CURRICULUM VITAE
Daniel Greif, M.D.

Position: Professor with Tenure, Department of Internal Medicine, Section of Cardiovascular Medicine, Traditional Track, With a Secondary Appointment in the Department of Genetics

School: Yale School of Medicine and the Graduate School

Education:

09/1987-05/1991 B.S., Chemical Engineering, Stanford University, Stanford, CA
08/1992-05/1997 M.D. with Thesis, University of California San Francisco, San Francisco, CA

Career/Academic Appointments:

07/1997-06/1998 Intern, Internal Medicine, University of Washington, Seattle, WA
07/1998-06/1999 Junior Resident, Internal Medicine, University of Washington, Seattle, WA
07/1999-06/2000 Senior Resident, Internal Medicine, Brigham & Women's Hospital, Boston, MA.
07/2000-06/2003 Howard Hughes Medical Institute Physician Postdoctoral Fellow, Brigham & Women's Hospital, Boston, MA. (Advisor: Thomas Michel, M.D., Ph.D.)
07/2003-06/2007 Fellow, Cardiovascular Medicine, Department of Medicine, Stanford University, Stanford, CA.
07/2005-06/2008 Postdoctoral Fellow, Howard Hughes Medical Institute and Department of Biochemistry, Stanford University, Stanford, CA. (Advisor: Mark Krasnow, M.D., Ph.D.)
07/2008-06/2010 Instructor, Department of Biochemistry, Stanford University, Stanford, CA. (Advisor: Mark Krasnow, M.D. Ph.D.)
07/2007-06/2010 Instructor, Cardiovascular Medicine, Department of Medicine, Stanford University, Stanford, CA.
07/2010-06/2016 Assistant Professor, Cardiovascular Section, Department of Medicine, Yale University School of Medicine, New Haven, CT
07/2016-6/2019 Associate Professor with Term, Cardiovascular Section, Department of Medicine, Yale University School of Medicine, New Haven, CT
07/2017-6/2019 Associate Professor, Department of Genetics, Yale University School of Medicine, New Haven, CT
07/2018-12/2018 Sabbatical Visiting Scientist, Human Cardiovascular Genomics and Genetics, MRC London Institute for Medical Sciences and Royal Brompton Cardiovascular Research Centre, London, England.
07/2019-6/2023 Associate Professor with Tenure, Departments of Medicine (Cardiovascular Section) and Genetics, Yale University School of Medicine, New Haven, CT
7/2023-present Professor with Tenure, Departments of Medicine (Cardiovascular Section) and Genetics, Yale University School of Medicine, New Haven, CT
9/2023-12/2023 Sabbatical Visiting Scientist, Centro Nacional De Investigaciones Cariovasculares, Madrid, Spain

Administrative Positions:

01/2021-present Co-Director, Yale Cardiovascular Research Center, New Haven, CT

Board Certification:

2000-2010 American Board of Internal Medicine

2006-2016 American Board of Internal Medicine, Cardiovascular Medicine,
2017-2027 American Board of Internal Medicine, Cardiovascular Medicine, recertification

Professional Honors & Recognition:

A) International/National/Regional
- 1988: Undergraduate Summer Research Award, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- 1990: Fellowship, International Student Exchange for Technical Experience, Goteborg, Sweden
- 1995: Fellowship, Angiogenesis Foundation, Cambridge, MA
- 1997: M.D. with Thesis, UCSF, San Francisco, CA
- 2000: Physician Postdoctoral Research Fellowship, Howard Hughes Medical Institute,
- 2002: Cardiopulmonary and Critical Care Travel Award, American Heart Association, Chicago, IL
- 2006: Excellence in Laboratory Research Award, Stanford University Cardiology Fellows, Stanford, CA
- 2007: Finalist, Burroughs Wellcome Foundation Career Award for Medical Scientists,
- 2012: Instructor, Benny Shilo Course in Developmental Biology, National Center for Biological Sciences, Bangalore, India
- 2013: Basil O'Connor Starter Scholar Research Award, March of Dimes, New Haven, CT
- 2014: Biomedical Research Award, CT Dept of Public Health (declined; overlap with R21), New Haven, CT
- 2015: Springer Junior Investigator Award, North American Vascular Biology Organization, Falmouth, MA
- 2018: Participant, Single Cell Course, Sanger Genome Center, Hinxton, England
- 2018: Expert Opponent to Student's PhD thesis, Karolinska Institute, Stockholm, Sweden
- 2018: Elected Member, American Society of Clinical Investigation
- 2019: Established Investigator Award, American Heart Association
- 2020: Outstanding Investigator Award, NIH/NHLBI
- 2022: External Reviewer, Student's PhD thesis, Justus Liebig University of Giessen, Geissen, Germany

