

Sara J. Runge

West Coast Vascular
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Ventura, CA 93003
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Medical Education:

7/2014 – 6/2016 University of Florida, Vascular Surgery Fellowship
6/2007 – 6/2014 University of California, San Francisco, General Surgery Resident
8/2003 – 5/2007 University of Minnesota Medical School, M.D.

Premedical Education:

9/1999 – 5/2003 Gustavus Adolphus College
St. Peter, Minnesota
B.A. in Biochemistry and Chemistry

Licensure and Certification:

2015 – present Registered Physician in Vascular Interpretation
2014 – present American Board of Surgery, General Surgery

Honors and Awards:

2013 PVD Travel Award to attend Arteriosclerosis, Thrombosis, and Vascular Biology 2013 Scientific Sessions
2010 – 2013 Ruth L. Kirschstein National Research Service Award (NRSA)
2010 – 2012 American College of Surgeons Resident Research Scholarship
2010 – 2011 Peripheral Vascular Surgery Society Resident Award
2006 Maynard and Elaine Jacobsen Travel Award for medical School Elective in Norway
2004 Minnesota Medical Foundation Grant
2001 – 2002 NIH Cancer Research Training Award
2002, 2003 National Science Foundation Grant
2003 Summa Cum Laude, Gustavus Adolphus College

Professional Societies:

Society for Vascular Surgery
Southern Association for Vascular Surgery
American College of Surgeons

Laboratory Work:

2010 – 2012 Studying the genetic modulation of vascular smooth muscle cell phenotype and intimal hyperplasia with Michael Conte, MD, University of California, San Francisco.
2006 Wrote a case series titled “Should One be Skeptical of New PET/CT Positive Mediastinal Lymph Nodes Post-Chemoradiation?” with Michael Maddaus, MD, University of Minnesota. Publication in J Thorac Cardiovasc Surg.

- 2004-2007 Designed a prospective randomized trial at the Minneapolis Veterans Affairs hospital titled "Chest Tube Removal on Post-Operative Day One or Day Two: Does it Lead to a Shorter Hospital Stay for Coronary Artery Bypass and Valve Replacement Patients?" with Herbert Ward, MD, PhD, and Rosemary Kelly, MD, University of Minnesota. Funded by Minnesota Medical Foundation
- 2003 Developed a Q-PCR assay for the adrenal secretory protease (AsP) that cleaves the ACTH precursor, pro-opiomelanocortin (POMC) with Brett Levay-Young, PhD and William Engeland, Ph.D, University of Minnesota. Funded by National Science Foundation.
- 2002 Generated expression vectors containing the MC-2 receptor of the adrenal gland and examined for regulation by hormone and influence on cAMP production with Brett Levay-Young, Ph.D and William Engeland, Ph.D, University of Minnesota. Funded by National Science Foundation.
- 2002 Synthesized fluorinated phosphide reagents catalyzed by hafnium (IV) salts with Brian O'Brien, Ph.D, Gustavus Adolphus College.
- 2001 – 2002 Generated expression vectors to determine that amino acid 482 is the site of substrate specificity in the ATP-Binding Cassette Transporter MXR with Susan Bates, MD, National Institutes of Health. Publication in Br J Cancer. Funded by NIH Cancer Research Training Award.
- 2001 Generated expression vectors to analyze the DNA-binding subunits of bacterial type II topoisomerases with Hiroshi Hiasa, PhD, University of Minnesota.

Publications:

- 2016 Scali ST, **Runge SJ**, Feezor RJ, Giles KA, Fatima J, Berceli SA, Huber TS, Beck AW. Outcomes after EVAR conversion and primary aortic repair for urgent and emergent indications in the Society for Vascular Surgery Vascular Quality Initiative. J Vasc Surg. Accepted for publication.
- 2013 Vartanian SM, Johnston PC, Walker JP, **Runge SJ**, Eicher CM, Reily LM, Hiramoto JS, Conte MS. Clinical consequence of bare metal stent and stent graft failure in femoropopliteal occlusive disease. J Vasc Surg. 2013 Dec; 58(6):1525-31.
- 2013 Miyahara T, **Runge S**, Chatterjee A, Chen M, Mottola G, Fitzgerald JM, Serhan CN, Conte CS. D-series resolvins attenuate vascular smooth muscle cell activation and neointimal hyperplasia following vascular injury. FASEB J. 2013 Jun; 27(6):2220-32.
- 2012 Johnston PC, Vartanian SM, **Runge SJ**, Reilly LM, Hiramoto JS, Eichler CM, Owens CD, Schneider DB, Conte MS. Risk factors for clinical failure following stent-graft treatment for femoropopliteal occlusive disease. J Vasc Surg. 2012 Oct;

- 56(4):998-1006.
- 2012 Gasper WJ, **Runge SJ**, Owens CD. Management of infrapopliteal peripheral arterial occlusive disease. *Curr Treat Options Cardiovasc Med.* 2012 Apr;14(2):136-48.
- 2007 Whitson BA, **Runge SJ**, Maddaus MA. Skepticism with New Positron Emission Tomography Positive Mediastinal Lymph Nodes After Adjuvant Treatment of Gynecologic Malignancies. *J Thorac Cardiovasc Surg.* 2007 May;133(5):1385-6.
- 2003 Robey RW, Honjo Y, Morisaki K, Nadjem TA, **Runge S**, Risbood M, Poruchynsky MS, Bates SE. Mutations at amino-acid 482 in the ABCG2 gene affect substrate and antagonist specificity. *Br J Cancer.* 2003 Nov 17;89(10):1971-8.

Presentations:

- 2015 **Runge SJ**, Scali ST, Feezor RJ, Giles KA, Fatima J, Chang CK, Berceci SA, Huber TS, Beck AW. Outcome Prediction of Non-elective EVAR Conversion and Primary Aortic Repair in the Society for Vascular Surgery Vascular Quality Initiative. Oral presentation at Florida Vascular Society, April 2015.
- 2013 **Runge S**, Chen M, Chatterjee A, Miyahara T, Akagi D, Conte MS. Role of Mitochondrial Heat-Shock Protein 90 (HSP90) in Regulation of Vascular Smooth Muscle Cell (VSMC) Apoptosis and Vascular Remodeling In-Vivo. Poster presentation at Arteriosclerosis, Thrombosis, and Vascular Biology 2013 Scientific Sessions, May 2013.
- 2013 **Runge S**, Chen M, Chatterjee A, Miyahara T, Akagi D, Conte MS. Role of Mitochondrial Heat-Shock Protein 90 (HSP90) in Regulation of Vascular Smooth Muscle Cell (VSMC) Apoptosis and Vascular Remodeling In-Vivo. Oral presentation at Vascular Research Initiatives Conference, May 2013.
- 2006 **Runge SJ**, Whitson B, Maddaus MA. Should One be Skeptical of New PET/CT Positive Mediastinal Lymph Nodes Post-Chemoradiation? University of Minnesota Department of Surgery, Section of Thoracic and Foregut Surgery. Presented at Minnesota Surgical Society Annual Meeting, Sept 2006.
- 2005 **Runge SR**, Kuskowski M, McFalls E, Johnson D, Kelly R, Adabag S, Ward H. Chest Tube Removal on Post-Operative Day One Versus Day Two: Does it Lead to a Shorter Hospital Stay for Coronary Artery Bypass and Valve Replacement Patients? Division of Cardiology and Cardiothoracic Surgery, Veterans Affairs Medical Center, Minneapolis, Minnesota 55417, USA. Presented at Minnesota Surgical Society Annual Meeting, Sept 2005.