

Peter Richard Nelson, MD, MS, FACS

Curriculum Vitae

CURRENT POSITION

Associate Professor of Surgery
Associate Professor of Molecular Pharmacology and Physiology
University of South Florida Morsani College of Medicine

Staff Vascular Surgeon, Surgical Service
Associate Investigator, Center of Innovation on Disability and Rehabilitation Research (CINDRR)
James A. Haley Veterans Hospital

CONTACT INFORMATION

Work: James A. Haley Veterans Hospital
Surgical Service
13000 Bruce B. Downs Boulevard (V112)
Tampa, FL 33612
Tel. (813) 972-2000 X3673
peter.nelson@va.gov

EDUCATION

1980 – 1984 FRAMINGHAM NORTH HIGH SCHOOL, Framingham, MA

1984 – 1988 TUFTS UNIVERSITY, Medford, MA
Bachelor of Science Degree in Biology and Classics
Summa Cum Laude

1988 – 1992 UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, Worcester, MA
Doctor of Medicine Degree awarded 7 June 1992
Medical Education #02416920748

2005 – 2008 UNIVERSITY OF FLORIDA, Gainesville, FL
Master of Science in Medical Sciences with a concentration in Clinical Investigation
Advanced Postgraduate Program in Clinical Investigation

POSTGRADUATE TRAINING

1992 – 1999 UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER
COORDINATED SURGICAL RESIDENCY PROGRAM, Worcester, MA
William C. Meyers, MD, Chairman
Administrative Chief Surgical Resident, 1998 - 1999

- 1994 – 1996 HARVARD-LONGWOOD VASCULAR SURGERY RESEARCH TRAINING PROGRAM, Boston, MA
Frank W. LoGerfo, MD, Program Director
NIH/NRSA Training Grant Recipient
- 1999 – 2001 DARTMOUTH-HITCHCOCK MEDICAL CENTER
FELLOWSHIP IN VASCULAR SURGERY, Lebanon, NH
Jack L. Cronenwett, MD, Chief, Section of Vascular Surgery

RESEARCH TRAINING

- 1987 – 1988 DEPARTMENT OF BIOLOGY, TUFTS UNIVERSITY, Medford, MA
David E. Cochrane, PhD, Professor of Biology
Research fellowship (NRSA) to study isolation, isotopic labeling, and purification of the enzyme histidine decarboxylase from extracted rat mast cells and cultured rat basophilic leukemia cells.
- 1994 – 1996 HARVARD-LONGWOOD VASCULAR SURGERY RESEARCH PROGRAM, Boston, MA
K. Craig Kent, MD, Chief, Professor of Surgery
Research fellowship (T32) to study of the influence of growth factors and extracellular matrix proteins on, and the subcellular signaling pathways in human vascular smooth muscle cell migration and their implications in intimal hyperplasia.
- 1999 – 2000 DARTMOUTH-HITCHCOCK MEDICAL CENTER, Lebanon, NH
Richard J. Powell, MD, Professor of Surgery
Study of the effect of vascular endothelial and smooth muscle cell co-culture on smooth muscle cell migration with investigation of significant secretory proteins and subcellular signaling.
- 2005 – 2008 UNIVERSITY OF FLORIDA COLLEGE OF MEDICINE, Gainesville, FL
Marian C. Limacher, MD, Professor of Medicine
Advanced Postgraduate Program in Clinical Investigation (Clinical Research Curriculum Award K30-RR022258 from the NCRR) resulting in Master of Science in Medical Sciences with a concentration in Clinical Investigation
Thesis: Systemic Inflammatory Determinants of Lower Extremity Revascularization Failure.

SIGNIFICANT ADDITIONAL PROFESSIONAL DEVELOPMENT:

- 2000 Brooklyn Endovascular Training Symposium, SUNY-Brooklyn, Brooklyn, NY
- 2002 Young Surgical Investigator's Conference, American College of Surgeons and National Institutes of Health, Leesburg, VA
- 2005 American College of Surgeons Clinical Trials Methods Course, Chicago, IL
- 2008 Genomics and Proteomics Hands-on Workshop: From Sample Preparation to Data Analysis.
National Heart Lung and Blood Institute, National Jewish Health, University of Colorado School of Medicine, Denver, CO
- 2014 TeamSTEPPS Master Training Course, Duke University, Durham, NC
- 2015 Improving Simulation Instructional Methods (iSIM) Course, Center for Advanced Medical Learning and Simulation (CAMLs), Tampa, FL
- 2015 Train the Trainer, LapCo TT Course, Center for Advanced Medical Learning and Simulation (CAMLs), Tampa, FL

FACULTY AND ACADEMIC APPOINTMENTS

University of Massachusetts Medical School

- 2001 – 2004 Assistant Professor, Surgery and Cell Biology
Director, Vascular Research

University of Florida College of Medicine

2004 – 2012 Assistant Professor, Surgery
2009 – 2012 Assistant Professor, Molecular Genetics and Microbiology

University of South Florida Morsani College of Medicine

2013 – present Associate Professor, Surgery
Associate Professor, Molecular Pharmacology and Physiology
Associate Chairman, Research and Innovation, USF Department of Surgery
Faculty, Center for Advanced Medical Learning and Simulation (CAMLs)
Associate Investigator, Center of Innovation on Disability and Rehabilitation Research (CINDRR)

BOARD CERTIFICATION

National Board of Medical Examiners – completed parts I, II, and III: 1993

Diplomate, American Board of Surgery, (Certificate #46056)

Qualifying exam passed 21 October 1999
Certifying exam passed 2 April 2001 (electively not renewed)

Specialty Certification in Vascular Surgery, ABS (Certificate #101234)

Qualifying Exam passed 19 October 2001
Certifying Exam passed 20 May 2002
Recertifying Exam passed 22 September 2011; expires 1 July 2022

LICENSURE INFORMATION

Florida:	Full medical license ME 100058	Exp. 1/31/2018
Massachusetts:	Full medical license 80860	elective non-renewal status 9/08
DEA registration:	BN7374630	Exp. 10/31/2019
NPI Identification:	1043209307	

CLINICAL PRIVILEGES

Worcester, MA

2001 – 2004 UMass-Memorial Medical Center Attending Vascular Surgeon

Gainesville, FL

2004 – 2012 Shands HealthCare at the University of Florida Attending Vascular Surgeon
Malcom Randall Veterans Administration Medical Center Attending Vascular Surgeon

Tampa, FL

2013 – James A. Haley Veterans Hospital Attending Vascular Surgeon
2013 – 2016 Florida Hospital Tampa/Pepin Cardiovascular Institute Attending Vascular Surgeon
2013 – 2016 Florida Hospital Wesley Chapel Attending Vascular Surgeon
2014 – 2016 Tampa General Hospital Attending Vascular Surgeon
2014 – 2016 Moffitt Cancer Center Consulting Vascular Surgeon

HONORS AND AWARDS

1982 Eagle Scout
1983 National Honors Society
1986 National Research Scholarship Award
1988 Summa Cum Laude
1988 Phi Beta Kappa

- 1988 Thomas Harrison Carmichael/Emily Leonard Carmichael Prize Scholarship in Physiology
 1998 Resident Teacher of the Year
 1999 Resident Teacher of the Year
 1999 H. Brownell Wheeler Resident Award
 1999 NESVS R. Clement Darling, Jr. Clinical Research Award Recipient, 1999
 2001 Lifeline Foundation Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, Resident Research Award Recipient
 2009 Association for Academic Surgery, Visiting Professor to the Younger Fellows Forum, Royal Australasian College of Surgeons
 2010 Florida Vascular Society, Jose 'Pepe' Alvarez, Jr. Award, Best Resident Paper (Resident), "Emerging Trends in the Management and Outcomes in Lower Extremity Peripheral Artery Disease."
 2011 Exemplary Teacher of the Year, University of Florida College of Medicine
 2011 Peripheral Vascular Surgery Society, Award for Best Submitted Abstract (Resident), "Quality of Life Outcomes Following Lower Extremity Revascularization."
 2011 Association for VA Surgeons Best Resident Paper (Resident), "Elevated wall tension impedes vein bypass graft remodeling."
 2011 American Venous Forum, Servier Traveling Scholar Finalist (Resident), "The State of Endovenous Ablation for Venous Insufficiency in Florida."
 2012 Society for Vascular Surgery, Distinguished Fellow
 2012 Florida Vascular Society, Jose 'Pepe' Alvarez Jr. Award, Best Resident Paper (Resident), "Disparity in Availability of Vascular Specialists in Florida and its Effect on Differential Rates of Major Lower Extremity Amputation."
 2013 Timothy A. String President's Award, Best Overall Paper, Southern Association for Vascular Surgery, "Multicenter, Randomized, Controlled Trial outcomes of Totally Percutaneous Aortic Aneurysm Repair (The PEVAR Trial)."
 2015 Founder's Award Paper, Southern Association for Vascular Surgery (Resident), "The Correlation Between CT and Duplex Evaluation of Vein Bypass Grafts and Their Relationship to Graft Failure."