B) Yale University
- 2012: Scholar Award, Yale Center for Clinical Investigation

Grant History:

A) Current Grants

Agency: NIH/NHLBI
I.D.#: R35HL150766
Title: "Novel vascular smooth muscle cell progenitors in development and disease"
P.I.: Daniel Greif, M.D.
Percent effort: 50%
Total costs for project period: $7,027,057 (of which $2,831,799 are indirects)
Project period: 7/01/20 – 6/30/27

Agency: NIH/NICHD
I.D.#: R01HD110059
Title: "Epigenetic-mediated Notch pathway activation promotes elastin aortopathy"

P.I.: Daniel Greif, M.D. and Kathleen Martin, Ph.D. (co-PI's)
Percent effort: 20%
Total costs for project period: $3,273,645 (of which $1,319,235 are indirects)
Project period: 2/01/23 - 1/31/28

Agency: American Heart Association
I.D.#: Collaborative Sciences Award, 23CSA1051139
Title: "Intrinsic and non-cell autonomous regulation of the SMC epigenetic clock"
P.I.: Daniel Greif, M.D. and Michael Corley, Ph.D.
Percent effort: 8%
Total costs for project period: $750,000 (of which $68,181 are indirects)
Project period: 07/01/23 – 06/30/26

B) Past Grants

Agency: Howard Hughes Medical Institute
I.D.#: Physician Postdoctoral Research Fellowship
Title: "Phosphorylation and dephosphorylation pathways regulating eNOS and calmodulin in endothelial cells"
P.I.: Daniel Greif, M.D.
Percent effort: 100%
Total direct costs for project period: $212,000
Project period: 9/1/00 - 6/30/03

Agency: Sarnoff Cardiovascular Research Foundation
I.D.# Scholar Award
Title: "Morphogenesis of the left pulmonary artery"
P.I.: Daniel Greif, M.D.
Percent effort: 100%
Total direct costs for project period: $210,000
Project period: 12/1/05 - 6/30/09

Agency: Child Health Research Program, Stanford University
I.D.# Pilot Early Career Award
Title: "Circumferential patterning of the developing pulmonary arterial wall"
P.I.: Daniel Greif, M.D.
Total direct costs for project period: $35,000
Project period: 7/01/09 – 6/30/10

Agency: NIH/NHLBI
I.D.# K08HL093362
Title: "Morphogenesis of the pulmonary artery smooth muscle cell layer"
P.I.: Daniel Greif, M.D.
Percent effort: 43.25%
Total direct costs for project period: $660,285
Project period: 8/01/08 – 7/31/13

Agency: Pulmonary Hypertension Association
I.D.# Clinical Scientist Development Award
Title: "Morphogenesis of the pulmonary artery smooth muscle cell layer"

P.I.: Daniel Greif, M.D.
Percent effort: this award supplemented the support for the K08 project
Total direct costs for project period: $312,500
Project period: 8/01/08 – 7/31/13

Agency: Yale Center for Clinical Investigation
I.D.# Scholar Award
Title: "The role of interleukin6 in rodent and human pulmonary artery hypertension"
P.I.: Daniel Greif, M.D.
Percent effort: effort without salary
Total direct costs for project period: $50,000
Project period: 7/01/12 – 6/30/14

Agency: Yale Center for Clinical Investigation
I.D.# Scholar Award
Title: "The role of interleukin6 in rodent and human pulmonary artery hypertension"
P.I.: Daniel Greif, M.D.
Percent effort: effort without salary
Total direct costs for project period: $50,000
Project period: 7/01/12 – 6/30/14

