Ca^{2+} ratio and slow-channel antagonists on arrhythmias in the isolated perfused coronary-ligated rat heart. *British Journal of Pharmacology* **74**: 834P.
4. Daugherty, A. and B. Woodward. (1982). Lack of adrenergic influences on ventricular arrhythmias in coronary artery-ligated isolated rat hearts. *British Journal of Pharmacology* **76**: 182P.
5. Daugherty, A. and B. Woodward. (1982). Carbachol-adrenaline interactions on vulnerability to ventricular fibroflutter in the isolated rat heart. *British Journal of Pharmacology* **77**: 464P.
6. Daugherty, A., K.N. Frayn, W.S. Redfern and B. Woodward. (1983). Do elevated plasma catecholamines contribute to the development of ventricular dysrhythmias in the coronary-ligated rat heart? *British Journal of Pharmacology* **79**: 45P.
7. Daugherty, A., O.Y. Mohamed and B. Woodward. (1983). Effect of potassium on coronary artery ligation induced ventricular arrhythmias in the isolated rat heart. *Journal of Physiology. (London)*. **340**: 66P.
8. Daugherty, A., L.G. Lange, G. Schonfeld and B.E. Sobel. (1984). Uptake of b-VLDL, HDL and albumin into atherosclerotic lesions of cholesterol-fed rabbits. *Federation Proceedings*. **43**: 460.
9. Fields, L.E., A. Daugherty, B.E. Sobel and S.R. Bergmann. (1984). Dissociation of oxygen consumption from work in diabetic rabbit hearts. *Federation Proceedings*. **43**: 374.
10. Daugherty, A., L.G. Lange and G. Schonfeld. (1984) Metabolic basis for the lack of regression of atherosclerotic lesions in the cholesterol-fed rabbit returned to normal chow. *Arteriosclerosis*. **4**: 525.
11. Tilton, R.G., A. Daugherty, P.A. Cole and J.R. Williamson. (1984). Hypercholesterolemia increases coronary vascular damage during reflow after ischemia. *Arteriosclerosis*. **4**: 530.
12. Avkiran, M., A. Daugherty, B. Woodward and M.N.M.H. Zakaria. (1984). Antiarrhythmic action of desmethylinipramine in the rat. *Journal of Molecular and Cellular Cardiology*. **16**: 57.
13. Sutura, S.P., A. Daugherty, C.W. Boylan, P.R. Rao, B.F. Perry, K. Chang, J. Marvel and J. R. Williamson. (1985). Effect of high cholesterol diet on red cell deformability in rabbits. *Microvascular Research*. **28**: 253.
14. Fields, L.E., K.A.A. Fox, A.K. Robison, A. Daugherty, S.R. Thorpe, S.J. Sarnoff and B.E. Sobel. (1985). Facilitated absorption of intramuscularly injected proteins including t-PA. *Circulation*. **72**: III-69.
15. Daugherty, A., S.R. Thorpe, L.G. Lange, B.E. Sobel and G. Schonfeld. (1985). Tissue sites of catabolism of b-VLDL defined with a novel residualizing label. *Circulation*. **72**: III-91.
16. Daugherty, A., K. Oida, B.E. Sobel and G. Schonfeld. (1986). Intestinal and hepatic derived plasma VLDLs accumulate at different rates during diet-induced hypercholesterolemia. *Federation Proceedings*. **45**: 347.
17. Daugherty, A., S.R. Thorpe and G. Schonfeld. (1986). Regulation of accumulation of b-VLDL and LDL in tissues *in vivo*: Contrasting effects of diet-induced hypercholesterolemia. *Arteriosclerosis*. **6**: 530.

