

Curriculum Vitae

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Education

M.S., University of Colorado, Boulder, CO
Kinesiology and Applied Physiology. Dec. 2001

B.A., University of Colorado, Boulder, CO
Kinesiology. May, 1999

Professional Experience

2001- Present, Professional Research Assistant, Integrative Vascular Biology Laboratory, Department of Integrative Physiology, University of Colorado, Boulder, CO.

1999-2001. Research Assistant, Integrative Vascular Biology Laboratory, Department of Kinesiology and Applied Physiology, University of Colorado, Boulder, CO.

1992-2001, Shift Manager, Good Times Drive Thru, Boulder, CO.

Professional Memberships

2001 American College of Sports Medicine
2002 American Physiological Society

Abstracts/Publications

Blackett, S.D., D.T. Smith, **J.J. Greiner**, Y.G. Casas, H. Tanaka, D.R. Seals, and C.A. DeSouza. Greater endothelium-dependent vasodilation in endurance-trained vs. sedentary postmenopausal women. *The Physiologist*. 43: 349, 2000. Presented at APS Intersociety Meeting: The Integrative Biology of Exercise; Portland, Maine, 2000.

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Hoetzer, G.L., B.L. Stauffer, **J.J. Greiner**, Y.G. Casas, D.T. Smith, and C.A. DeSouza. Impaired endothelial vasodilator response to muscarinic but not β -adrenoreceptor stimulation in older men. *The FASEB Journal*. 15:886.8, 2001.

Greiner, J.J., S.D. Blackett, Y.G. Casas, G.L. Hoetzer, D.T. Smith, K.L. Moreau, B.L. Stauffer and C.A. DeSouza. Nitric oxide bioavailability and hormone replacement therapy in postmenopausal women. *The FASEB Journal*, 2002

Smith, D.T., **J.J. Greiner**, G.L. Hoetzer, S.D. Balckett, Y.G. Casas, B.L. Stauffer, and C.A. DeSouza. Greater endothelial release of tissue Plasminogen activator in endurance-trained vs. sedentary middle-aged and older men. *Medicine and Science in Sports and Exercise* 33:S270, 2001

Hoetzer, G.L., B.L. Stauffer, **J.J. Greiner**, Y.G. Casas, D.T. Smith, and C.A. DeSouza. Hormone replacement therapy and endothelial t-PA release in vivo. Presented at the 2002 Hartford/Jahnigen Center of Excellence in Geriatrics Research Forum in Denver, CO.

Hoetzer, G.L., D.T. Smith, **J.J. Greiner**, M. Ng, Y. Casas, B.L. Stauffer, and C.A. DeSouza. Influence of oral contraception on endothelial release of tissue-type Plasminogen activator in vivo. *The FASEB Journal*, 2002

Smith, D.T., **J.J. Greiner**, G.L. Hoetzer, Y. Casas, B.L. Stauffer, and C.A. DeSouza. Capacity of the vascular endothelium to release tissue-type Plasminogen activator declines with age in healthy adult humans. *The FASEB Journal*, 2002

Irmiger H.M., G.L. Hoetzer, D.T. Smith, M. Ng, Y. Casas, **J.J. Greiner**, B.L. Stauffer, C.A. DeSouza. Regular exercise improves endothelium-dependent vasodilation in obese adults. To be presented at the 2003 Experimental Biology annual meeting in San Diego, CA.

Vance, J., D.T. Smith, G.L. Hoetzer, **J.J. Greiner**, B.L. Stauffer, C.A. DeSouza. Capacity of the vascular endothelium to release t-PA: Effect of gender. To be presented at the 2003 Experimental Biology annual meeting in San Diego, CA.

Ng, M., D.T. Smith, G.L. Hoetzer, H.M. Irmiger, **J.J. Greiner**, Y. Casas, B.L. Stauffer, C.A. DeSouza. Lack of an age-related increase in plasma C-reactive protein in endurance-trained men. To be presented at the 2003 American College of Sports Medicine annual meeting in San Francisco, CA.

Stauffer, B.L., G.L. Hoetzer, D.T. Smith, **J.J. Greiner**, Y. Casas, C.A. DeSouza. Influence of age and sex on the capacity of the endothelium to release tissue-type plasminogen activator. *Circ*, 108(Suppl. IV): IV-190, 2003. Presented at the 2003 AHA annual meeting, Orlando, FL.

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Van Guilder, G.P., Hoetzer, G.L., **Greiner, J.J.**, Casas, Y.G., Irmiger, H.M., Stauffer, B.L., and DeSouza, C.A. Impaired endothelial fibrinolytic capacity with obesity is associated with oxidative stress. *Arteriosclerosis, Thrombosis and Vascular Biology*, 2004: 61.