Agency: March of Dimes
I.D.#: Basil O'Connor Starter Scholar Research Award
Title: "Excessive and ectopic vascular smooth muscle cells in pulmonary hypertension: from where do they come and how do they get here?"
P.I.: Daniel Greif, M.D.
Percent effort: effort without salary
Total direct costs for project period: $136,364
Project period: 2/1/13 - 1/31/15

Agency: NIH/NINDS
I.D.#: 1R21NS088854-01
Title: "Mural cell TGF-beta-mediated signaling and neonatal intracerebral hemorrhage"
P.I.: Daniel Greif, M.D.
Percent effort: 5%
Total direct costs for project period: $275,000
Project period: 7/1/14 - 6/30/17, NCE

Agency: American Lung Association
I.D.#: Biomedical Research Grant, RG-310716
Title: "The origin and recruitment of excess vascular smooth muscle cells in pulmonary hypertension"
P.I.: Daniel Greif, M.D.
Percent effort: 3.9%
Total direct costs for project period: $80,000
Project period: 7/1/14 - 6/30/16

Agency: American Heart Association
I.D.#: Grant-in-Aid, 14GRNT19990019
Title: "Aortic wall morphogenesis and disease: clonal architecture and beta integrins"

P.I.: Daniel Greif, M.D.
Percent effort: 11.5%
Total direct costs for project period: $180,000
Project period: 7/1/14 - 6/30/17

Agency: NIH/NHLBI
I.D.#: 1R01HL125815-01
Title: "Pathological arterial muscularization and the role of integrins."
P.I.: Daniel Greif, M.D.
Percent effort: 35%
Total direct costs for project period: $1,000,000
Project period: 11/17/14 – 10/31/18, 11/1/18 – 10/31/19 NCE

Agency: American Heart Association
I.D.#: National Innovative Research Grant, 15IRG23150002
Title: "Endothelial-smooth muscle cell interactions and OCT4 in pulmonary hypertension"
P.I.: Daniel Greif, M.D.
Percent effort: 11.5%
Total direct costs for project period: $136,363
Project period: 1/1/15 - 12/31/16

Agency: March of Dimes
I.D.#: Gene Discovery and Translational Research Grant, #6-FY15-223
Title: "Specialized arteriole smooth muscle cells: primed to muscularize in pulmonary hypertension?"
P.I.: Daniel Greif, M.D.
Percent effort: effort without salary
Total direct costs for project period: $289,000
Project period: 6/1/15 - 5/31/18

Agency: NIH/NHLBI
I.D.#: 1R01HL133016-01
Title: "Smooth muscle progenitors in vascular remodeling"
P.I.: Daniel Greif, M.D.
Percent effort: 25%
Total direct costs for project period: $1,000,000
Project period: 7/01/16 - 3/31/20

Agency: NIH/NHLBI
I.D.#: R01HL142674
Title: "Vascular disease pathogenesis: the interface of smooth muscle and immune cells"
P.I.: Daniel Greif, M.D.
Percent effort: 25%
Total direct costs for project period: $1,684,847
Project period: 9/01/18 - 6/30/20

Agency: Department of Defense
I.D.#: W81XWH-17-PRMRP-IIRA

Title: "Cell type-specific KLF4 regulation of lung fibrosis"
P.I.: Daniel Greif, M.D. and Erica Herzog, M.D., Ph.D. (co-PI's)
Percent effort: 20%
Total direct costs for project period: $1,350,000
Project period: 9/15/18 - 9/14/21

Agency: NIH/NIA
I.D.#: 1R21AG062202-01
Title: "Aging and clonality in atherosclerosis"
P.I.: Daniel Greif, M.D. and Carlos Fernandez-Hernando, Ph.D. (co-PI's)
Percent effort: 10%
Total direct costs for project period: $275,000
Project period: 1/15/19 – 11/30/20, 12/1/20 – 11/30/21 NCE