PROFESSIONAL AND ADMINISTRATIVE ACTIVITIES:

University of Massachusetts Medical School

- 2001 – 2004 Faculty Advisor, Surgical Science Curriculum, UMass Coordinated Residency Program
 Faculty Advisor, Surgical Interest Group/Surgical Mentor Program, UMass Med School
 Faculty-Student Advisor, UMass Medical School

University of Florida College of Medicine/Malcom Randall VA Medical Center

- 2004 – 2008 Member, VAMC IACUC
 2005 – 2012 Faculty Advisor, UF COM Surgical Interest Group
 2005 – 2012 Faculty Liaison, UF COM Surgery Research Program
 2006 – 2012 Faculty-Student Advisor, UF COM
 2006 – 2012 Director, UF Comprehensive Vein Center
 2006 – 2012 Member, UF Department of Surgery Education Executive Committee
 2006 – 2011 Core Educator, UF Department of Surgery Education Academy
 2008 Member, VAMC Subcommittee for Clinical Investigation
 2009 – 2012 Member, Supervisory Cmte, UF Harrell Center for Simulation Education
 2009 – 2012 Member, VAMC Scientific Projects Committee
 2010 – 2012 Director, UF COM Surgery Medical Student Clerkship
 2010 – 2012 Member, UF COM Clerkship Directors Committee
 2010 – 2012 Ex Officio, Member, UF COM Academic Status Committee
 2011 – 2012 Director, UF COM Surgery Medical Student Sub-Internship
 2011 – 2012 Member, UF COM Curriculum Design Committee
 2011 – 2012 Member, UF COM, Medical School Admissions Committee

University of South Florida Morsani College of Medicine/James A. Haley VA Medical Center

- 2013 – Member, USF Morsani College of Medicine Committee on Research

- 2013 – Director, USF Morsani College of Medicine Vascular Surgery Colloquium
- 2014 – Director, USF Comprehensive Vein Center
- 2014 – Master Trainer, TeamSTEPPS® teamwork training system, CAMLS
- 2014 – Member, Advisory Council, USF Department of Surgery
- 2014 – Chair, USF Surgical Research Committee
- 2014 – Chair, USF Surgical Innovation Committee
- 2014 – Chair, USF Surgical Education Committee
- 2014 – Course Faculty, USF Health “Human Genomics in Medicine and Public Health”
- 2016 – Member, University of South Florida Conflict of Interest Committee

PROFESSIONAL AND ACADEMIC ORGANIZATIONS:

National Societies:

- 2002 – Association of Academic Surgery
 - Chair, Program Committee, 2011 – 2013
 - Nominating Committee, 2009 – 2010
 - Co-Chair, Leadership Committee, 2008 – 2010
 - Co-Chair, AAS Career Development Course, 2008 – 2010
 - Ad Hoc Advisory Committee for the Australasian DCAS Course, 2009 - 2010
 - Chair, Membership Committee, 2006 – 2008
 - Membership Committee, 2003 – 2006
 - Executive Council 2006 – 2010, 2011 – 2013
 - University of Florida Institutional Representative 2005 – 2007
 - 2009 AAS Visiting Professor, Younger Fellows, Royal Australasian College of Surgeons**
- 2002 – Association of Surgical Education
 - University of Florida Delegate 2005 – 2012
 - UMass Medical School Delegate 2002 – 2004
- 2004 – American College of Surgeons, Fellow (granted 10/11/04)
 - Clinical Trials Methods Course, Faculty 2007 – present
 - Surgical Investigators Course, Faculty 2010 – 2012
- 2004 – Association of Veterans Affairs Surgeons
 - Member, National PAD Advisory Committee to the VA, 2009 – 2012
 - Member, Field Advisory Committee in Vascular Surgery, 2008
- 2004 – Society for Vascular Surgery
 - Distinguished Fellow, 2012**
 - Member, SVS Writing Group for Abdominal Aortic Aneurysm Clinical Guidelines
 - Resident & Student Outreach Committee, 2011 – 2013
 - Stakeholders in Clinical Research Priorities Committee, 2011
 - Advisory Assembly of Vascular Societies, 2010 – present
 - Clinical Research Committee, 2007 – 2010
 - SVS Resident Mentor Program, 2009 – present
 - Lifeline Foundation Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, Resident Research Award Recipient, 2001**
- 2007 – Vascular and Endovascular Surgery Society (formerly Peripheral Vascular Surgery Society)
 - President-Elect, 2016
 - Treasurer, 2013 – 2016
 - Councilor-at-Large, 2010 - 2013
 - Scholarships and Grants Committee, 2008 – present; Chair 2009 – 2010
 - Industry Research Advisory Board, 2010 – present
 - Executive Council, 2009 - present
- 2011 – Society of University Surgeons
 - Fundraising Committee, 2012 – 2013
 - Membership Committee, 2013 – 2015
 - Nominating Committee, 2016 – 2017
- 2014 – Foundation for Vascular Innovation (VESS)
 - Chief Financial Officer, 2013 - 2016

Regional Societies:

- 2001 – New England Society for Vascular Surgery
1999 R. Clement Darling, Jr. Award in Clinical Research
- 2005 – Southern Association for Vascular Surgery
Mock Orals Examiner 2008, 2011 – 2014
2013 Timothy A. String Presidential Award

Local/State Societies:

- 2004 – Florida Vascular Society
President 2012 – 2013
President-Elect, 2011 – 2012
Secretary/Treasurer, 2009 – 2011
Chair, Membership Committee, 2008 – 2011
Executive Council 2008 – present
Program Director, 2008 Venous Forum
- 2008 – Florida Vascular Foundation
President, Florida Vascular Foundation, 2014 – 2017
Founding Member, Board of Directors
- 2013 – Florida Medical Association/Hillsborough County Chapter

PROFESSIONAL REVIEW ACTIVITIES:**NIH Review Activity:**

- 2010 Ad Hoc Member, Clinical Trials Review Committee, CLTR (JA) Council, National Heart Lung and Blood Institute, NIH, Bethesda

Veteran's Health Administration:

- 2010 – Member, Surgical Quality Data Use Group (SQDUG), VA Surgical Quality Improvement Program (VASQIP)

Editorial Board:

- 2007 – Genomic Insights
2015 – Journal of Angiology & Vascular Surgery

Invited Guest Editor:

- 2016 "Virtual Roundtable on Endovascular Aortic Aneurysm Repair", Seminars in Vascular Surgery, March 2016.