18. Daugherty, A., B.S. Zweifel, B.E. Sobel and G. Schonfeld. (1987). Modified LDL in vascular tissue of WHHL rabbits. *Circulation*. **76**: IV-312.
19. Tilton, R.G., A. Daugherty, M.P Land, S.P. Sutera and J.R. Williamson. (1988). Diabetes increases albumin permeation but ameliorates coronary smooth muscle and myocyte contractile changes during reflow after ischemia. *Journal of Molecular and Cellular Cardiology*. **20**: S.10.
20. Moerlein, S.E., A. Daugherty and M.J. Welch. (1988). Ga-68 DTPA-LDL: A potential radiopharmaceutical for *in vivo* imaging of low-density lipoprotein receptor activity with PET. *Journal of Nuclear Medicine*. **29**: 848.
21. Becker, N.N., A. Daugherty, L. Scherrer, J.J.H. Ackerman, B.E. Sobel and S.R. Thorpe. (1988). NMR detection of protein catabolism in rat liver *in vivo* with a ¹⁹F-containing residualizing label. *Seventh Annual Society of Magnetic Research in Medicine*. **1**: 447.
22. Rateri, D.L., Kimura, Y, and A. Daugherty. (1988). Effects of diet on atherogenicity of specific subfractions of VLDL from Watanabe rabbits. *Arteriosclerosis*. **8**: 624a.
23. Dyer, L.E., D.L. Rateri, G. Schonfeld, and A. Daugherty. (1988). Dissociation of apolipoprotein degradation from ACAT activity in macrophages. *Arteriosclerosis*. **8**: 560a.
24. Daugherty, A., B.S. Zweifel, and G. Schonfeld. (1988). Probucol reduces atherosclerosis in cholesterol-fed rabbits. *Arteriosclerosis*. **8**: 624a.
25. Daugherty, A., S.R. Thorpe, C. Dence, M.R. Kilbourn, M.J. Welch, A.D. Ambos, G. Schonfeld, and B. E. Sobel. (1988). Non-invasive characterization of hepatic LDL metabolism by positron tomography. *Circulation*. **78**: 1282.
26. Daugherty, A., S.R. Thorpe, D.L. Rateri, Y. Kimura, and G. Schonfeld. (1988). Metabolism of cholesterol ester-rich VLDL in atherosclerotic aortic tissue. *Circulation*. **78**: 1560.
27. Kimura, Y., G. Schonfeld, and A. Daugherty. (1988). ApoB-48 enriched VLDL isolated by anti-apoE affinity columns. *Arteriosclerosis*. **8**: 604a.
28. Daugherty, A. and D.L. Rateri (1989). WHHL rabbit macrophages exhibit abnormal intracellular processing of cholesterol ester-rich VLDL. *Proceedings of the AHA Scientific Conference on Coronary Atherosclerosis and Thrombosis, Keystone, CO*.
29. Moerlein, S.E., A. Daugherty, and M.J. Welch. (1989). Ga-68 DTPA-VLDL: A potential radiopharmaceutical for PET quantification of tissue low density lipoprotein receptor activity. *Journal of Nuclear Medicine*. **30**: 763.
30. Scherrer, L.S., S.R. Thorpe, J.J.H. Ackerman, B.E. Sobel, and A. Daugherty. (1989). Characterization of cholesterol ester-rich VLDL noninvasively by NMR spectroscopy. *Circulation*. **80**: II-384.
31. Daugherty, A., G. Schonfeld and D.L. Rateri (1989). WHHL rabbit macrophages exhibit abnormal intracellular processing of cholesterol ester-rich VLDL. *Circulation*. **80**: II-80.
32. Thorpe, S.R., D.L. Rateri, G. Schonfeld, and A. Daugherty. (1989). Apoprotein determinants of hepatocyte-mediated clearance of cholesterol ester-rich VLDL from plasma. *Arteriosclerosis*. **9**: 768a.
33. Daugherty, A., B.S. Zweifel, and G. Schonfeld. (1989). Probucol retards the progression of established atherosclerosis in WHHL rabbits. *Arteriosclerosis*. **9**: 730a.

34. Scherrer, L.A., A. Daugherty, S.R. Thorpe, B.E. Sobel, and J.J.H. Ackerman. (1989). A noninvasive *in vivo* ¹⁹F NMR spectroscopic approach to the characterization of lipoprotein metabolism. *Eighth Annual Society of Magnetic Research in Medicine. Works in Progress.* 1073.
35. McNamara, R.L., J.J. Billadello, G. Schonfeld, and A. Daugherty. (1990). Ethinyl estradiol increases Apo B/E receptor activity in hepatic but not in adrenal tissue. *Circulation.* **82:** III-326.
36. McNamara, R.L., G. Schonfeld, and A. Daugherty. (1990). Kinetics of LDL catabolism *in vivo* are tissue specific. *Arteriosclerosis.* **10:** 838a
37. Daugherty, A. and D.L. Rateri. (1990). Noninvasive determination of hepatic metabolism of LDL differs from an anti-apo B/E receptor antibody. *Arteriosclerosis.* **10:** 838a
38. Daugherty, A. and D.L. Rateri. (1990). Discordant metabolism of β -very low density lipoproteins in hepatic and adrenal tissues *in vivo.* *Arteriosclerosis.* **10:** 838a
39. Scherrer, L.A., J.J.H. Ackerman, and A. Daugherty. (1990). Intracellular degradation of lipoproteins determined in intact tissue by NMR spectroscopy using a ¹⁹F residualizing label. *Circulation.* **82:** III-516.
40. Ord, J.M., A. Daugherty, S.R. Thorpe, S.R. Bergmann, and B.E. Sobel. (1990). Detection of thrombi with modified t-PA coupled to a residualizing radiolabel. *Circulation.* **82:** III-320.
41. Parhofer, K.G., A. Daugherty, M. Kinoshita, and G. Schonfeld. (1990). Enhanced clearance from plasma of low density lipoproteins containing a truncated apolipoprotein, apoB-89. *Circulation.* **82:** III-423.
42. Schonfeld, G., E.S. Krul, R.D. Wagner, K. Parhoffer, P. Talmud, and A. Daugherty. (1990). Hypobetalipoproteinemia associated with four different truncated forms of ApoB in three USA kindreds. *Proceedings of the 3rd International Symposium on Treatment of Severe dyslipoproteinemia in the prevention of coronary heart disease.* 88.
43. Moerlein, S.M., A. Daugherty, B.E. Sobel, and M.J. Welch. (1991). Utility of Tc-99m and In-111-labeled low-density lipoprotein as radiopharmaceuticals for metabolic imaging. *Journal of Nuclear Medicine.* **32:** 925-929.
44. Baumann, D., M. Doblaz, A. Daugherty, G. Sicard, and G. Schonfeld. (1991) The role of cholesterol accumulation in prosthetic graft anastomotic intimal hyperplasia. *Surgical Forum.* **142:** 354-359.
45. Hasapes, J.P., B.E. Sobel, and A. Daugherty. (1992). Tissue plasminogen activator is avidly metabolized in macrophages by the mannose fucose receptor. *Journal of the American College of Cardiology.* **19:** 392A.
46. Daugherty, A. and R. Reyes. (1992). Combined administration of amlodipine and lovastatin dramatically reduces aortic atherosclerosis in cholesterol-fed rabbits without affecting plasma lipid concentrations. *Proceedings of the IX International Conference on Drugs Affecting Lipid Metabolism.*
47. Wickline, S.A., R.A. Shepard, and A. Daugherty. (1992). Quantitative ultrasonic tissue characterization of atherosclerosis. *Proceedings of the Association for the Advancement of Medical Instrumentation.*
48. Daugherty A., D.L. Rateri, J.L. Dunn, and J. W. Heinecke. (1993) Human atherosclerotic lesions contain myeloperoxidase, a phagocyte enzyme that catalyzes oxidation reactions. *Circulation.* **88:** I-32.
49. Daugherty A., J.A. Cornicelli, S.M. Sendobry, and D.L. Rateri. (1994). Scavenger receptors are present on endothelial cells *in vivo.* *Circulation.* **90:** I-188