Agency: NIH/NHLBI
I.D.#: R01HL142090
Title: "Intimal hyperplasia in cardiac allograft vasculopathy"
P.I.: Kathleen Martin, Ph.D.
Role on Project: Co-I
Percent effort: 5%
Total costs for project period: $2,415,720 (of which $973,500 are indirects)
Project period: 4/01/18 - 1/31/22, 2/1/22 – 1/31/23 NCE

Agency: American Heart Association
I.D.#: Research Supplement to Promote Diversity in Science, 874025
Supplement to Established Investigator Award, 19EIA34660321
Title: "KLF4-mediated pathological muscularization in pulmonary hypertension"
P.I.: Daniel Greif, M.D. / Eunate Gallardo, Ph.D. (postdoctoral fellow)
Percent effort: 0%
Total costs for project period: $144,736
Project period: 01/01/22 – 12/31/23

Agency: American Heart Association
I.D.#: Established Investigator Award, 19EIA34660321
Title: "Mechanisms of reverse vascular remodeling in pulmonary hypertension"
P.I.: Daniel Greif, M.D.
Percent effort: 10%
Total costs for project period: $399,960
Project period: 04/01/19 – 03/31/24

Company: Amgen
P.I.: Daniel Greif, M.D.
Percent effort: 5%
Total costs for project period: $568,710
Project period: 10/8/21 – 12/31/25

C. Pending grants

Agency: National Institute of Health
I.D.#: 2T32HL007950-26A1
Title: "Vascular training grant"

P.I.: Jeffrey Bender, M.D. and Daniel Greif, M.D. (co-PI's)
Percent effort: 5% without salary support
Total costs for project period: $2,657,318 (of which $196,838 are indirects)
Project period: 7/1/26 – 6/30/31

Agency: NIH/NIA
I.D.#: R21AG101308 (Impact score 28, Percentile 8%)
Title: "Vascular smooth muscle aging and the epigenetic clock"
P.I.: Daniel Greif, M.D. and Michael Corley, Ph.D. (co-PI's)
Percent effort: 8%
Total costs for project period: $461,664 (of which $186,664 are indirects)
Project period: 07/01/26 – 06/30/28

Agency: NIH/NHLBI
I.D.#: R01
Title: "SMC cap-to-core transition in the atherosclerotic plaque"
P.I.: Daniel Greif, M.D.
Percent effort: 20%
Total costs for project period: $3,294,849 (of which $1,337,997 are indirects)
Project period: 07/01/26 – 06/30/28

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale

International/National

1. "Building and remodeling the blood vessel wall in development and disease", Cardiovascular Division Lecture, Cornell University, New York, NY, 2009.
2. "Building the blood vessel wall: radial patterning of the developing pulmonary artery", Physiology and Cellular Biophysics Seminar Series, Columbia University, New York NY, 2009.
3. "Building and remodeling the blood vessel wall in development and disease", Cardiology Ground Rounds, University of Chicago, Chicago, IL, 2009.
4. "Building the blood vessel wall: radial patterning of the developing pulmonary artery" McAllister Heart Institute Lecture Series, University of North Carolina, Chapel Hill, NC, 2009.
5. "Building and remodeling the blood vessel wall in development and disease", Molecular Medicine Series Seminar, Tufts University Medical Center, Boston, MA, 2009.
6. "Building and remodeling the blood vessel wall in development and disease", Brigham & Women's Hospital Cardiovascular Division, Boston, MA, 2010.
7. "Building and remodeling the blood vessel wall in development and disease", Vanderbilt University Cardiology, Nashville, TN, 2010.
8. "Constructing and remodeling the vascular wall in development and disease", Sarnoff Foundation for Cardiovascular Research Annual Meeting, Washington, D.C., 2012.
9. "Constructing and remodeling the blood vessel wall in development and disease", National Centre for Biological Sciences, Bangalore, India, 2012.
10. "Tracing the lineage and clonal relationship of cells in the mouse: where did the cells come from, how did they get here and to whom are they related?", Bangalore Benny

Shilo Course in Developmental Biology, National Centre for Biological Sciences, Bangalore, India, 2012.