Key Reviewer:

- 2001 – Journal of Vascular Surgery

Ad Hoc Reviewer:

- 2001 – 2012 Journal of Endovascular Therapy
2002 – 2004 Cardiovascular Surgery
2002 – 2004 Medical Science Monitor
2003 – Journal of Surgical Research
2003 – 2004 Journal of Cellular Biochemistry
2003 – 2004 Journal of Cellular Physiology
2007 – 2012 World Journal of Surgery
2010 – Annals of Vascular Surgery
2010 – Surgery
2010 – Journal of the American College of Surgeons
2010 – American Journal of Surgery
2010 – Gene Therapy
2011 – Annals of Surgery
2012 – Radiology Research and Practice
2013 – Vascular and Endovascular Surgery
2015 – New England Journal of Medicine

RESEARCH ACTIVITIES:

Extramural Grants (Active):

- 2015 – MicroRNA-based, Cell-selective Therapy for Cardiovascular Disease. NIH/NHLBI (RO1 HL128411-01). Funded 5 years \$1,250,000. PI: Hana Totary-Jain, PhD. Role: Co-investigator (10%).
- 2015 – Signaling Mechanisms Controlling Sphingosine-1-Phosphate- Induced Microvascular Barrier Enhancement. American Heart Association Predoctoral Research Fellowship Award. Recipient: Xun Zhang. Role: Clinical Co-sponsor.
- 2015 – Novel Delivery of Stem Cell-Based Therapeutics to Spinal Cord. R21 NIH/NINDS. Submitted 26 October 2015. Under review. PI: Svitlana Garbozova-Davis, PhD. Role: Co-Principal Investigator (10%).
- 2015 – Treatment Options in Intermittent Claudication and Prediction of Intervention. VA MERIT RR&D. LOI accepted November 2015. Pending Fall 2016 submission. Role: Principal Investigator (25%).
- 2015 – Validation of Genomic and Proteomic Predictors of Lower Extremity Angioplasty/Stenting Outcomes. American Heart Association - Cardiovascular Genome and Phenome Study. LOI accepted July 15, 2015. Full application planned submission next offering January 2017. Role: Principal Investigator.
- 2016 – Early TEVAR Versus Standard Medical Therapy in Patients with Acute Uncomplicated Type B Thoracic Aortic Dissection. PCORI application (in revision). PI: Michael Singh, MD. Role(s): Advisory Board, Co-investigator.
- 2016 – Alignment of Treatment Preferences and Repair Type for Veterans with AAA. VA HSR&D MERIT program. In just-in-time processing; anticipated start date September 2016. PI: Philip Goodney, MD, MS. Role: Site Principal Investigator.
- 2016 – Trends in Utilization of Minimally Invasive Endovascular Interventions and Impact on Outcomes in Veterans with Peripheral Vascular Disease. HX-16-006 VA MERIT HSR&D ITS submitted June 2016. Under review. Role: Principal Investigator (25%).

Extramural Grants (Completed):

- 2001 – 2003 Investigation of Near Infrared Spectroscopy (NIRS) for Early Clinical Detection of Vascular Impairment Leading to Diabetic Foot Complications. Diabetes-Endocrinology Research Center, 2 years, \$50,000. PI: Babs Soller, PhD. Role: Co-investigator.
- 2005 – 2008 APPCI (Advanced Post-Graduate Program in Clinical Investigation). NIH/NCRR (# 5 K30 RR22258-08). PI: Marian Limacher, MD. Role: Fellow.
- 2006 – 2010 NIH Loan Repayment Program grant. 2006 – 2008. \$35,000. Competitive renewal 2008 – 2010, \$50,000. Role: Investigator/Recipient.
- 2006 – 2012 Genomic and Proteomic Determinants of Lower Extremity Revascularization Failure. K23 Mentored Patient-Oriented Research Career Development Award. NIH/NHLBI (K23 HL084090-01) – Funded, 5 years (one year no cost extension) \$754,221. Role: Principal Investigator (75% Effort).
- 2007 – 2011 Hemodynamic Modeling of Human Vein Graft Failure. Veteran's Administration BLR&D MERIT funding. PI: Scott Berceci, MD, PhD. Role: Co-investigator.
- 2009 – 2014 Quality of Life Survey Development for Patients with Abdominal Aortic Aneurysms. NIH/NHLBI (K23HL092160-01A2) – 5 years, \$708,750. PI: Brian Nolan, MD. Role(s): Co-investigator, Advisory Board.
- 2015 The Role of Thrombomodulin on Cellular Interaction, Physiology, and Cell-cell Signaling of Vascular Smooth Muscle Cell/Endothelial Cell (SMC/EC) Co-culture. American Heart Association 2015 Summer Medical Student Research Fellowship Award. Recipient: Faris Galambo, MS2

Role: Project Mentor.

Clinical Trials (Active):

- 2013 – NTACT: Non-Invasive Treatment of Abdominal Aortic Aneurysm Clinical Trial. Sponsor: NIH/NHLBI. Role: Site Co-Investigator.

- 2014 – Multicenter Outpatient Percutaneous EVAR Trial: OPAR Trial. Sponsor: Endologix, Incorporated. PI: Stuart Harlin, MD. Role: Chair, Data Safety Monitoring Board.

- 2015 – Triggers for Blood Transfusion in Patients Undergoing Surgery for PAD (CSP #599). Sponsor: Veterans Administration Cooperative Studies Program (submitted pending Council review). PI: Panos Kougias, MD. Role(s): Planning Committee, Site Principal Investigator.

- 2015 – DANCE (Delivery of Dexamethasone to the Adventitia to eNhanCe Clinical Efficacy after Femoropopliteal Revascularization). Sponsor: Mercator MedSystems. Role: Site Principal Investigator.

- 2015 – RehearsAAAI: Multicenter Randomized Study to Compare the Clinical Performance of AAA Procedures with and Without Prior Rehearsal in a Virtual Environment Using the Procedure Rehearsal Studio. Sponsor: Simbionix. Role: Site Principal Investigator.

- 2015 – Multicenter, Observational, Post-Market, Real World Study to Assess Outcomes of Patients Treated with the AFX System compared to other EVAR devices for Endovascular Abdominal Aortic Aneurysm Repair” (The LEOPARD Study). Sponsor: Endologix, Incorporated. Role: Site Principal Investigator.

- 2016 – Best Endovascular vs. Best Surgical Therapy in Patients with Critical Limb Ischemia (BEST-CLI). Sponsor: NIH/NHLBI (1U01HL107407). PIs: Farber, Menard, Rosenfield. Role: Site Principal Investigator.

Clinical Trials (Completed):

- 2002 – 2010 OVER (Open Versus Endovascular Repair) for Abdominal Aortic Aneurysms Trial (CSP #498). Sponsor: Veterans Administration Cooperative Studies Program. Total Award \$210,000. Role: Site Co-Principal Investigator.

- 2005 – 2007 STARZ TX2™: Study of THORACIC Aortic Aneurysm Repair with the Zenith® TX2™ TAA Endovascular Graft (IDE#G030217). Sponsor: COOK, Incorporated. Role: Site Co-Investigator.

- 2005 – 2008 A Multicentre, Phase 3, Open-Label Study to Assess the Efficacy and Safety of 0.1 mmol/kg OMNISCAN™ (Gadodiamide Injection) for Magnetic Resonance Angiography (MRA) of the Aorto-iliac Arteries (SOV 302). Sponsor: GE Healthcare. Role: Site Co-Investigator.

- 2005 – 2009 CRESCENDO (Comprehensive Rimonabant Evaluation Study of Cardiovascular Endpoints and Outcomes EFC5826): Trial to evaluate the effect of rimonabant on cardiovascular outcomes in morbid obesity. Sponsor: Sanofi-Aventis. Role: Site Principal Investigator.

- 2005 – 2010 PIVOTAL (Positive Impact of Endovascular Options for Treating Aneurysms Early) study. Sponsor: Medtronic, Incorporated. Role: Site Co-Investigator.

- 2005 – 2010 PEVAR (Prospective, Multicenter, Randomized Controlled Trial of Endovascular Aneurysm Repair Using a Bilateral Percutaneous Approach (PEVAR) vs. Standard Approach (SEVAR) Using the IntuiTrak Endovascular AAA Delivery System and Prostar XL or ProGlide Suture Mediated Closure Device). Endologix, Incorporated. Role: National Principal Investigator.

- 2005 – 2012 CORAL (Cardiovascular Outcomes in Renal Atherosclerotic Lesions). Sponsor: NIH/NHLBI. (#5U01HL071556-04). Role: Site Co-Principal Investigator.

- 2006 – 2008 CAPTURE (Carotid RX ACCULINK/ACCUNET Post-Approval Trial to Uncover Unanticipated or Rare Events) Post-Approval Study for RX ACCULINK Carotid Stent System and RX ACCUNET Embolic Protection System (EPS) (Protocol 04-714). Sponsor: Abbott Vascular. Role: Site Co-Investigator.