50. Roselaar S.E. and A. Daugherty. (1995) T-Lymphocytes are abundant in atherosclerotic lesions of LDL receptor *-/-* mice but not apolipoprotein E *-/-* mice. *Circulation*, **92**: I-498.
51. Sendobry S.M., J.A. Cornicelli, T. Bocan, K. Welch, B. Tait, B.K. Trivedi, N. Colbry, S. Feinmark, and A. Daugherty. (1995) Prevention of atherosclerosis in cholesterol-fed rabbits by a novel 15-lipoxygenase inhibitor lacking antioxidant properties. *Arteriosclerosis Thrombosis and Vascular Biology (Suppl)*. 120.
52. Roselaar, S.E. and A. Daugherty. (1996) Lipopolysaccharide decreases abundance of hepatic scavenger receptor mRNA *in vivo* in susceptible mice. *Proceedings of the Joint Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
53. Sendobry, S.M., J.A. Cornicelli, and A. Daugherty. (1996) Total immune deficiency promotes lipoxygenase activity in mouse peritoneal macrophages. *Circulation*. **94**: I-344.
54. Roselaar, S.E., and A. Daugherty. (1997) Apolipoprotein E deficiency impairs innate immune responses to *Listeria monocytogenes* *in vivo*. *Circulation*. **96**: I-347
55. Gairola, C.G., and A. Daugherty. (1999) Acceleration of atherosclerotic plaque formation in apoE *-/-* mice by exposure to tobacco smoke. *Society of Toxicology*.
56. Hennig, B., R. Slim, M. Toborek, A. Daugherty, and L. W. Robertson. (1999) PCB-mediated endothelial cell dysfunction: Implications in atherosclerosis. *Proceedings of the 19th International Symposium on Halogenated Environmental Organic Pollutants and POPs*
57. Daugherty, A., S.C. Whitman, A.E. Block, and D.L. Rateri. (1999) The atherosclerosis susceptible strain of mouse, C57BL/6, lacks the adhesion and AcLDL receptor binding domain recognized by the antibody 2F8. *Circulation*. **100**: I-751
58. Daugherty, A., S.C. Whitman, D.L. Rateri, and J.A. Cornicelli. (1999) Aging influences the effects of macrophage-specific transgene expression of scavenger receptor class A in transgenic mice. *Circulation*. **100**: I-751
59. Daugherty, A. and L.A. Cassis. (1999) Angiotensin II infusion promotes atherogenesis and aneurysm formation in apolipoprotein E *-/-* mice. *Circulation*. **100**: I-474.
60. Whitman, S.C., Daugherty, A. and S.R. Post. (1999) Acute regulation of LDL receptor-mediated VLDL metabolism by macrophage colony-stimulating factor through a Gi/o-mediated signaling pathway. *Circulation*.
61. Webb, N.R., A. Daugherty, M.C. de Beer, M.S. Kindy, D.R. van der Westhuyzen, and F.C. de Beer. (1999) SR-BI over-expression results in depletion of apoB-containing lipoproteins that accumulate in apoE-deficient, but not LDL receptor-deficient or human apoB transgenic mice. *Circulation*. **100**: I-37
62. Sundell, C.L., A. Daugherty, A.L. Stalvey, P. Hammes, L.K. Landers, and R.M. Medford. (1999) Suppression of VCAM-1 and MCP-1 attenuates atherosclerosis in LDL receptor-knockout and apoE-knockout mouse models. *Circulation*. **100**: I-43.
63. Toborek, M., S. Kaiser, Y.W. Lee, K. Schnurr, A. Daugherty, B. Hennig, and H. Kuhn. (1999) Interleukin-4 induces expression of 15-lipoxygenase gene and creates a pro-inflammatory environment in HUVEC. *American Society for Cell Biology*.
64. Lee, Y.W., H. Kuhn, B. Hennig, A. Daugherty, and M. Toborek. (1999) Interleukin-4 mediated transcriptional regulation of 15-lipoxygenase gene expression in HUVEC. *American Society for Cell Biology*.