11. "Constructing the vascular wall", Gordon Research Conference on Elastin, Elastic Fibers & Microfibrils, Biddeford, ME, 2013.
12. "Aortic wall morphogenesis", GenTAC Thoracic Aortic Disease Summit, Baltimore, MD, 2014.
13. ‘‘Polyclonal aortic smooth muscle in development and disease: role of integrin beta3 in hypermuscularization", Frontiers in Cardiovascular Biology, Brigham & Women's Hospital, Boston, MA, 2015.
14. "Sarnoff fellow to scholar to faculty: biology of the vascular wall", Sarnoff Cardiovascular Research Foundation Annual Scientific Meeting, Cambridge, MA, 2015.
15. "Integrin beta3 inhibition is a therapeutic strategy for supravalvular aortic stenosis", Gordon Research Conference on Elastin, Elastic Fibers & Microfibrils, Biddeford, ME, 2015.
16. "Specialized smooth muscle cell progenitors are primed to muscularize in vascular disease", Cardiovascular Research Center, University of Virginia School of Medicine, Charlottesville, VA, 2016.
17. "Smooth muscle in vascular disease: too much of a good thing", Distinguished Lecture, Harrington Discovery Institute and University Hospitals, Cleveland, OH, 2016.
18. "Specialized smooth muscle progenitors and arteriole remodeling in pulmonary hypertension", Keynote Lecture, Pulmonary Hypertension Symposium, European Pediatric Pulmonary Vascular Disease Network, Hannover, Germany, 2016.
19. "Development of the pulmonary circulation: a blueprint for understanding pulmonary vascular diseases", American Thoracic Society, San Francisco, CA, 2016.
20. "Smooth muscle progenitors in vascular remodeling", Cardiovascular Institute, Stanford University, Stanford, CA, 2016.
21. "Pathologies of the arterial wall", Yale-Uppsala-Muenster Vascular Biology Meeting, Schloss Velen, Germany, 2016.
22. "Morphogenesis and pathogenesis of the blood vessel wall", AHA's Arteriosclerosis, Thrombosis and Vascular Biology/Peripheral Vascular Disease Scientific Sessions, Minneapolis, MN, 2017.
23. "Smooth muscle in vascular disease: too much of a good thing", Cardiology Grand Rounds, University of Virginia School of Medicine, Charlottesville, VA, 2017.
24. "Smooth muscle in vascular disease: too much of a good thing", Cardiology Grand Rounds, University of Maryland School of Medicine, Baltimore, MD, 2017.
25. "Smooth muscle cell progenitors and pulmonary hypertension", 8th International Symposium on Etiology and Morphogenesis on Congenital Cardiovascular Disease, Matsue, Japan, 2017.
26. "SMC Lineage in Atherosclerosis", AHA Scientific Sessions, Anaheim, CA, 2017.
27. "Clonal expansion of SMC progenitors in vascular disease", Karolinska Institute, Stockholm, Sweden, 2018.
28. "SMC clonal expansion in vascular disease", Yale-Uppsala-Muenster Vascular Biology Meeting, Visby, Sweden, 2018.
29. "Clonal expansion of SMC progenitors in vascular disease", Division of Cardiovascular Sciences Research Seminar, University of Manchester, Manchester, England, 2018.
30. "Mural cells in vascular disease", Glasgow Caledonian University, Life Sciences Seminar Program, Glasgow, Scotland, 2018.
31. "Smooth muscle cells", European Atherosclerosis Society, Advanced Course on Atherosclerosis - Dyslipidemia and Inflammation, Vienna, Austria, 2018.