- 2006 – 2012 CHOICE: Carotid Stenting for High Surgical-Risk Patients. Sponsor: Abbott, Incorporated. Role: Site Principal Investigator.
- 2008 – 2011 NanoDOX Hydrogel Use in: A Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of NanoDOX™ 1.0% Doxycycline Monohydrate Hydrogel in Diabetic Adult Subjects with Lower Extremity Ulcers Compared to Placebo Hydrogel (2008-DOX-NT/003). Sponsor: Nanotherapeutics, Incorporated. Role: Site principal Investigator.
- 2008 – 2011 A Phase IV Multi-Center Study to Compare ISOVUE®-250 and VISIPAQUE™ 270 for Motion Artifact and Pain in Peripheral Digital Subtraction Angiography (DSA) (Protocol #IOP-119). Sponsor: Bracco Diagnostics, Incorporated. Role: Site Principal Investigator.
- 2008 – 2012 PYTHAGORAS Clinical Trial (# 2005-01): High Angle Aorfix Bifurcated Stent Graft. Sponsor: Lombard Medical Technologies. Role: Site Co-Investigator.
- 2008 – 2012 Use of TRC Autologous Bone Marrow Cells in Patients with Peripheral Arterial Disease to Treat Critical Limb Ischemia (ABI-55-0610-1). Sponsor: Aastrom Biosciences, Incorporated. Role: Site Co-Investigator.
- 2009 – 2012 Clinical evaluation of the GORE TAG thoracic endoprosthesis in the treatment of high risk descending thoracic aorta pathology (TAG 04-01). Sponsor: W.L. Gore and Associates. Role: Site Principal Investigator.
- 2009 – 2012 Clinical evaluation of the GORE TAG thoracic endoprosthesis in the primary treatment of descending thoracic aorta aneurysms (TAG 05-02). Sponsor: W.L. Gore and Associates. Role: Site Principal Investigator.
- 2011 – 2012 Vascutek Anaconda Stent Graft System Phase II IDE Study. Sponsor: Vascutek, Incorporated. Role: Site Principal Investigator.
- 2011 – 2014 Ventana – Endologix U.S. IDE Clinical Program for the Ventana™ Fenestrated Stent Graft System. Sponsor: Endologix, Incorporated. Role(s): Site Principal Investigator/National Trainer/Proctor.
- Other:**
- 2006 – 2009 Effects of Lower Body Resistance Exercise Training in Peripheral Arterial Disease. Co-PI: Heather Vincent, PhD. Role: Co-Principal Investigator.
- 2009 – 2012 Surgery Redefined: Surgical Career Recruitment Project. Association for Academic Surgery, Society of University Surgeons, Association for Program Directors in Surgery, American College of Surgeons. \$70,000. Role(s): Creator/Principal Investigator.

PATENT/INNOVATION ACTIVITIES:

1. Novel Non-Invasive Method for Direct Delivery of Therapeutics to the Spinal Cord in the Treatment of Spinal Cord Pathology Co-Inventors: Garbozova-Davis (15%), Nelson (15%), Van Loveren (5%), Borlongan (10%). Application submitted, January 2016.
2. Simulated Human Body Vascular Model. Co-Inventors: Simoes, Nelson. Disclosure submitted August 2015.

PEER-REVIEWED PRESENTATIONS (Personally Presented):

International Meetings

1. Encouraging a Career in Academic Surgery. Oral presentation, Annual Scientific Congress, Royal Australasian College of Surgeons, Brisbane, Australia, 2009.
2. Does Systemic Inflammation Predict Lower Extremity Vein Bypass Graft Failure? Oral presentation, Annual Scientific Congress, Royal Australasian College of Surgeons, Brisbane, Australia, 2009.

National Meetings

1. Nuclear microinjection of DNA into human vascular smooth muscle cells. Poster presentation, 68th Scientific Sessions, American Heart Association, Anaheim, CA, 1995.
2. Platelet-derived growth factor and extracellular matrix proteins provide a synergistic stimulus for human vascular smooth muscle cell migration. Oral presentation, Joint Annual Meeting Society for Vascular Surgery/International Society for Cardiovascular Surgery, Chicago, IL, 1996.
3. Smooth muscle cell migration and proliferation are mediated by distinct phases of activation of the intracellular messenger mitogen-activated protein kinase. Oral presentation, Joint Annual Meeting Society for Vascular Surgery/International Society for Cardiovascular Surgery, Boston, MA, 1997.
4. Endothelin-1 stimulates smooth muscle cell migration through both receptor subtypes by a MAP kinase dependent and G-protein sensitive mechanism. Oral presentation, Frederick J. Collier Surgical Society, Ann Arbor, MI, 2000.
5. Smooth muscle cells alter endothelial cell regulation of smooth muscle cell migration. Oral Presentation, Surgical Forum, 86th Annual Congress, American College of Surgeons, Chicago, IL, 2000.
6. Endothelin-1 stimulates smooth muscle cell migration: the role of several signal pathways. Oral presentation, Lifeline Foundation Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, Bethesda, MD, 2001. **Recipient, Resident Research Award.**
7. Renal artery stenting: a technical approach. Oral presentation, first annual Fellows in Vascular Surgery Symposium, Bethesda, MD, 2001.
8. Systemic inflammatory reaction following lower extremity revascularization. Poster presentation, Arteriosclerosis, Thrombosis, Vascular Biology meeting, Atlanta, GA, 2008.
9. Totally Percutaneous EVAR: Feasibility Outcomes for a Prospective, Randomized Trial Design. Oral Presentation, Society for Clinical Vascular Surgery, Phoenix, AZ, 2010.
10. The Development of the VA Cardiovascular Assessment, Reporting and Tracking System for Peripheral Vascular Intervention (CART-PVI). Oral presentation, Association for VA Surgeons, Irvine, CA, 2011.
11. Elevated Peri-Operative C-Reactive Protein Impedes Late Vein Graft Remodeling. Oral poster presentation, Society for Vascular Surgery, Vascular 2011, Chicago, IL. **Winner first round of SVS Poster Competition, Basic Research Category.**

Regional Meetings

1. Extracellular matrix proteins are potent agonists of smooth muscle cell migration. Oral presentation, 22nd Annual Meeting, New England Society for Vascular Surgery, Montreal, Canada, 1995.
2. Endovascular in-situ bypass decreases morbidity and hospital stay following infrainguinal arterial reconstruction. Oral presentation, 25th Anniversary Meeting, New England Society for Vascular Surgery, Toronto, ON, Canada, 1998.
3. Impact of the endovascular-assisted in situ saphenous vein bypass technique on hospital costs. Oral presentation, 26th Annual Meeting, New England Society for Vascular Surgery, Chatham, MA, 1999. **Recipient, first annual R. Clement Darling, Jr. Award.**
4. Hand-assisted, laparoscopic aortobifemoral bypass. Oral Presentation, 26th Annual Meeting, New England Society for Vascular Surgery, Chatham, MA, 1999.
5. Results of endovascular superficial femoral endarterectomy. Oral presentation, 27th Annual Meeting, New England Society for Vascular Surgery, Boston, MA, 2000.
6. Results of external iliac artery stenting combined with common femoral artery endarterectomy. Oral presentation, 28th Annual Meeting New England Society for Vascular Surgery, Providence, RI, 2001.

7. Percutaneous Endovascular Aortic Aneurysm Repair (PEVAR): Results from the First Prospective, Multicenter Randomized Trial. Oral presentation 37th Annual Meeting Southern Association for Vascular Surgery, Paradise Island, Bahamas, 2013. **Recipient, Timothy A. String Presidential Award for best overall paper/presentation.**

Local/State Meetings

1. Update on venous disease 2008. Florida Vascular Society Venous Forum. Director, moderator oral post-graduate course session, Ponte Vedra, FL, 2008.
2. Systemic Inflammatory Determinants of Lower Extremity Revascularization Failure. Masters Thesis defense. University of Florida College of Medicine, 2008.
3. Results of an Initial Venous Screening at a Newly Established Academic Vein Center. Oral presentation, Annual Scientific Sessions, Florida Vascular Society, Orlando, FL, 2009.
4. Expansion of FVS Membership to Non-Surgeon Vascular Specialists; Results of a Membership Survey. Oral presentation, Annual Scientific Sessions, Florida Vascular Society, Orlando, FL, 2009.
5. Medical Student Education in Surgery: Present and Future. Grand Rounds lecture, UF Department of Surgery, 2012.
6. Percutaneous Endovascular Aortic Aneurysm Repair (PEVAR): Results from the First Prospective, Multicenter Randomized Trial. Oral presentation 26th Annual Meeting Florida Vascular Society, Orlando, FL., 2013.
7. Abdominal Aortic Aneurysms: Updates in Diagnosis and Management. Invited lecture, Florida Academy of Physician Assistants 2013 Summer Symposium, Boca Raton, FL.
8. Human Tissue Examination. Poster presentation. James A. Haley VA Research Day, 2014.
9. Systemic Inflammatory Predictors of Clinical Outcome Following Lower Extremity Angioplasty/Stenting. Poster presentation. James A. Haley VA Research Day, 2014.
10. CAVES: Cardiovascular and Endovascular Skills Team Training. Oral presentation, Annual Scientific Sessions, Florida Vascular Society, Naples, FL, 2015.
11. The Role of Thrombomodulin in Modulating Vascular Smooth Muscle Cell Physiology. Oral presentation, Annual Scientific Sessions, Florida Vascular Society, Naples, FL, 2015.