65. Cassis, L.A. and A. Daugherty. (2000) Effect of AT1 And AT2 antagonisms on AngII induced atherosclerosis and abdominal aortic aneurysms. *3rd International Symposium on Angiotensin II antagonism.*
66. Hennig, B., P. Meerarani, A. Daugherty, and M. Toborek. (2000) Unique properties of 18-C fatty acids in activation of vascular endothelial cells. *First Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
67. King, V.L., S.J. Szilvassy, and A. Daugherty. (2000) Interleukin-4 deficiency in LDL-receptor-/- mice fed a high fat diet leads to increased mortality and hypercholesterolemia. *First Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
68. King, V.L., S.J. Szilvassy, and A. Daugherty. (2000) Interleukin-4 deficiency in LDL-receptor-/- mice fed a high fat diet decreases atherosclerotic lesion formation. *Circulation.*
69. King V.L., S. J. Szilvassy, and A. Daugherty. (2001) Interleukin-4 deficiency accelerates the formation of gall stones in C57BL/6 mice fed a saturated fat, cholesterol, and cholate-enriched diet. *Second Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
70. Manning, M.W., S.J. Szilvassy, L. A. Cassis, and A. Daugherty. (2001) Angiotensin AT1a receptors on bone marrow derived cells are critical for angiotensin II-induced aneurysm formation and progression of atherosclerosis. *Second Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
71. Whitman, S.C., D.L. Rateri, S.J. Szilvassy, J.A. Cornicelli, and A. Daugherty. (2001) macrophage-specific expression of class A scavenger receptors decreases atherosclerosis in LDL receptor -/- mice and influences immune function. *Second Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
72. Whitman, S.C. and A. Daugherty. (2001) Interleukin-18, a prominent cytokine involved in acquired and innate immunity, enhances atherosclerosis in male apolipoprotein E -/- mice. *Second Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
73. Veeraraghavan, P., A. Daugherty, E.M. Kurowska, J. A. Manthey. and S. C. Whitman (2001) Metabolism of acetylated LDL by mouse peritoneal and J774 macrophages is inhibited by the citrus flavonoid nobiletin. *Second Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
74. Krul, E.S., D. Connolly, B. Keller, M. Brown, D. Butteiger, N. Napawan, K. Broschat, D. Ornberg, and A. Daugherty. (2001) Selective COX-2 inhibition reduces progression of atherosclerosis. Nashville Eicosanoid meeting.
75. Ravisankar, P., L.A. Cassis, S.J. Szilvassy, and A. Daugherty (2002). Absence of CCR2 receptors in bone marrow-derived cells decreases angiotensin II induced atherosclerosis and abdominal aortic aneurysms in apoe deficient mice. *Third Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
76. Tashiro, K., L.A. Cassis, and A. Daugherty (2002). Upregulation of MCP-1 and VCAM-1 is associated with development of angII-induced arterial disease in LDL receptor -/- mice. *Third Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
77. King, V., L.A. Cassis, and A. Daugherty. (2002). Interferon- γ deficiency enhances angiotensin II-induced abdominal aortic aneurysm formation in apolipoprotein E deficient mice. *Third Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
78. Manning, M.W., L.A. Cassis, and A. Daugherty. (2002). The matrix metalloproteinase inhibitor doxycycline reduces the incidence and severity of angiotensin-induced aortic aneurysms. *Third Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*

79. Bostrom, M.A., F.C. de Beer, A. Daugherty, and N.R. Webb. (2002) Macrophage expression of group IIA sPLA2 in LDL receptor-deficient mice increases atherosclerotic lesions formation in the absence of systemic effects of lipoprotein metabolism. *Third Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
80. Cassis, L.A., N. Benjamin, M. Helton, J.Pauly, and A. Daugherty. (2002) Species differences in the renin-angiotensin system. IUPHAR Conference
81. Cassis, L.A., K. Saraff, and A. Daugherty. (2002) Hyperlipidemia upregulates the renin-angiotensin system. AHA Hypertension Meeting.
82. King, V.L., L. A. Cassis and A. Daugherty. (2003) Interferon- γ has opposing effects on angiotensin II-induced atherosclerosis and abdominal aortic aneurysm formation and apolipoprotein-E deficient mice. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
83. Howatt, D., D. L. Rateri, L. A. Cassis and A. Daugherty. (2003) Absence of CCR2 receptors decreases angiotensin II induced atherosclerosis and aortic aneurysms in apolipoprotein E $-/-$ mice. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
84. Rateri, D.L., L. A. Cassis, M. Helton, and A. Daugherty. (2003) Angiotensin II-induced abdominal aortic aneurysms and atherosclerosis in LDL receptor deficient mice are mediated by type 1a receptors. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
85. Saraff, K., F. Babamusta, L. A. Cassis, and A. Daugherty. (2003) Aortic dissection precedes formation of aneurysms and atherosclerosis in angII infused apoE deficient mice. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
86. Huang, J, L. A. Cassis, S. J. Szilvassy, T. E. Curry, and A. Daugherty. (2003) Deficiency of matrix metalloproteinase-2 in bone marrow-derived cells decreases the incidence of angiotensin II-induced abdominal aortic aneurysms in apolipoprotein E $-/-$ mice. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
87. Kosswig, N., A. Daugherty, and S. P. Post. (2003) A membrane proximal positively charged domain of the class A scavenger receptor's cytoplasmic tail is sufficient for cell surface localization. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
88. Henriques, T.A, V.L. English, M.W. Helton, A. Daugherty, and L.A. Cassis. (2003) Ovariectomy fails to alter the development of AngII-induced abdominal aortic aneurysms in apolipoprotein E $-/-$ mice. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
89. Boustany, C., V.L. English, M. W. Helton, A. Daugherty, D. Randall, and L.A. Cassis. (2003) The renin-angiotensin system is activated in obesity-induced hypertension. *Fourth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology.*
90. Rateri, D.L, L.A. Cassis, and A. Daugherty. (2003) Angiotensin II-induced vascular pathologies in LDL receptor deficient mice are mediated by the angiotensin II type 1a receptor. XIIIth International Symposium on Atherosclerosis.
91. Babamusta, F., K. Saraff, L.A. Cassis, and A. Daugherty. (2003) Macrophage colony stimulating factor deficiency protects against atherosclerosis but predisposes to arch aneurysms in angII-infused male mice. *Circulation.*
92. Saraff, K, F. Babamusta, L.A. Cassis, and A. Daugherty. (2003) Total lymphocyte deficiency protects against angiotensin II-induced vascular pathology in apoE deficient mice. *Circulation.*

