

**Curriculum Vitae**  
**Daniel James Rader, M.D.**  
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**Office Address:** Perelman School of Medicine  
University of Pennsylvania  
11-125 Smilow Center for Translational Research  
3400 Civic Center Blvd  
Philadelphia, PA 19104  
Tel: 215/573-4176  
Fax: 215/573-8606  
E-mail address: rader@mail.med.upenn.edu

**Education:**

1981	B.A.	Lehigh University, ( <i>summa cum laude</i> )
1984	M.D.	Medical College of Pennsylvania ( <i>summa cum laude</i> )

**Postgraduate Training and Fellowship Appointments:**

1984-1985	Internship, Internal Medicine, Yale-New Haven Hospital, New Haven, CT
1985-1987	Residency, Internal Medicine, Yale-New Haven Hospital, New Haven, CT
1987-1988	Chief Resident, Internal Medicine, Yale School of Medicine, New Haven, CT
1988-1991	Medical Staff Fellow, Molecular Disease Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD

**Academic Appointments:**

1991-1993	Staff Scientist, Molecular Disease Branch, NHLBI, NIH
1994-2000	Assistant Professor of Medicine, University of Pennsylvania School of Medicine
2000-2005	Associate Professor of Medicine, University of Pennsylvania School of Medicine
2006-2014	Edward S. Cooper, M.D./Norman Roosevelt and Elizabeth Meriwether McLure Professor of Medicine
2006-present	Professor of Pharmacology, University of Pennsylvania School of Medicine (Secondary)
2013-present	Professor of Medicine in Genetics, University of Pennsylvania School of Medicine (Secondary)
2014-present	Seymour Gray Professor of Molecular Medicine, University of Pennsylvania School of Medicine

**Hospital and Administrative Appointments:**

1994-present	Director, Preventive Cardiovascular Medicine and Lipid Clinic University of Pennsylvania Health System
1996-2005	Associate Program Director, General Clinical Research Center University of Pennsylvania School of Medicine
1996-1998	Institutional Review Board, University of Pennsylvania
1998-2006	GCRC Advisory Committee, Children's Hospital of Philadelphia
2002	Chair, Experimental Therapeutics Theme Group, Strategic Planning Initiative, University of Pennsylvania School of Medicine
2002-2008	Faculty Advisory Committee, Office of Human Research, Univ. Penn

2003-2012	Chair, Advisory Committee, Molecular Diagnostics and Genotyping Core, University of Pennsylvania School of Medicine
2005-present	Associate Director, Institute for Translational Medicine and Therapeutics University of Pennsylvania School of Medicine
2005-2006	Program Director, General Clinical Research Center University of Pennsylvania School of Medicine
2006-2011	Director, Clinical and Translational Research Center Perelman School of Medicine at the University of Pennsylvania
2007-2014	Bridge Funding Program Committee, Perelman School of Medicine at the University of Pennsylvania
2008-2014	Committee on Appointments and Promotions, Department of Medicine, Perelman School of Medicine at the University of Pennsylvania
2009-2014	Scientific Director, Clinical and Translational Research, Cardiovascular Institute, Perelman School of Medicine at the University of Pennsylvania
2011-present	Chief, Division of Translational Medicine and Human Genetics, Department of Medicine, Perelman School of Medicine at the University of Pennsylvania
2013-present	Director, PennMedicine BioBank, Perelman School of Medicine at the University of Pennsylvania
2014-present	Chair, Department of Genetics, Perelman School of Medicine at the University of Pennsylvania
2016-present	Chief, Division of Human Genetics, Department of Pediatrics, Children's Hospital of Philadelphia

**Awards and Honors:**

1979	Phi Beta Kappa
1983	Alpha Omega Alpha
1984	Dean's Award, Medical College of Pennsylvania
1995	WW Smith Charitable Trust Awardee
1996	Outstanding Faculty Award, Department of Medicine
1997	Donald B. Martin Outstanding Teacher Award
1999	Election to American Society of Clinical Investigation (ASCI)
2000	Established Investigator, American Heart Association
2000	Burroughs Wellcome Fund Clinical Scientist Award in Translational Research
2002-present	Annual listing in "Top Doctors of Philadelphia" (Philadelphia Magazine)
2002	Doris Duke Charitable Foundation Distinguished Clinical Investigator Award
2004	Chair, Gordon Conference on Lipid and Lipoprotein Metabolism
2005	Jeffrey M. Hoeg Award for Basic Science and Clinical Research, Arteriosclerosis, Thrombosis, and Vascular Biology Council of the American Heart Association
2005	8 <sup>th</sup> Annual Gill Heart Institute Award for Outstanding Contributions to Cardiovascular Research
2005	William Osler Patient Oriented Research Award, University of Pennsylvania School of Medicine
2005	Bristol Myers Squibb "Freedom to Discover" Unrestricted Cardiovascular Research Award
2007	International Atherosclerosis Society Distinguished Fellow
2007	Election to Association of American Physicians (AAP)
2007	Named Associate Editor, Journal of Clinical Investigation (JCI)
2009	Dewitt Goodman Lecture, Columbia University
2009	Bondy Lecture, Yale University