32. “Smooth muscle cell progenitors: regulation, fate and clonality in vascular disease”, Imperial College, London, England, 2018.
33. “Mural cells in vascular disease”, Cardiovascular Research Seminar Series, Beth Israel Deaconess Medical Center, Boston, MA, 2019.
34. “Mural cells in vascular development and disease”, Department of Cell Biology & Physiology Seminar Series, Washington University, St Louis, MO, 2019.
35. “Polyclonal aortic smooth muscle in development and disease: integrin beta3 as a target in elastin aortopathy”, NIH Workshop on Heart and Soul, Brain, Behavior, and Cardiovascular Gene Dosage Effects in 7q11.23 and 22q11.2 Copy Number Variations, Bethesda, MD, 2019.
36. “Pulmonary vascular wall in development and disease”, Stanford University Single Ventricle Scientific Summit, Stanford, CA, 2019.
37. “Vascular mural cells in development and disease”, Cardiovascular Institute, University of Pennsylvania, Philadelphia, PA, 2019.
38. “Vascular mural cells in development and disease”, Basic Science and Engineering Program, Stanford University, Stanford, CA, 2019.
39. “SMC clonal expansion: a common theme in vascular pathologies”, Gordon Research Conference on Atherosclerosis, Sunday River, ME, 2019.
40. “Notch-mediated hypermuscularization in elastin aortopathy”, Gordon Research Conference on Elastin, Elastic Fibers and Microfibrils, Hooksett, NH, 2019.
41. North American Vascular Biology Organization Webinar/Discussion: “Pericyte ALK5/TIMP3 Axis Contributes to Endothelial Morphogenesis in the Developing Brain”, Virtual, 2020.
42. “Epigenetic-mediated Notch pathway activation promotes elastin aortopathy”, North American Vascular Biology Organization Developmental Vascular Biology and Genetics Workshop, Virtual, 2021.
43. “Pathological muscularization: a SMC journey down the pulmonary arteriole”, Keynote Lecture, Retreat of Collaborative Research Center on Pulmonary Hypertension and Cor Pulmonale, Geissen, Germany, 2021.
44. “Pathological muscularization in pulmonary hypertension”, Distinguished Researcher Lecture, Basic Research in Pulmonary Hypertension Symposium, Japanese Circulation Society 86th Annual Scientific Meeting, Japan, 2022.
45. “Smooth muscle cell pathobiology in cardiovascular disease”, Laboratory Medicine & Pathobiology Dept Seminar, University of Toronto, Toronto, Canada, 2022.
46. “Bone marrow age dictates clonality of smooth muscle cells in the atherosclerotic plaque”, Basic and Translational Research Seminar Series, Ohio University, Athens, OH, 2022.
47. “Age of the bone marrow dictates clonality of smooth muscle cells in the atherosclerotic plaque”, Vascular Biology Seminar Series, University of California Los Angeles, Los Angeles, CA, 2022.
48. “Smooth muscle cell pathobiology in cardiovascular disease”, North American Vascular Biology Organization Vasculata, Duke University, Durham, NC, 2022.
49. “Age of the bone marrow dictates clonality of smooth muscle cells in the atherosclerotic plaque ”, Vascular Biology Center Seminar, Medical College of Georgia at Augusta University, Augusta, GA, 2022.
50. “Vascular disease and aging: rise of the smooth muscle cell clones”, SUNY, Downstate Health Sciences University, Brooklyn, NY, 2022
51. “Role of Sphingosine Kinase 1 in Defective Elastin-Induced Hypermuscularization”, Gordon Research Conference on Elastin, Elastic Fibers and Microfibrils, Manchester, NH, 2023.

52. "Vascular disease: rise of the smooth muscle cell clones", Yale-Uppsala-Muenster Vascular Biology Meeting, Kronberg, Germany, 2023.
53. "Pluripotency factors in the lung's response to injury", Institute of Lung Health, Justus Liebig Universität, Giessen, Germany, 2023
54. "Vascular disease: rise of the smooth muscle cell clones", Centro Nacional De Investigaciones Cardiovasculares, Madrid, Spain, 2023
55. "Pluripotency factors in myofibroblast progenitors are critical for pulmonary fibrosis", Meeting of Current Trends in Biomedicine: the Cellular and Metabolic Bases of Organ Fibrosis, Baeza, Spain 2023
56. "Vascular disease dynamics: rise and fall of the SMC clones", Cardiovascular Seminar Series, Saha Cardiovascular Research Center, University of Kentucky, Lexington, KY, 2024
57. "Vascular disease dynamics: rise and fall of the SMC clones", Cardiovascular Seminar Series, Wilf Family Cardiovascular Research Institute, Albert Einstein College of Medicine, New York, NY, 2024
58. "Defective Elastin-Induced Aortic Hypermuscularization", Meeting of Leducq Investigators Network on Aortic Dissection, New Haven, CT, 2025
59. "Pulmonary vascular dynamics: rise and fall of SMC clones", Cardiovascular Research Center Seminar Series, University of Virginia, Charlottesville, VA, 2026
60. "TBD", Annual Meeting of North American Vascular Biology Organization and Microcirculatory Society, Monterey, CA, 2026

Regional

1. "Constructing and remodeling the pulmonary arterial wall in development and disease" Karos Pharmaceuticals, New Haven, CT, 2013.