PEER-REVIEWED PRESENTATIONS (Mentored Presentations):

National Meetings

1. Thrombomodulin inhibits intimal hyperplasia following arterial balloon injury. Mentored oral presentation (Singh), Lifeline Foundation Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, Bethesda, MD, 2002.
2. Thrombomodulin inhibits thrombin-induced arterial SMC migration. Mentored oral presentation (Morris), Joint Annual Meeting of the Society for Vascular Surgery and the American Association for Vascular Surgery, Chicago, IL, 2003.
3. Superior performance of thrombomodulin coated small caliber PTFE grafts. Mentored oral presentation (Lo), Annual Meeting of the Association for Academic Surgery, Sacramento, CA, 2003.
4. Intracellular calcium and thrombin-induced smooth muscle cell migration. Mentored oral presentation (Morris), Lifeline Foundation Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, Bethesda, MD, 2004.

5. The Role of Protease Activated Receptors (PARs) on Thrombin Induced Arterial SMC Proliferation. Mentored poster presentation (Morris), Lifeline Foundation Research Initiatives in Vascular Disease Conference, Washington, DC, 2005.
6. Combining Ultrasound and Lipofectamine® Results in Superior Gene Transfection Efficiency in Vascular Smooth Muscle Cells. Mentored poster presentation (Vasiliu), Lifeline Foundation Research Initiatives in Vascular Disease Conference, Washington, DC, 2005.
7. Systemic Inflammatory Determinants of Lower Extremity Revascularization Failure. Mentored oral presentation (O'Malley), Academic Surgical Congress, Sanibel, FL 2009.
8. Emerging Trends in the Management and Outcomes in Lower Extremity Peripheral Artery Disease. Mentored Oral Presentation (Hong), Peripheral Vascular Surgery Society, Vail, CO, 2010.
9. Urine Nicotine Levels Objectively Quantitate Smoking Exposure and Correlate with Success or Failure Outcomes Following Lower Extremity Revascularization. Mentored Oral Presentation (Godsey), Academic Surgical Congress, San Antonio, TX, 2010.
10. Cytokines such as Interleukin-1-alpha discriminate the severity of peripheral arterial disease better than C-Reactive Protein. Mentored Oral Presentation (Taylor), Academic Surgical Congress, San Antonio, TX, 2010.
11. The effect of cilostazol on intermittent claudication in a "real life" VA practice. Mentored Oral Presentation (Lee), Association of VA Surgeons, Indianapolis, IN, 2010.
12. Genome-wide Changes in Inflammatory Gene Expression Following Lower Extremity Vein Bypass. Mentored oral presentation (O'Malley), Academic Surgical Congress, Association for Academic Surgery, Huntington Beach, CA, 2011.
13. Quality of Life Outcomes Following Lower Extremity Revascularization. Mentored oral presentation (Hong), Peripheral Vascular Surgery Society, Steamboat, CO, 2011. **Recipient, travel grant for the best abstract submitted by a trainee.**
14. Elevated wall tension impedes vein bypass graft remodeling. Mentored oral presentation (Manning), Association of VA Surgeons, Irvine, CA, 2011. **Winner 2011 AVAS best resident/student presentation award.**
15. The State of Endovenous Ablation for Venous Insufficiency in Florida. Mentored oral presentation (Hong), American Venous Forum, San Diego, CA, 2011. **Recipient, travel grant as finalist for Servier Traveling Fellowship Competition.**
16. Genome-wide Changes in Inflammatory Gene Expression Predict Outcomes Following Lower Extremity Angioplasty/Stenting. Mentored poster presentation (O'Malley), Arteriosclerosis Thrombosis Vascular Biology, Chicago, IL, 2011.
17. Phenotypic Changes in Endothelial Progenitor Cells Predict Outcome Following Lower Extremity Revascularization. Mentored oral presentation (Restrepo), American College of Surgeons Surgical Forum, 2011, San Francisco, CA.
18. Cytokine Prediction Modeling of Vein Bypass Failure. Mentored oral presentation (O'Malley), Academic Surgical Congress, 2012, Las Vegas, NV.
19. Genome-Wide Differences in Inflammatory Gene Expression Predict Success Versus Failure in Lower Extremity Angioplasty/Stenting. Mentored oral presentation (Desart), Academic Surgical Congress, 2012, Las Vegas, NV.
20. Pre-Operative Genome-Wide Differences in Inflammatory Gene Expression Predict Success Versus Failure in Lower Extremity Vein Graft Bypass. Mentored oral presentation (O'Malley), Arteriosclerosis, Thrombosis, Vascular Biology, 2012, Chicago, IL.
21. Outcomes and Predictors of Secondary Intervention for Chronic Venous Insufficiency Following Endovenous Radiofrequency Ablation. Mentored oral presentation (Diamond), American Venous Forum, 2012, Orlando, FL.

22. Thrombomodulin Demonstrates Critical Beneficial Direct Effects on Smooth Muscle Cell Physiology. Mentored oral presentation (Bass), Vascular and Endovascular Surgery Society, 2015, Vail, CO.
23. Development of a Co-Culture Injury Model to Study Vascular Smooth Muscle Cell Migration In-Vitro. Mentored oral presentation (Galambo), 11th Annual Academic Surgical Congress, Jacksonville, FL, 2016.
24. Open Abdominal Surgical Training Differences Experienced by Integrated Vascular and General Surgery Residents. Mentored oral presentation (Tanious), 11th Annual Academic Surgical Congress, Jacksonville, FL, 2016.
25. Endovascular Salvage of Proximal Fixation Loss in the Paravisceral Aorta. Mentored oral presentation (Tanious), VESS Annual Meeting, Park City, UT, 2016.
26. Who Performs Endovascular Aortic Aneurysm Repair? Mentored poster presentation (Tanious). American Heart Association, Scientific Sessions, New Orleans, LA, 2016.

Regional Meetings

1. Superior performance of thrombomodulin coated small caliber PTFE grafts. Mentored oral presentation (Lo), 30th Annual Meeting of the New England Society for Vascular Surgery, Newport RI, 2003.
2. Total percutaneous access for endovascular aortic aneurysm repair. Mentored oral presentation (Brown). 33rd Annual Meeting, New England Society for Vascular Surgery, Boston, MA, 2006.
3. TEVAR Broadens Treatment Eligibility and Decreases Overall Mortality in Traumatic Thoracic Aortic Injury. Mentored Oral Presentation (Hong), Southern Association for Vascular Surgery, Paradise Island, Bahamas, 2010.
4. Trends, Charges, and Outcomes in Endovascular Therapy for Peripheral Arterial Disease in Florida. Mentored oral presentation (Hong), Southern Association for Vascular Surgery, Naples, FL, 2011.
5. Disparity in Availability of Vascular Specialists in Florida and its Effect on Differential Rates of Major Lower Extremity Amputation. Mentored oral presentation (Arnold), Southern Association for Vascular Surgery, Scottsdale, AZ, 2012.