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Keith, RS, Westbrook, KM, Hoetzer, GL, Van Guilder, GP, **Greiner, JJ**, Irmiger, HM, Stauffer, B.L., DeSouza, C.A. Effects of Vitamin C Supplementation on Inflammatory Biomarkers in Obese Adults. Presented at the annual American Diabetes Association Conference, 2004; Chicago, IL.

Hoetzer GL, Irmiger H.M., Van Guilder G.P., Keith R.S., **Greiner J.J.**, Stauffer B.L., DeSouza C.A. Beneficial effects of exercise on age-related reductions in endothelial progenitor cell number and migratory activity. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 25(5) e50: 2005.

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Van Guilder GP, GL Hoetzer, **JJ Greiner**, HM Irmiger, BL Stauffer, and CA Desouza. Influence of the metabolic syndrome on endothelial t-PA release in obese adults. Obesity Research Program Abstract Supplement, September 2005; 13: A125.

GP Van Guilder, GL Hoetzer, **JJ Greiner**, BL Stauffer and CA DeSouza. Influence of the Metabolic Syndrome on Endothelium-Dependent Vasodilation in Obese Adults. Metabolic Syndrome/Metabolic Risks: Implications for diabetes and cardiovascular risk reduction symposia, May 3-5, 2006, San Francisco CA, P-11, page 57

Erich J. Kushner, Richard G. Morgan, Jennifer N. Cech, Christian M. Westby, **Jared J. Greiner**, Brian L. Stauffer, Christopher A. DeSouza. Aging is associated with a proapoptotic endothelial progenitor cell phenotype. *Arterioscler Thromb Vasc Biol.* 2008;28:e140.

Owen J. MacEneaney, Erich J. Kushner, Jennifer N. Cech, Christian M. Westby, **Jared J. Greiner**, Brian L. Stauffer, Christopher A. DeSouza. Influence of adiposity on endothelial progenitor cell number and clonogenic capacity. *Arterioscler Thromb Vasc Biol.* 2008;28:e145.

Gary P. Van Guilder, Owen J. MacEneaney, Christian M. Westby, Erich J. Kushner, **Jared J. Greiner**, Brian L. Stauffer, Christopher A. DeSouza. Prehypertension and endothelial progenitor cell function. *Arterioscler Thromb Vasc Biol.* 2008;28:e146.

Manuscripts

DeSouza, C.A., C.M. Clevenger, **J.J. Greiner**, D.T. Smith, G.L. Hoetzer, L.F. Shapiro and B.L. Stauffer. Evidence for agonist-specific endothelial vasodilator dysfunction with ageing in healthy humans. *Journal of Physiology* (2002), 542.1, pp. 255-262.

Smith, D.T., G.L. Hoetzer, **J.J. Greiner**, B.L. Stauffer, C.A. DeSouza. Effects of ageing and regular aerobic exercise on endothelial fibrinolytic capacity. *Journal of Physiology (London)*, 546.1: 289-293, 2003.

Hoetzer, G.L., B.L. Stauffer, **J.J. Greiner**, Y. Casas, D.T. Smith, C.A. DeSouza. Influence of oral contraceptive use on endothelial t-PA release in healthy premenopausal women. *American Journal of Physiology Endocrinology and Metabolism*, 284(1): E90-95, 2003.

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Van Guilder GP, Hoetzer GL, **Greiner JJ**, Stauffer BL, Desouza CA. Influence of metabolic syndrome on biomarkers of oxidative stress and inflammation in obese adults. *Obesity* (Silver Spring). 2006 Dec;14(12):2127-31.

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Van Guilder GP, BL Stauffer, **JJ Greiner**, and CA DeSouza. Impaired endothelium-dependent vasodilation in overweight and obese adult humans is not limited to muscarinic receptor agonists
Am J Physiol Heart Circ Physiol 294: H1685-H1692, 2008.

Van Guilder GP, Hoetzer GL, **Greiner JJ**, Stauffer BL, DeSouza CA. Metabolic syndrome and endothelial fibrinolytic capacity in obese adults. *Am J Physiol Regul Integr Comp Physiol*. 2008 Jan;294(1):R39-44.

Van Guilder GP, Hoetzer GL, **Greiner JJ**, Stauffer BL, DeSouza CA. Acute and chronic effects of vitamin C on endothelial fibrinolytic function in overweight and obese adult humans. *J Physiol*. 2008; 586(14): 3525-3535.