

David Gregg IV

Office Address:

135 Rutledge Ave, Suite 1201
Charleston, SC 29425

Phone: 843-792-3355 Fax: 843-792-7771

Education:

Middlebury College, Vermont	1990-1995	BA	Literary Studies-Classical Greek
Columbia College of Physicians & Surgeons, New York	1995-1999	MD	Medicine

Internship:

Internal Medicine Duke University, North Carolina 7/1999-7/2000

Residencies or Post Doctoral:

Internal Medicine	Duke University, North Carolina	7/2000-7/2001
Internal Medicine- Clinical Investigator	Pathway Duke University, North Carolina	7/2001-7/2003
Cardiovascular Disease	University of California-San Francisco	7/2003-7/2006

Specialty/Board Certification:

Internal Medicine	2003
Cardiovascular Disease	2006

Licensure:

South Carolina	expires 12/31/07
California	6/04/03-6/30/07
North Carolina	6/99-06/29/03

Faculty Appointments:

Assistant Professor of Medicine

Membership in professional/scientific societies (include offices held):

2003-present	American Heart Association
2003-present	American College of Cardiology
2005-present	International Society of Adult Congenital Cardiac Disease
2006-present	Adult Congenital Heart Association

Extramural Grants/award amount:

NIH Pre-doctoral Training Grant
NIH Post-Doctoral Training Grant

Awards, Honors, Membership in Honorary Societies:

Magna Cum Laude, Middlebury College
Phi Beta Kappa, Middlebury College

Major Teaching Responsibilities:

Instructor, Cardiac Organ Block section, University of California-San Francisco, 2004-2006

Major Clinical Interests and Responsibilities:

Adult Congenital Heart Disease
Echocardiography
Non-Invasive Cardiology

Lectures and Presentations:

Invited lectures and presentations

1. Complex Congenital Disease: It is the Details. Bay Area Adult Congenital Heart Disease Meeting. San Francisco 2006
2. Congenital Heart Disease. UCSF Adult Congenital Meeting. 2006.
3. Adult Congenital Heart Disease: Challenges and Future Directions. Medical University of South Carolina Cardiology Grand Rounds. 2005

Submitted presentations

1. Weeks S, **Gregg D**, Patel N, Lee B, Foster E. Interobserver Variability and the Correlation of Vena Contracta in the Assessment of Tricuspid Regurgitation by Echocardiography. American Society of Echo 2006 (abstract)
2. **Gregg D**, Lopes N, Goldschmidt-Clermont P. Simvastatin Augments Rac Activation of Akt Signaling and Inhibits Endothelial Apoptosis by Modifying Subcellular Localization. ACC 2004. (Oral abstract presentation)
3. Kunz G, Liang G, Cuculoski F, **Gregg D**, Vata K, Shaw L, Goldschmidt-Clermont P, Dong C, Taylor D, Peterson E. Circulating Endothelial Progenitor Cells Predict Coronary Artery Disease Severity. ACC 2004. (abstract)
4. Rauscher FM, Selvakumar B, Lopes N, Ma Q, **Gregg D**, Dong C, Goldschmidt-Clermont PJ. Vascular Rac1 Activity Accelerates Atherosclerosis Progression Through Superoxide Production. AHA 2002 (abstract)
5. Rauscher FM, Goldschmidt-Clermont PJ, Ramsawami, Davis BH, Pippen AM, **Gregg D**, Annex B, Dong C, Wang T, Taylor D. Vascular Progenitor Cell Therapy Attenuates Atherosclerosis by Vascular Rejuvenation. AHA 2002 (abstract)
6. Wang H, Yan B, **Gregg D**, Goldschmidt-Clermont P. Changes in Expression Profiling Resulting from Alpha11bBeta3 and Its Polymorphism Suggests a Role in Apoptosis and Differentiation of Hematopoietic Cells. American Society of Hematology 2002 (abstract).
7. **Gregg D**, Hassanain H, Marcelo M, Selvakumar B, Rauscher FM, Sarker KD, Ma Q, Lopes N, Khouri S, Binkley PF, Strauch AR, Su B, Flavahan NA, Nuovo GJ, Dong C, Morris M, Goldschmidt-Clermont PJ. Smooth Muscle expression of a Constitutively Active Rac1 Transgene Results in Superoxide Dependent Hypertension and Vascular Hypertrophy. Hypertension 2002, 40 (Oral abstract presentation)

8. **Gregg D**, Taylor D, Ma L, Lopes N, Rockman H, Goldschmidt-Clermont PJ, Wang T. Murine Cryoinfarction: A reproducible model of post-infarct hypertrophy and dilation. 8th World Congress on Heart Failure-Mechanisms and Management-International Academy of Cardiology. July 2002. (abstract)

Extramural Professional Activities:

- 2003-present **Practical Reviews Cardiology**, Contributor
- 2006 **EchoSAP**, Contributor

Publications:

Peer Reviewed Journal Articles:

1. Hasssanain HH, **Gregg D**, Marcelo ML, Zweier JL, Souza HP, Selvakumar B, Ma Q, Moustafa-Bayoumi M, Binkley PF, Flavahan NA, Morris M, Dong C, Goldschmidt-Clermont PJ. Hypertension Caused by Transgenic Overexpression of Rac1. Antioxidant and Redox Signaling. 2007 Jan;9(1) 91-100.
2. Kunz GA, Liang G, Cuculoski, Gregg Dm Vata KC, Shaw LK, Goldschmidt-Clermont PJ, Dong C, Taylor DA, Peterson ED. Circulating Endothelial Progenitor Cells Predict Coronary Artery Disease Severity. American Heart Journal. 2006 Jul;152(1):190-5.
3. **Gregg D**, deCarvalho D, Kovacic H. Integrins and Coagulation; A Role for Ros/Redox Signaling. Antioxidant and Redox Signaling. 2004 Aug; 6 (4):757-64.
4. **Gregg D**, Rauscher FM, Goldschmidt-Clermont PJ. Rac Regulates Cardiovascular Superoxide through Diverse Molecular Mechanisms: More than a Simple GTP Binding Switch. AJP-Cell Physiology. 2003 Oct; 285(4):C723-34.
5. Lopes N*, **Gregg D***, Vasudevan SS, Hassanian H, Goldschmidt-Clermont PJ, Kovacic H. Thrombospondin 2 Regulates Cell Proliferation Induced by Rac1 Redox-Dependent Signaling. Mol Cell Biol. 2003 Aug; 23(15):5401-8. *equally contributing authors
6. Rauscher FM, Goldschmidt-Clermont PJ, Wang T, Davis BH, **Gregg D**, Ramiswami PJ, Pippen A, Annex BA, Dong C, Taylor DA. Aging, Progenitor Cell Exhaustion, and Atherosclerosis. Circulation. 2003 Jul 29;108(4):457-63.
7. Lopes N, Vasudevan, SS, **Gregg D**, Selvakumar B, Pagano PJ, Kovacic H, Goldschmidt-Clermont PJ. Rac-Dependent Monocyte Chemoattractant Protein-1 is Induced by Nutrient Deprivation. Circ Res. 2002. 91:798-805.
8. Morales D, **Gregg D**, Helman D, Williams M, Argenziano M, Landry D., & Oz M. Arginine Vasopressin in the Treatment of 50 Patients with Postcardiotomy Vasodilatory Shock . *Annals of Thoracic Surgery*. 69(1):102-6.January 2000.

Peer Reviewed Electronic Publications:

1. **Gregg D** and Goldschmidt-Clermont PJ. Platelets and Cardiovascular Disease. *Circulation* 2003 Sep 30;108(13):e88-90.