93. Daugherty, A., D. Howatt, L.A. Cassis, and D.L. Rateri. (2003) Angiotensin peptides are augmented by hypercholesterolemia and are major contributors to the development of atherosclerosis. *Circulation*.
94. Gavrilu, D,W. Li., A. Daugherty, L.A. Cassis, F. J. Miller, K. C. Dellsperger, and N. L. Weintraub. (2003) Vitamin E inhibits AngII induced abdominal aneurysm formation in apoE^{-/-} mice. *Circulation*.
95. Howatt, D.A, D.L. Rateri, L.A. Cassis, and A. Daugherty. (2004) Matrix metalloproteinase-9 deficiency does not reduce the development of angiotensin II-induced atherosclerosis and abdominal aortic aneurysm formation. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
96. Lu, H., K. Tashiro, D.L. Rateri, L.A. Cassis, and A. Daugherty (2004) Definition of a macrophage renin-angiotensin system that is stimulated in a hyperlipidemic environment. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
97. Huang, J., L. A. Cassis, and A. Daugherty. (2004). MMP-2 deficiency decreases the adhesion activity of peritoneal macrophages of mice through reduced integrin alpha v beta 3 expression. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
98. Boustany, C., M. Helton, A. Daugherty and L.A. Cassis (2004) Deficiency of AT1a receptors attenuates blood pressure and limits body weight gain in diet-induced obesity. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
99. Witta, J, M.C. de Beer, D.L. Rateri, A. Daugherty, and F. C.de Beer. (2004) Serum amyloid A expression in angiotensin II-induced abdominal aneurysm. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
100. Rateri, D.L., D.A. Howatt, L.A. Cassis, and A. Daugherty. (2004) Deficiency of AT1a receptors in bone marrow-derived cells fails to influence hyperlipidemia induced atherosclerosis. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
101. Phan, E.T, J.M. Sanders, J.J. Fischer, M.S. Bevard, A. Daugherty, and I.J. Sarembock. (2004) Interferon- γ gene deletion does not impact lesion development in the ApoE^{-/-} mouse carotid injury model. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
102. Babamusta F., J. Moorlegghen, D.L. Rateri, L.A. Cassis, and A. Daugherty. (2004) M-CSF deficiency predisposes angiotensin II-infused mice to aortic medial degradation. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
103. Gul W., L.A. Cassis, and A. Daugherty. (2004) Expression of cathepsin L is enhanced in angiotensin II-induced atherosclerosis. *Fifth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
104. Bostrom, M.A., Forrest, K., Boyanovsky, B., Daugherty, A., and Webb, N.R. (2005) Retroviral vector-mediated over-expression of group v secretory phospholipase A₂ expression in hematopoietic cells promotes atherosclerosis in low density lipoprotein receptor deficient mice. *Sixth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
105. Henriques, T.A., Daugherty, A., and Cassis, L.A. (2005) Androgen administration increases angiotensin II-induced abdominal aortic aneurysm formation in apolipoprotein E deficient mice. *Sixth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
106. Lu, H., D.L. Rateri, K. Tashiro, L.A. Cassis, and A. Daugherty. (2005) Acetylated LDL-induced lipid-loading of macrophages upregulates angiotensinogen via the AT1a receptor. *Sixth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
107. Daugherty, A., Howatt, D.A., and Rateri, D.L. (2005) In vivo and ex vivo quantification of angiotensin II-induced abdominal aortic aneurysms by high frequency ultrasound. *Sixth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