Local/State Meetings

1. Urine Nicotine Levels Objectively Quantitate Smoking Exposure and Correlate with Success or Failure Outcomes Following Lower Extremity Revascularization. Mentored Oral Presentation (Godsey), UF COM Medical Student Research Day, 2010.
2. Cytokines such as Interleukin-1-alpha discriminate the severity of peripheral arterial disease better than C-Reactive Protein. Mentored Oral Presentation (Taylor), UF COM Medical Student Research Day, 2010.
3. TEVAR Broadens Treatment Eligibility and Decreases Overall Mortality in Traumatic Thoracic Aortic Injury. Mentored Oral Presentation (Hong), University of Florida College of Medicine Research Day, 2010.
4. The effect of cilostazol on intermittent claudication in a "real life" VA practice. Mentored Oral Presentation (Lee), University of Florida Department of Surgery Research Day, 2010. **Recipient, Best Resident Research Presentation.**
5. Emerging Trends in the Management and Outcomes in Lower Extremity Peripheral Artery Disease. Mentored Oral Presentation (Hong), University of Florida Department of Surgery Research Day, 2010. **Recipient, Best Resident Research Presentation.**
6. Emerging Trends in the Management and Outcomes in Lower Extremity Peripheral Artery Disease. Mentored Oral Presentation (Hong), Florida Vascular Society, Naples, FL, 2010. **Recipient, 2010 Jose "Pepe" Alvarez, Jr., MD Award for Best Resident Paper.**
7. A Case Report of Complex Endovascular Arch Debranching and TEVAR for Repair of an Aortic Arch Aneurysm. Mentored oral presentation (Almond), Florida Vascular Society, Palm Beach, FL, 2011. **Recipient of the 2011 Florida Vascular Foundation Travel Award.**

8. Patient Demographics as Indicators of Endovascular Versus Open Revascularization in Chronic Mesenteric Ischemia in Florida. Mentored oral presentation (Butler), Florida Vascular Society, Palm Beach, FL, 2011.
9. The State of Endovenous Ablation for Venous Insufficiency in Florida. Mentored oral presentation (Hong), Florida Vascular Society, Palm Beach, FL, 2011.
10. Outcomes and Predictors of Secondary Intervention for Chronic Venous Insufficiency Following Endovenous Radiofrequency Ablation. Mentored oral presentation (Diamond), Florida Vascular Society, Naples, FL, 2012. **Recipient, 2012 Florida Vascular Foundation Travel Award.**
11. Disparity in Availability of Vascular Specialists in Florida and its Effect on Differential Rates of Major Lower Extremity Amputation. Mentored oral presentation (Fischer), Florida Vascular Society, 2012, Naples, FL. **Recipient, 2012 Jose "Pepe" Alvarez, Jr., MD Award for Best Resident Paper.**
12. Development of a Co-Culture Injury Model to Study Vascular Smooth Muscle Cell Migration In-Vitro. Mentored oral presentation (Galambo), USF Research Day, Tampa, FL, 2016.
13. Eight Year Experience with Type I Endoleaks at a Tertiary Care Center. Mentored oral presentation (Tanious), Florida Vascular Society, 2016, Orlando, FL. **Recipient, 2016 Florida Vascular Foundation Travel Award.**

INVITED PRESENTATIONS AND VISITING PROFESSORSHIPS:

International Meetings

1. The Association of Academic Surgery: Recruiting Talented Surgeons. Invited visiting professor, Younger Fellows Forum, Royal Australasian College of Surgeons, Maroochydore, Australia, 2009.
2. Developing a Research Program. Invited lecture, Inaugural Developing a Career in Academic Surgery Course, Royal Australasian College of Surgeons, Brisbane, Australia, 2009.
3. The off-the-shelf Ventana Endologix device - sizing and tips for implantation. Invited oral presentation, INTERNATIONAL VASCULAR SUMMIT: Current Trends in Vascular Imaging and Endovascular Technology, Porto Alegre – Brazil, 2012.
4. Perforators: applications of endovenous treatment. Invited oral presentation, INTERNATIONAL VASCULAR SUMMIT: Current Trends in Vascular Imaging and Endovascular Technology, Porto Alegre – Brazil, 2012.
5. Comparative analysis of angioplasty, bare metal stents and covered stents for iliac stenosis and occlusions. Invited oral presentation, INTERNATIONAL VASCULAR SUMMIT: Current Trends in Vascular Imaging and Endovascular Technology, Porto Alegre – Brazil, 2012.

National Meetings

1. In-situ femoral-distal bypass: how I do it. Invited lecture, Current Updates in Vascular and Endovascular Surgery, Harvard Medical School, Boston, MA, 2004.
2. Vascular disease of the lower limbs: clinical indications and treatments. Invited lecture, Clinical Tutorial on Vascular Disease: Improving the Link Between Biomaterials Research and Clinical Needs and Applications, Society for Biomaterials Annual Meeting, Memphis, TN, 2005.
3. Genomic and proteomic approaches in peripheral vascular disease. Invited lecture, Lifeline Foundation Research Initiatives in Vascular Disease Conference, Washington, DC, 2006.
4. The Research Question and its Endpoints. Invited faculty. American College of Surgeons Clinical Trials Course, Chicago, IL, 2007.
5. Functional Genomics: Pearls and Pitfalls. Invited faculty. Fundamentals of Surgical Research Course, Association for Academic Surgery, New Orleans, LA, 2007.

6. Role of Aortouniiliac Devices in a Bifurcated World. Invited oral presentation, 2008 Vascular Annual Meeting, San Diego, CA 2008.
7. Vascular outcomes from thrombin to functional 'omics: A personal tour. Invited Keynote Lecture. King Pharmaceuticals, First Annual Science Day, Cary NC, 2008.
8. Welcome and Introduction. Program Co-Moderator. Association for Academic Surgery Career Development Course, San Francisco, CA, 2008.
9. Introduction to Vascular Surgery. American College of Surgeons, Division of Education, Medical Student Program, San Francisco, CA, 2008.
10. Alternative View: Hybrid Operating Rooms are Unnecessary – Modern C-arms and Angio Suites are More Versatile and Cost-Effective. Invited lecture, Society for Vascular Surgery, Vascular 2009, Denver, CO, 2009.
11. Angioscopic In Situ Saphenous Vein Bypass. Invited lecture, Society for Vascular Surgery, Vascular 2009, Denver, CO, 2009.
12. Welcome and Introduction. Program Co-Moderator. Association for Academic Surgery Career Development Course, Chicago, IL, 2009.
13. The Research Question and its Endpoints. Invited faculty. American College of Surgeons Clinical Trials Course, Chicago, IL, 2009.
14. Grant Preparation: An Investigator's Perspective. Invited lecture, American College of Surgeons Surgical Investigator Course, Bethesda, MD, 2010.
15. Fully Percutaneous EVAR: A New Standard of Care. Invited lecture, VEITH Symposium, New York, NY, 2010.
16. Request for Application (RFA)/Request for Proposal (RFP) Mechanisms vs. Investigator Initiated Research (IIR). Invited lecture, American College of Surgeons "Funding Your Research" Session. Washington, DC, 2010.
17. Optimizing the High-risk Patient for Surgery. Invited Moderator, American College of Surgeons Clinical Congress Session, Washington, DC, 2010.
18. Young Surgeons: What I Find Most Challenging at This Stage in My Career 8-10 Years Out in Academic Practice. Invited oral presentation, SVS Program for Students, Residents, and Young Surgeons, Vascular 2011, Chicago, IL, 2011.
19. AFX: A New EVAR Device for Infrarenal AAAs. Invited oral presentation, Endologix Aneurysm Symposium, Vascular 2011, Chicago, IL, 2011.
20. Contrast Agents, Allergies, and Renal Issues. Invited lecture, Society for Vascular Surgery, Advanced Imaging Techniques (IVUS, fusion, 3D ultrasound) Postgraduate Course, Washington, DC, 2012.
21. EVAR to FEVAR: Groundbreaking Foundational Technology. Invited lecture, VEITH Symposium, New York, NY, 2012.
22. Percutaneous Endovascular Aortic Aneurysm Repair (PEVAR): Results from the First Prospective, Multicenter Randomized Trial. Invited lecture, New Cardiovascular Horizons, New Orleans, LA, 2013.
23. Infrarenal vs. Suprarenal Fixation: Implications and Decision-Making. Invited lecture, New Cardiovascular Horizons, New Orleans, LA, 2013.
24. The Research Question and its Endpoints. Invited faculty. American College of Surgeons Clinical Trials Methods Course, Chicago, IL, 2013.
25. Basic Science Research, The Pathway. Co-Director, Introduction to Academic Vascular Surgery (IAVS) Course, Tampa, FL, 2014.