2009	MERIT (Method to Extend Research in Time) Award from the NIH-NHLBI
2010	Banting Lecture, University of Toronto
2011	Election to the Institute of Medicine, now the National Academy of Medicine
2012	American Heart Association's Clinical Research Prize

### **National Scientific Committees and Peer Review:**

National American Heart Association Lipoproteins and Lipid Metabolism Research Study Committee, Member, 1990-1994  
 American Heart Association Southeastern Pennsylvania Affiliate Grant Review Committee, Reviewer, 1995-1997  
 Executive Committee, Arteriosclerosis Thrombosis and Vascular Biology Council, American Heart Association, 1999-2002  
 General Clinical Research Center, Site Visitor on competing renewals, 1997-2005  
 Program Projects, NHLBI, NIH, Ad hoc reviewer, 1996-present  
 Program Chair, Arteriosclerosis Thrombosis and Vascular Biology Council, American Heart Association Scientific Sessions, November 2001  
 Vice-Chair, Gordon Conference on Lipid and Lipoprotein Metabolism, Meriden, New Hampshire, June, 2002  
 Program Co-chair, AHA ATVB meeting, May 8-10, 2003  
 Chair, Gordon Conference on Lipid and Lipoprotein Metabolism, Meriden, New Hampshire, June, 2004  
 Chair, Research Committee, American Heart Association Pennsylvania-Delaware Affiliate, 2004-2005  
 Scientific Advisory Board, Stanley Sarnoff Foundation for Cardiovascular Research, 2001-2008  
 Board of External Experts, National Heart Lung and Blood Institute, National Institutes of Health, 2008-present  
 Board, Deuel Conference, 2010-present  
 Chair, Deuel Conference, 2013  
 Co-Chair, Gordon Conference on Atherosclerosis, 2013  
 Co-Chair, Familial Hypercholesterolemia Summit, 2014/2015/2016

### **Editorial and Peer Review Activity:**

1999-present Editorial Board, Trends in Molecular Medicine  
 2000-present Editorial Board, Arteriosclerosis, Thrombosis, and Vascular Biology  
 2001-present Editorial Board, American Journal of Physiology (Endocrinology and Metabolism)  
 2002-present Editorial Board, Circulation  
 2002-present Editorial Board, Circulation Research  
 2005-present Editorial Board, Journal of Lipid Research  
 2007-2012 Associate Editor, Journal of Clinical Investigation  
 2012-present Deputy Editor, Arteriosclerosis Thrombosis and Vascular Biology  
 Reviewer, American Journal of Cardiology  
 Reviewer, Arteriosclerosis, Thrombosis, and Vascular Biology  
 Reviewer, Atherosclerosis  
 Reviewer, Biochimica Biophysica Acta--Lipid Metabolism  
 Reviewer, Cell Metabolism  
 Reviewer, Circulation  
 Reviewer, Circulation Research  
 Reviewer, Clinical Chemistry  
 Reviewer, Diabetes  
 Reviewer, Diabetes Care

Reviewer, Journal of Clinical Investigation  
 Reviewer, Journal of Lipid Research  
 Reviewer, Metabolism  
 Reviewer, Molecular and Cell Biology  
 Reviewer, Nature  
 Reviewer, Nature Cell Biology  
 Reviewer, Nature Genetics  
 Reviewer, Nature Medicine  
 Reviewer, New England Journal of Medicine  
 Reviewer, Proceedings of the National Academy of Sciences  
 Reviewer, Science  
 Reviewer, Science Translational Medicine