108. Thomas, M., McCormick M.L., Daugherty, A., Cassis, L., Dellsperger K.C., and Weintraub N.L. (2005) Angiotensin II-induced abdominal aortic aneurysm formation is attenuated in ApoE/CD14-deficient mice. *Circulation*.
109. Thomas, M., McCormick M.L., Gavrila D., Miller, F., Daugherty, A., Cassis, L., and Weintraub N.L. (2005) Role of p47^{phox} in angiotensin II-induced hypertension and abdominal aortic aneurysm formation in ApoE knock-out mice. *Circulation*.
110. Lu, H, D.L. Rateri, L.A. Cassis and A. Daugherty. (2006) Renin deficiency in bone marrow-derived cells reduces hypercholesterolemia-induced atherosclerosis. *Seventh Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
111. Owens, A.P. , J.J. Moorleghen, and A. Daugherty (2006) Angiotensin II infusion increases aortic medial thickness via pressure independent region-specific mechanisms. *Seventh Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
112. Mokashi, V, and A. Daugherty. (2006). Angiotensin II reduces abundance of LRP in Aortic smooth muscle cells in a region-specific manner. *Seventh Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
113. Barisione, C., D.A. Howatt, J.J. Moorleghen, D.L. Rateri, and A. Daugherty (2006). Rapid dilation of the abdominal aorta during infusion of angiotensin II detected by noninvasive high frequency ultrasound. *Seventh Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
114. Beckers, L., M. Daemen, A. Daugherty, and E. Lutgens. (2006). Deficiency of CD40L reduces the incidence of aortic aneurysm formation and prevents aortic rupture. *Circulation*.
115. Lu, H., L.A. Cassis, D. Feldman, and A. Daugherty. (2006). Renin Inhibition markedly reduces hypercholesterolemia-induced atherosclerosis. *Circulation*.
116. Rateri, D.L., D.A. Howatt, C. Barisione, J.J. Moorleghen, and A. Daugherty. (2007). Continuous angiotensin II infusion promotes progressive expansion and vascular remodeling of abdominal aortic aneurysms in apolipoprotein E-/- mice. NAVBO Workshop.
117. Xie, X., D.A. Howatt, L.A. Cassis, and A. Daugherty. (2007). MMP-9 deficiency does not influence atherosclerosis but promotes abdominal aortic aneurysms in both hypercholesterolemic and angiotensin II-infused mice. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
118. Owens III, A.P., J.J. Moorleghen, C.A. McNamara, and A. Daugherty. (2007). Angiotensin II infusion results in a region-specific aortic hypertrophy and hyperplasia requiring AT1a receptor activation of p47^{phox} and ID3 in a pressure-independent manner. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
119. Mokashi, V. and A. Daugherty. (2007). Angiotensin II decreases cell surface expression of LRP in abdominal smooth muscle cells via AT1 receptors: Role of receptor associated protein (RAP). *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
120. Lu, H., D.L. Rateri, L.A. Cassis, and A. Daugherty. (2007). Medial macrophages that accumulate in abdominal aortic regions prone to angiotensin II-induced aneurysms are not primarily derived from blood borne cells. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
121. Rateri, D.L., D.A. Howatt, J.J. Moorleghen, C. Barisione, and A. Daugherty. (2007). Continuous angiotensin II infusion promotes progressive expansion and vascular remodeling of abdominal aortic aneurysms in apolipoprotein E-/- mice. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

122. Daugherty, A., D. A. Howatt, S.G Han and C.G.Gairola (2007). Deficiency of AT1a receptors profoundly reduces sidestream cigarette smoke-augmented atherosclerosis in LDL receptor $-/-$ mice. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
123. Arsenescu, A., S. Police, E. Langlois, V. English, A. Daugherty, L.A. Cassis. (2007). The environmental pollutant, polychlorinated biphenyl 77, augments angiotensin II-induced abdominal aortic aneurysm formation in apolipoprotein E deficient mice. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
124. Zhang, X., T. Henriques, A. Daugherty and L.A. Cassis. (2007). Androgen increases expression of the aortic AT1a receptor and recapitulates angiotensin II-induced abdominal aortic aneurysms in castrated male apoE $-/-$ mice. *Eighth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
125. Owens, A.P., and A. Daugherty (2007). Angiotensin II-induced abdominal aortic aneurysms are attenuated by deficiency of the innate immune mediator, myeloid differentiation factor 88. *Circulation*.
126. Mokashi, M and A. Daugherty (2007) Deficiency of receptor associated protein (RAP) enhances formation of angiotensin II-induced vascular pathology. *Circulation*.
127. Han, S.G., D. Howatt, A. Daugherty, and C.G. Gairola. (2007) Atherogenic and pulmonary response of apoE and LDL receptor deficient mice to cigarette smoke. *Society for Toxicology*.
128. Uchida, H.A., L.A. Cassis, and A. Daugherty. (2008) Contrasting Roles of uPA and uPAR on the Development of AngII-induced Abdominal Aortic Aneurysms in LDL Receptor Deficient Mice. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
129. Subramanian, V, J. Golledge, and A Daugherty. (2008) Angiotensin II reduces abundance of PPAR γ in aortic smooth muscle cells via the TGF- β 1 activated p38 MAP kinase in a Smad-independent manner. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
130. Lu, H, L.A. Cassis, D. L. Feldman, and A. Daugherty. (2008) Exogenous Angiotensin II Directly Promotes Abdominal Aortic Aneurysms in Hypercholesterolemic Mice. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
131. Lu, H., L.A. Cassis, and A. Daugherty. (2008) Inhibition of Angiotensin Converting Enzyme Ablates Angiotensin I Infusion-Induced Atherosclerosis and Aneurysms in Mice. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
132. Nomiyama, T., F. Gizard, Y. Zhao, E.B. Heywood, K. L. Jones, A. Daugherty, and D. Bruemmer (2008) Deficiency of the NR4A orphan nuclear receptor NOR1 reduces atherosclerosis in apolipoprotein E-deficient mice. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
133. Owens III, A.P. and A. Daugherty (2008). Myeloid differentiation factor 88 deficiency dramatically attenuates angiotensin II-induced atherosclerosis and aneurysms. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
134. Lu, H. L.A. Cassis, and A. Daugherty. (2008). Dietary sodium regulates blood pressure and the systemic renin angiotensin system independent of atherogenesis. *Ninth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
135. Owens, AP III, D.A. Howatt, and A. Daugherty. (2008). Toll-like Receptor 4 deficiency attenuates angiotensin II-induced atherosclerosis and abdominal aortic aneurysm via a MyD88-dependent mechanism. *Circulation*.