26. Data Collection: Keeping a Good Laboratory Notebook. Co-Director, Introduction to Academic Vascular Surgery (IAVS) Course, Tampa, FL, 2014.
27. Academics in the VA System: The Good, The Bad, The Ugly. Co-Director, Introduction to Academic Vascular Surgery (IAVS) Course, Tampa, FL, 2014.
28. Vascular Workforce and Career Opportunities. Invited lecture. SVS General Surgery Resident Program. VAM 2014, Boston, MA, 2014.
29. Current Status of Large Vessel Closure. Invited lecture. SVS Breakfast Session Symposium. VAM 2014, Boston, MA, 2014.
30. When is a short neck too short? When to consider FEVAR or snorkels, rather than an infrarenal graft. Invited lecture. SVS Postgraduate Course "Endovascular strategies for complex aortic scenarios". VAM 2016, Washington, DC, 2016.

Regional Meetings

1. Starting an Endovascular Practice. Invited lecture, Endovascular Course, 28th Annual Meeting New England Society for Vascular Surgery, Providence, RI, 2001.
2. Starting a research laboratory: Lessons learned as a new faculty member. Invited lecture, New England Vascular Surgery Fellows Basic Science Symposium, Boston, MA, 2001.
3. Intraoperative duplex assessment of infrainguinal reconstruction. Invited lecture, Vascular Ultrasound Course, 29th Annual Meeting New England Society for Vascular Surgery, Rockport, ME, 2002.
4. Pulmonary embolism and IVC interruption. Invited lecture, Modern Management of Venous Disease Course, 30th Annual Meeting, New England Society for Vascular Surgery, Newport, RI, 2003.
5. Advances in endovascular approaches to infrainguinal vascular disease: is it déjà vu all over again. Invited lecture, Vascular Surgery Postgraduate Course, Spring ACS Meeting, Vascular Postgraduate Course, Hollywood, FL, 2005.
6. Saphenous Vein Reflux Treatment: What's New? Invited lecture, Southern Association for Vascular Surgery, Venous Postgraduate Course, Naples, FL, 2011.
7. Plain Balloon Angioplasty of Tibial Arteries. Invited lecture, Southern Association for Vascular Surgery, Postgraduate Course, 2012, Scottsdale, AZ.
8. New EVAR Technologies to Expand Anatomical Boundaries. Invited lecture, New England Society for Vascular Surgery, Postgraduate Course, Boston, MA, 2012.
9. Access Options in Endovascular Aortic Aneurysm Repair (EVAR): Is PEVAR Now the Standard? Invited lecture. Mid-Ohio Endovascular Club, Columbus, OH, 2014.

Local/State Meetings

1. Changing face of vascular surgery. Invited lecture, Combined Surgical Grand Rounds, Worcester Medical Center/UMass Memorial Medical Center, Worcester, MA, 2002.
2. Vascular Injury: A critical role for thrombomodulin. Invited, lecture, New England Vascular Surgery Fellows Basic Science Symposium, Boston, MA, 2002.
3. Vascular Injury: A critical role for thrombomodulin. Invited guest lecture, Biogen, Inc., Cambridge, MA, 2002.
4. Changing face of vascular surgery. Invited Medical Staff Grand Rounds, Marlboro Hospital, Marlboro, MA, 2004.
5. Vascular injury: a critical role for thrombomodulin. Invited Grand Rounds, Division of Vascular Surgery, University of Florida College of Medicine, Gainesville, FL, 2004.

6. Endovascular Approaches to Cerebrovascular Disease. Surgical Grand Rounds. Department of Surgery, University of Florida College of Medicine, Gainesville, FL, 2004.
7. An update on endovascular AAA repair 2005: AneuRx, Excluder, and Zenith. Invited lecture, Endovascular Symposium, Florida Vascular Society Annual Meeting, Orlando, FL, 2005.
8. Endovascular Approaches to Peripheral Vascular Disease. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2005.
9. Endovascular coding: 2005 update. Invited Lecture, North Florida/South Georgia VISN8 Veteran's Health Administration. Gainesville, FL, 2005.
10. Biomedical engineering challenges in endovascular surgery today, 2006. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2006.
11. Are all endograft systems created equal-which graft for which situation? Invited lecture, 3rd Annual Endovascular Symposium, Florida Vascular Society, Coral Gables, FL, 2006.
12. EVAR with difficult anatomy. Invited lecture, 3rd Annual Endovascular Symposium, Florida Vascular Society, Coral Gables, FL, 2006.
13. Retrievable IVC filters-what's available and when to use them. Invited lecture, 3rd Annual Endovascular Symposium, Florida Vascular Society, Coral Gables, FL, 2006.
14. EVAR: unusual twists and bailout techniques. Invited lecture, 4th Annual Endovascular Symposium, Florida Vascular Society, St Petersburg, FL, 2007.
15. Mentored K-award grant program: a personal perspective. Invited lecture, Advanced Postgraduate Program in Clinical Investigation Seminar, University of Florida, Gainesville, FL, 2007.
16. Biomedical engineering challenges in aortic aneurysm treatment. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2007.
17. Biomedical engineering challenges in peripheral intervention. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2007.
18. Systemic inflammatory reaction following lower extremity revascularization. Poster presentation, University of Florida College of Medicine Research Day, Gainesville, FL, 2008.
19. Biomedical engineering challenges in aortic aneurysm treatment – 2008 update. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2008.
20. Biomedical engineering challenges in peripheral intervention – 2008 update. Invited anatomy course lecture, School of Biomedical Engineering, University of Florida, Gainesville, FL, 2008.
21. Building a better vein bypass graft – Present. Invited oral presentation, North Florida/South Georgia Veteran Health System Research Day, North Florida/South Georgia VAMC, Gainesville, FL 2008.
22. Mentored K-award grant program: a personal perspective. Invited lecture, Advanced Postgraduate Program in Clinical Investigation Seminar, University of Florida, Gainesville, FL, 2008.
23. How to succeed in getting mentored K-award funding. Invited lecture and panel, Introduction to Clinical and Translational Research Course, University of Florida, Gainesville, FL, 2008.
24. UF Comprehensive Vein Center: Initial beginnings and future possibilities. Department of Surgery Grand Rounds, University of Florida College of Medicine, Gainesville, FL, 2008.

25. Varicose Veins – Diagnosis and Treatment: “What you need to know but were afraid to ask”. Invited guest lecture, The Villages Healthcare Lecture Series, The Villages, FL 2009.
26. A Multidisciplinary Approach to Peripheral Arterial Disease: The VA Model. Invited lecture, Cardiology Grand Rounds, University of Florida College of Medicine, Gainesville, FL, 2009.
27. Does Systemic Inflammation Predict Lower Extremity Vein Bypass Graft Failure? Invited lecture, Department of Surgery Research Day, University of Florida College of Medicine, Gainesville, FL 2009.
28. How to succeed in getting mentored K-award funding. Invited lecture and panel, Introduction to Clinical and Translational Research Course, University of Florida, Gainesville, FL, 2009.
29. Does Systemic Inflammation Predict Lower Extremity Vein Bypass Graft Failure? Invited lecture, Department of Molecular Genetics and Microbiology, University of Florida College of Medicine, Gainesville, FL, 2009.
30. Does Systemic Inflammation Predict Lower Extremity Revascularization Failure? Invited lecture, Department of Medicine, Division of Cardiology, University of Florida College of Medicine, Gainesville, FL, 2009.
31. Grant Preparation: How to Get a K-Award Grant. Invited lecture, Advanced Postgraduate Program in Clinical Investigation Seminar, University of Florida, Gainesville, FL, 2010.
32. Fenestrated Aortic Stent Grafts: the Ventana Trial. Invited guest lecture, South Florida Society for Vascular Surgery, 2012, Islamorada, FL.
33. Venous Insufficiency and Varicose Veins: All you need to know but were afraid to ask. Invited lecture. University of South Florida Health lecture series, The Villages, FL, 2014.
34. Access Options for Endovascular Aortic Aneurysm Repair: Is PEVAR the New Standard? Invited Visiting Professor Lecture. Case Western Reserve University School of Medicine, Cleveland, OH, 2015.