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale

International/National

1. **Greif DM**, Goetz DJ, Luscinskas FW. P-selectin glycoprotein ligand-1 mediates attachment and rolling on activated vascular endothelium under flow. Sarnoff Endowment for Cardiovascular Science Annual Meeting. Washington, D.C., 1996 (Oral presentation).
2. **Greif DM**, Goetz DJ, Luscinskas FW. Isolated P-selectin glycoprotein llgand-1 adhesion to P- and E-selectin under flow. American Association of Immunologists Annual Joint Meeting. San Francisco, CA,1997 (Oral presentation).
3. **Greif DM,** Michel T. Calmodulin phosphorylation and modulation of eNOS catalysis. American Heart Association Scientific Sessions. Orlando, FL, 2003 (Oral presentation).
4. **Greif DM,** Krasnow MA. Morphogenesis of the pulmonary artery smooth muscle cell layer. Sarnoff Foundation for Cardiovascular Research Annual Meeting. Washington, D.C., 2007 (Oral presentation).
5. **Greif DM,** Krasnow MA. Building the blood vessel wall: radial patterning of the developing pulmonary artery. Sarnoff Foundation for Cardiovascular Research Annual Meeting. Washington, D.C., 2009 (Oral presentation).
6. **Greif DM,** Krasnow MA. Radial construction of an arterial wall. North American Vascular Biology Organization, Biology of Signaling in the Cardiovascular System Workshop II, Hyannis, MA, 2012 (Oral presentation).

7. **Greif DM.** Novel smooth muscle cell progenitors are primed to muscularize in disease. Springer Junior Investigator Award Lecture, North American Vascular Biology Organization, Biology of Signaling in the Cardiovascular System Workshop IV. Hyannis, MA, 2015 (Oral presentation).

PROFESSIONAL SERVICE

Peer Review Groups/Grant Study Sections:

2011-13 Standing Reviewer, American Heart Association's Molecular Signaling 4 Peer Review Study Group
2012 Ad Hoc Reviewer, Wellcome Trust Research Grants
2013 Ad Hoc Reviewer, NIH/NHLBI K99/R00, K22 Grants, Special Emphasis Panel
2014-15 Standing Reviewer, VA Merit Award Proposals (Cardiology B; Vascular Disease)
2015 Ad Hoc Reviewer, NIH/NHLBI Mentored Clinical and Basic Science Review Committee (K01, K08, K23, K24, K99/R00 Grants)
2016-17 Ad Hoc Reviewer, Fondation pour la Recherche Médicale Proposals
2017 Ad Hoc Reviewer, NIH Study Section, Vascular Cell & Molecular Biology
2018 Ad Hoc Reviewer, NIH/NHLBI Review Panel for PPG
2019 Ad Hoc Reviewer, NIH Study Section, Atherosclerosis and Inflammation of the Cardiovascular System
2019 Ad Hoc Reviewer, March of Dimes, Novel Discovery Grants, Letters of Intent
2019 Reviewer, American Heart Association, Established Investigator Awards
2021 Ad Hoc Reviewer, Fondation pour la Recherche sur les Accidents Vasculaires Cérébraux (French Stroke Research Foundation)
2021 Ad Hoc Site Visit Reviewer, NHLBI Board of Scientific Counselors
2022 Reviewer, AHA, Established Investigator Awards, Letters of Intent
2022 Reviewer, NIH Neuroscience Special Emphasis Panel on "The Blood-Brain Barrier, Neurovascular System and CNS Therapeutics"
2025 Ad Hoc Reviewer, NIH Study Section, Atherosclerosis and Vascular Inflammation
2026 Reviewer, NIH F30, 31, 32 Fellowship Special Emphasis Panel