136. Cassis, L.A., M. Gupte, S. Thayer, D.A. Howatt, D.L. Rateri, and A. Daugherty. (2008). Angiotensin II promotes abdominal aortic aneurysms and atherosclerosis independent of blood pressure in hyperlipidemic mice. *Hypertension*.
137. Zhao, Y., T. Nomiya, F. Gizard, H. Findeisen, E.B. Heywood, K.L. Jones, A. Daugherty, and D. Brummer. (2009). The NR4a orphan nuclear receptor NOR1 regulates monocyte adhesion during atherogenesis. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
138. Putnam, K, S. Police, S. Thatcher, A. Daugherty and L.A. Cassis. (2009). Weight loss in obese C57BL/6 mice limits adventitial expansion of chronic AngII-induced AAAs. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
139. Zack, M, P. Shridas, W. Bailey, K. Forrest, D.A. Howatt, A. Daugherty, and N. R. Webb (2009). Group X secretory phospholipase A₂ deficiency protects apoE-deficient mice from angiotensin II-induced abdominal aortic aneurysms. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
140. Lu, H. L.A. Cassis, D.A. Howatt, A. Balakrishnan, T. Ijaz, and A. Daugherty. (2009). Low dietary sodium augments atherosclerosis in hypercholesterolemic mice. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
141. Zhao, M., A. Daugherty, L.A. Cassis, and H. Lu. (2009). Angiotensin I infusion imitates the vascular pathologies induced by angiotensin II infusion. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
142. Wang, S., D.A. Howatt, H. Lu, L.A. Cassis, and A. Daugherty. (2009). Deficiency of receptor associated protein attenuates atherosclerosis but not abdominal aortic aneurysms in hypercholesterolemic mice infused with angiotensin II. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
143. Uchida, H.A., L.A. Cassis, and A. Daugherty. (2009) Deficiency of uPA promotes angII-induced abdominal aortic rupture in LFL receptor deficient mice. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
144. Subramanian, V., D. Brummer, J. Golledge and A. Daugherty. (2009). Smooth muscle specific PPAR γ deficiency augments angiotensin II-induced atherosclerosis but does not affect abdominal aortic aneurysms in male LDL receptor deficient mice. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
145. Zhang, X., A. Daugherty and L.A. Cassis. (2009). Developmental programming of female apoE^{-/-} mice by androgen increases AngII-induced AAAs. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
146. Thatcher, S.E., X. Zhang, D.A. Howatt, D.L. Rateri, H. Lu, A. Daugherty and L.A. Cassis. (2009). ACE2 deficiency in bone marrow-derived cells increases atherosclerosis in LDL receptor ^{-/-} mice. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
147. Owens III, A.O., D.A. Howatt, and A. Daugherty. (2009). Contrasting effects of MyD88 and TLR4 deficiency in bone marrow-derived cells on angiotensin II-induced atherosclerosis and abdominal aortic aneurysms. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
148. Rateri, D.L., J.J. Moorleghen, D.A. Howatt, L.A. Cassis, and A. Daugherty. (2009). Depletion of smooth muscle cell angiotensin II type 1a receptors affects atherosclerosis but not abdominal aortic aneurysms. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.

148. Li, X-A., L. Guo, Z. Song, Q. Wu, P. Bernard, A. Daugherty, E. Smart, and H. Bin. (2009). SR-B1 prevents septic death through its roles in modulating inflammatory response in macrophages and regulating corticosteroid production in adrenal glands. *Tenth Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*.
150. Wang, L., Rateri, D.L., Miller, C.M., Daugherty, A. and Taubman, M.B. (2009). Vascular smooth muscle-derived tissue factor mediates the development of abdominal aortic aneurysm induced by angiotensin II infusion. *International Society for Thrombosis and Hemostasis*.

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.

Technical Reports

1. Daugherty, A., D.L. Rateri, H. Lu, and A. Balakrishnan. (2009). Measuring blood pressure in mice and rats using volume pressure recordings, a tail cuff method. Kent Scientific.