### Teaching and Education

1. Outpatient Attending, Preventive Cardiovascular Medicine and Lipid Clinic; 1994-present
2. Lecturer, Medical Student Curriculum 2000, Cardiovascular Block, University of Pennsylvania School of Medicine; 2-4 lectures per year; 1996-present
3. Lecturer, Medical Student Curriculum 2000, Genetics Block, University of Pennsylvania School of Medicine; 1 lecture per year; 2009-present
4. Unit Coordinator, Molecular Basis of Gene Therapy, CAMB 610; 2 months per year; 1997-present
5. Lecturer, Introduction to Patient Oriented Research Course, 1999-2006
6. Lecturer, Clinical Investigator Toolbox Course, Department of Medicine 2006-present
7. Lecturer, CAMB 550/Genetic Principles, University of Pennsylvania School of Medicine, 2015-present
8. Lecturer, Preventive Cardiology Fellows, University of Pennsylvania School of Medicine, 2009-present

### Active NIH and Foundation Grant Support (not including industry-sponsored research)

Grant/sponsor	Dates
R37 HL055323 (Rader) NHLBI "HDL Metabolism: Influence of Extracellular Lipases"	04/01/14-03/31/19
UL1TR 0000003 (FitzGerald) NIH, NHGRI "Institutional Clinical and Translational Science Award"	09/01/06-06/30/16
U01 HG006398 (Rader) NIH, NHGRI "iPS-derived hepatocytes for interrogation of lipid phenotypes associated with GWAS lipid loci"	07/01/11-06/30/16
R01 HL109489 (Rader) NIH, NHLBI "Interrogation of novel pathways regulating VLDL production and plasma lipids"	08/01/11-07/31/16
R01 HL111398 (Rader) NIH, NHLBI "Discovery and Validation of Novel Loci Associated with HDL Function"	01/01/12-11/30/16

1R01 HL111293 (Gelfand) 02/01/12-01/31/17  
 NIH, NHLBI  
 "A trial to determine the effect of psoriasis treatment on cardiometabolic disease"

R01 HL122843-01A1 (Saleheen/Rader) 02/01/2015-01/31/19  
 NIH/NHLBI  
 "Molecular mechanisms linking the CXCL12 pathway to atherosclerosis"

P01 HL059407 (Wilson) 07/01/15 – 06/30/20  
 NIH, NHLBI  
 AAV Gene Therapy for Lipid Disorders  
 "Project 2 – Optimizing Liver-Directed Gene Therapy for Inherited Dyslipidemia (Project Leader: Rader)"

10CVD03 (Rader) 01/01/11-12/31/16  
 Leducq  
 "Molecular Mechanisms of Novel Genes Associated with Plasma Lipids and Cardiovascular Disease"

15GPSGC24470098 (Rader) 07/01/15-06/30/19  
 American Heart Association  
 "Interrogation of the Plasma Proteome for the Development of New Biomarkers and Therapeutic Targets for Cardiovascular Disease"

**Selected Lectures by Invitation** (since Jan 2005 only)

2005

Medical Grand Rounds, Washington University, St. Louis, MO  
 Deuel Conference on Lipids, Dana Point, CA  
 Research Symposium Keynote Address, Lanckenau Hospital, Wynnewood, PA  
 Himmelfarb Lectureship, Sinai Hospital of Baltimore, Baltimore, MD  
 Keystone Symposium, Whistler, BC  
 Cardiology Grand Rounds, Johns Hopkins Hospital, Baltimore, MD  
 Endocrine Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA  
 Gordon Research Conference on Atherosclerosis, Meriden, NH  
 2<sup>nd</sup> International Symposium on Triglycerides and HDL – New York, NY  
 Gill Heart Research Day, University of Kentucky, Lexington, KY  
 Jefferson Kynett CV Conference – Thomas Jefferson University – Philadelphia, PA  
 ACC Cardiovascular Symposium – NYC

2006

Rockefeller University Hospital – NYC  
 Cardiology Grand Rounds, New York University Medical School – NYC  
 Keystone Symposium – Keystone, CO  
 American Diabetes Association Conference – Washington, DC  
 Thomas Jefferson University Translational Symposium – Philadelphia, PA  
 Temple University Lecture Series – Philadelphia, PA  
 Gordon Conference on Lipoprotein Metabolism – Mt Holyoke, MA  
 Metabolic Syndrome Symposium – Boston, MA  
 National Lipid Association Masters Summit Conference – AHA Scientific Sessions – Chicago, IL  
 AHA Scientific Sessions – Chicago, IL  
 Cooper University Hospital – Camden, NJ

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