Journals:

Guest Associate Editor

2023-24 Research Topic: Vascular Mural Cells and Fibroblasts in Development and Disease, *Frontiers in Cardiovascular Medicine*

Editorial Board

2020-2022 Member, *FASEB Journal*
2025- Member, *Vascular Pharmacology*

Reviewer

Nature, Nature Aging, Nature Review Cardiology, Science Translational Medicine, Journal of Clinical Investigation, Developmental Cell, Development, Cell Reports, Scientific Reports, Circulation, Circulation Research, FASEB Journal, Hypertension, *Free Radical Research, BioMed Central Genomics, Arteriosclerosis, Thrombosis and Vascular Biology, Cell Death and Disease.*

Service for Professional Organizations

Sarnoff Cardiovascular Research Foundation

1995-present Member, Society of Fellows

2018-present Member, Scientific Committee
2020 Member, Annual Scientific Meeting Planning Committee
2021-present Member, Diversity Task Force Member
2021-2022 Vice Chair, Scientific Committee
2022-2023 Chair, Scientific Committee

North American Vascular Biology Organization (NAVBO)
1997-present Member
2016-19 Member, Education Committee
2020 Moderator, Vascular Biology 2020 Meeting, Session on Acute Neurovascular Inflammation: Stroke; Poster Judge
2020-23 Member, Leadership Council
2022-present Mentor, Vascular Network Program

Ines Mandl Research Foundation
2024-present Board Member and Grant Reviewer

Yale University Service
2017-18 Member and Diversity Officer, Open Faculty Search Committee in Department of Genetics, Yale University School of Medicine
2021-present Co-director, Yale Cardiovascular Research Center
2022-23 Member and Diversity Officer, Faculty Search Committee, Yale Cardiovascular Research Center, Cardiology Division, Department of Medicine, Yale University School of Medicine

PUBLIC SERVICE
1992-1997 Organizer and Volunteer, UCSF Student-run Homeless Clinic
2000-2020 Volunteer, Glide Church in SF, CA - each Christmas serve meals to the hungry
2011-2020 Coach boys and girls recreation basketball, soccer, baseball in Guilford, CT
2012 Yale day of service, helped paint homeless shelter in New Haven (10/13/12)
2013-14 Volunteer, Dan Cosgrove animal shelter in Branford, CT
2015 Volunteer, led teenagers in cooking for soup kitchen in Branford, CT (4/19/15)
2015 Volunteer, helped feed hungry on Thanksgiving at church in Old Saybrook, CT
2017 Co-organize Legomania, fundraiser for Calvin Leete public school, Guilford, CT
2018 Volunteer, made lasagna for refugees at JCC in Woodbridge, CT (3/18/18)
2018, 19 Volunteer, cooked pancakes at fundraisers, Interact Club, Guilford, CT
2019 Volunteer, prepared food for Thanksgiving at soup kitchen in New Haven, CT
2021 Volunteer, cooking in soup kitchen in Branford, CT
2021-present Volunteer, deliver food to needy with Meals-on-Wheels in Guilford, CT

PATENTS
1. W. Mark Saltzman, **Daniel Greif**, Aglaia Ntokou, Amy Kauffman, Poly(amine-co-ester) polymeric particles for selective pulmonary delivery, US Provisional application, 63/057,626, filed in US Patent & Trademark Office on July 28, 2020.

BIBLIOGRAPHY:

Peer-Reviewed Original Research

1. Goetz, DJ[+], **Greif, DM**[+], Ding, H, Camphausen, RT, Howes, S, Comess, KM, Snapp, KR, Kansas, GS, Luscinskas, FW. Isolated PSGL-1 dynamic adhesion to P- and E-selectin. Journal of Cell Biology 1997; 137(2): 509-519. ([+]Co-first authors) PMID: 9128259, PMCID: PMC2139768 , DOI: 10.1083/jcb.137.2.509

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Scholarship in Press
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