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

RESEARCH SUPPORT

Present Support

Principal Investigator

1. Project Director - "Mechanisms of abdominal aneurysm formation". Program Project Grant, National Institutes of Health. \$8,437,804. 04/01/06 - 03/31/11.
2. Principal Investigator - "Sources and effects of angiotensin peptides in atherosclerosis". National Institutes of Health. \$1,837,500. 012/16/08 - 08/31/12.
3. Principal Investigator - "Effects of 11 β -hydroxysteroid dehydrogenase inhibition on atherosclerosis in rabbits. Merck. \$144,190. 05/01/08 - 04/30/10.
4. Principal Investigator - "Determine the efficiency of renin inhibition on regression of hypercholesterolemia-induced atherosclerosis. Novartis Institutes for Biomedical Research. \$232,701. 07/01/08 - 06/30/10.
5. Principal Investigator - "Determine the relative efficacy of different modes of inhibiting the renin-angiotensin system (RAS) on hypercholesterolemia-induced atherosclerosis." Novartis Institutes for Biomedical Research. \$232,701. 07/01/08 - 06/30/10.
6. Principal Investigator. Determine the effect of anti-inflammatory agents on the development of AngII-induced AAAs. Johnson and Johnson.

Sponsor

1. 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 Affiliate. \$88,000. 07/01/08 - 06/30/10.

Co-Investigator

1. 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.
2. Co-Investigator (Principal Investigator - L. A. Cassis) "Angiotensin: a link between obesity and hypertension". National Institutes of Health, \$1,876,446. 4/1/03 - 3/31/08.
3. 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.
4. Co-Investigator (Principal Investigator - J. Golledge, James Cook University, Australia). "Osteoprotegerin and osteopontin in aortic aneurysm". National Institutes of Health. 6/1/05 - 5/31/09.
5. 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.
6. Co-Investigator (Principal Investigator - L. Tannock) Angiotensin induced proteoglycans in atherosclerosis". National Institutes of Health. \$1,250,000. 2/1/07 - 1/30/12.
7. Co-Investigator (Principal Investigator - L. Cassis). Obesity and cardiovascular disease - COBRE. National Institutes of Health. \$10,006,089. 10/1/08 - 9/30/13.
8. 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.
9. Co-Director (Director - David Randall) T32 Interdisciplinary Cardiovascular Training Program. National Institutes of Health. \$1,226,976. 7/1/09 - 6/30/14

Pending

1. Co-Investigator (Principal Investigator - Mark Taubman, University of Rochester). Smooth muscle cell tissue factor and cardiovascular disease. National Institutes of Health.
2. Co-Investigator (Principal Investigator - Yunbo Li, Virginia College of Osteopathic Medicine). Cruciferous dithiolethione: protection against atherosclerosis and mechanisms. National Institutes of Health.
3. Principal Investigator. Determine the effect of metal chelation agents on the development of AngII-induced AAAs. Vitrix Medical.
4. Sponsor (Principal Investigator - Mingming Zhao). The role of the C-domain of ACE in the development of atherosclerosis. Predoctoral fellowship. Great Rivers Affiliate of the American Heart Association.

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.
10. Principal Investigator - "Arterial lipoprotein receptor modulation in atherogenesis" Established Investigator of the American Heart Association. \$265,000. 7/1/92 to 6/30/97
11. 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.
12. Principal Investigator - "Scavenger receptor expression in atherogenesis". American Heart Association, Missouri Affiliate. \$55,000. 7/1/92 to 6/30/94.
13. 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.
14. 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.
15. 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.
16. 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.
 17. 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.
 18. 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.
 19. Principal Investigator - "Oxidized lipoproteins and immune responses". American Heart Association Missouri Affiliate Summer Fellowship. \$2,000. 6/1/97 to 8/1/97.
 20. Principal Investigator - "The effects of dietary antioxidants on the development of atherosclerosis" Monsanto, St. Louis. \$64,619. 10/1/97 to 6/1/98.
 21. 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.
 22. Principal Investigator - "Supplement for under represented minorities in postdoctoral training" National Institutes of Health. \$123,766. 1/1/99 - 7/31/01.
 23. Principal Investigator - "Scavenger receptor modulation of atherogenesis". RO1 HL55487. National Institutes of Health. \$1,322,176. 7/1/96 to 6/30/02.
 24. Principal Investigator.- "Effects of ZD4522 on the development of atherosclerosis and aneurysms". AstraZeneca. \$105,000. 1/1/01 to 1/3/03.
 25. 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.
 26. Principal Investigator - "Mechanisms of sidestream cigarette smoke induced atherosclerosis" Philip Morris. \$960,561. 4/1/02 - 3/31/05.
 27. Principal Investigator - "AngII promotes proinflammatory processes in atherogenesis". National Institutes of Health. \$1,164,000. 10/1/00 to 6/31/05.
 28. Principal Investigator - "Under represented minority supplement". National Institutes of Health. \$342,337. 07/01/03 - 03/31/07.
 29. Principal Investigator - "Role of MMPs in AngII-induced abdominal aortic aneurysms". National Institutes of Health. \$1,000,000. 4/1/02 - 3/31/07
 30. Principal Investigator - In vivo evaluation of bioabsorbable polymer coated stents. Abbott Vascular. \$190,840. 9/1/06 - 12/31/07
 31. Principal Investigator - "Effect of renin inhibition on the development of atherosclerosis". Novartis Research Institute. \$160,424. 01/10/05 - 31/09/07
 32. 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.

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 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. 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. 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. 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. 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.

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.