PEER-REVIEWED PUBLICATIONS (Published):

1. Yamamura S, **Nelson PR**, Kent KC. The role of intracellular calcium in migration of human vascular smooth muscle cells. *Surgical Forum* 1995;46:386-8.
2. **Nelson PR**, Yamamura S, Kent KC. Extracellular matrix proteins are potent agonists of smooth muscle migration. *J Vasc Surg* 1996;24(1): 25-33.
3. Yamamura S, **Nelson PR**, Kent KC. The role of protein kinase C in attachment, spreading, and migration of human endothelial cells. *J Surg Res* 1996;63(1):349-54.
4. Yamamura S, **Nelson PR**, Mureebe L, Kent KC. Proliferation and migration of vascular smooth muscle cells are mediated by distinct signaling pathways involving phospholipase C. *Surgical Forum* 1996;47:362-4.
5. Jiang B, Yamamura S, **Nelson PR**, Mureebe L, Kent KC. Differential effects of platelet-derived growth factor isoforms on human smooth muscle cell proliferation and migration are mediated by distinct signaling pathways. *Surgery* 1996;120(2):427-32.
6. Itoh H, **Nelson PR**, Mureebe L, Horowitz A, Kent KC. The role of integrins in saphenous vein vascular smooth muscle cell migration. *J Vasc Surg* 1997;25(6):1061-9.
7. **Nelson PR**, Yamamura S, Kent KC. Platelet-derived growth factor and extracellular matrix proteins provide a synergistic stimulus for human vascular smooth muscle cell migration. *J Vasc Surg* 1997;26(1):104-12.
8. Mureebe L, **Nelson PR**, Yamamura S, Kent KC. The role of pp60 c-src in vascular smooth muscle cell migration. *Surgery* 1997;122(2):138-44.

9. Harrington EO, Löffler J, **Nelson PR**, Kent KC, Simons M, Ware JA. Enhancement of migration by protein kinase C α and inhibition of proliferation and cell cycle progression by protein kinase C δ in capillary endothelial cells. *J Biol Chem* 1997;272(11):7390-7.
10. **Nelson PR**, Yamamura S, Mureebe L, Itoh H, Kent KC. Smooth muscle cell migration and proliferation are mediated by distinct phases of activation of the intracellular messenger mitogen-activated protein kinase. *J Vasc Surg* 1998;27(1):117-25.
11. Itoh H, **Nelson PR**, Kaiura TL, Kent KC. Distinct signaling pathways mediate extracellular matrix protein versus PDGF induced smooth muscle cell migration. *Surgical Forum* 1998;49:311-3.
12. Arous EJ, **Nelson PR**, Yood SM, Kelly JJ, Sandor A, Litwin DEM. Hand-assisted, laparoscopic aortobifemoral bypass. *J Vasc Surg* 2000;31:1142-8.
13. Connors JP, Walsh DB, **Nelson PR**, Powell RJ, Fillinger MF, Zwolak RW, Cronenwett JL. Pedal branch artery (PBA) bypass: a viable limb salvage option. *J Vasc Surg*, 2000;32:1071-9.
14. Proia RR, **Nelson PR**, Mulligan-Kehoe MJ, Wagner RJ, Kehas AJ, Powell RJ. Endothelial cell overexpression of plasminogen activator inhibitor – 1 (PAI-1) inhibits smooth muscle cell migration. *Surgical Forum*, 2000;51:371-3.
15. **Nelson PR**, Kehas AJ, Wagner RJ, Proia RR, Cronenwett JL, Powell RJ. Smooth muscle cells alter endothelial cell regulation of smooth muscle cell migration. *Surgical Forum*, 2000;51:375-7.
16. **Nelson PR**, Arous EJ. Endovascular in-situ bypass decreases morbidity and hospital stay following infrainguinal arterial reconstruction. *J Endovasc Ther* 2000; 7:309-14.
17. **Nelson PR**, McEnaney PM, Callahan LA, Arous EJ. Impact of the endovascular-assisted in situ saphenous vein bypass technique on hospital costs. *Ann Vasc Surg* 2001;15:653-60.
18. Proia RR, Walsh DB, **Nelson PR**, Powell RJ, Fillinger MF, Zwolak RW, Cronenwett JL. Early results of infragenicular revascularization based solely on duplex arteriography. *J Vasc Surg*, 2001;33:1165-70.
19. **Nelson PR**, Powell RJ, Proia RR, Fillinger MF, Zwolak RM, Walsh DB, Cronenwett JL. Results of endovascular superficial femoral endarterectomy. *J Vasc Surg*, 2001;34:526-31.
20. Sturdivant AL, Labombard FE, **Nelson PR**, Fillinger MF, Zwolak RM. Ultrasound-Guided Compression Versus Ultrasound-Guided Percutaneous Thrombin Injection of Postcatheterization Pseudoaneurysm: Case Study. *J Vasc Tech*, 2001;25:105-8.
21. Li J, Singh MJ, **Nelson PR**, Hendricks G, Itani M, Rohrer MJ, Cutler BS. Immobilization of human thrombomodulin to expanded polytetrafluoroethylene. *J Surg Res*, 2002; 105:200-8.
22. **Nelson PR**, Kent KC. Microinjection of DNA into the nuclei of human vascular smooth muscle cells. *J Surg Res*, 2002; 106:202-8.
23. **Nelson PR**, Powell RJ, Schermerhorn ML, Fillinger MF, Zwolak RM, Walsh DB, Cronenwett JL. Early results of external iliac artery stenting combined with common femoral artery endarterectomy. *J Vasc Surg*, 2002;35:1107-13.
24. Proia RR, **Nelson PR**, Mulligan-Kehoe MJ, Wagner RJ, Kehas AJ, Powell RJ. The effect of endothelial cell overexpression of plasminogen activator inhibitor – 1 (PAI-1) on smooth muscle cell migration. *J Vasc Surg* 2002;36:164-71.
25. Lo C, Li J, Morris M, Vasiliu C, Rohrer MJ, Singh MJ, Cutler BS, **Nelson PR**. Superior Performance of Thrombomodulin Coated Small Caliber ePTFE Grafts. *Journal of Surgical Research* 2003;114 (2):263-4.
26. Cote M, Martella MB, Ligetti R, Cutler, BS, **Nelson PR**. Management of Hyperlipidemia in Peripheral Vascular Disease. *J Vasc Nursing*, 2003; 21:63-7.

27. Grassbaugh JA, **Nelson PR**, Rzucidlo EM, Schermerhorn ML, Fillingner MF, Powell RJ, Zwolak RM, Cronenwett JL, Walsh DB. Blinded comparison of preoperative duplex ultrasound and conventional arteriography for planning tibial level revascularization. *J Vasc Surg*, 2003; 37:1186-90.
28. Li J, Singh MJ, Vasiliu C, Hendricks G, Cutler BS, **Nelson PR**. Recombinant human thrombomodulin inhibits arterial neointimal hyperplasia following balloon injury. *J Vasc Surg*, 2004;39:1074-83.
29. Hollenbeck ST, **Nelson PR**, Yamamura S, Faries PL, Liu B, Kent KC. Intracellular calcium transients are necessary for platelet derived growth factor but not extracellular matrix protein induced vascular smooth muscle cell migration. *J Vasc Surg*, 2004;40:351-58.
30. Feezor RF, **Nelson PR**, Lee WA, Zingarelli W, Cendan JC. Laparoscopic repair of a type II endoleak. *J Laparoendosc Adv Surg Tech*, 2006;16:267-70.
31. Lee WA, **Nelson PR**. Sheath-assisted controlled deployment technique for Excluder bifurcated main body. *J Vasc Surg*, 2006;43:1060-3.
32. Lee WA, **Nelson PR**, Berceli SA, Seeger JM, Huber TS. Outcome after hypogastric bypass and embolization during endovascular aneurysm repair. *J Vasc Surg*, 2006;44:1162-8.
33. Childress BB, Berceli SA, **Nelson PR**, Lee WA, Ozaki CK. Impact of an absorbent silver-eluting dressing system on lower extremity revascularization wound complications. *Ann Vasc Surg*, 2007;21:598-602.
34. Feezor RF, Huber TS, Martin TD, Beaver TM, Hess PJ, Klodell CT, **Nelson PR**, Berceli SA, Seeger JM, Lee WA. Perioperative differences between endovascular repair of thoracic and abdominal aortic diseases. *J Vasc Surg*, 2007;45:86-9.
35. **Nelson PR**, O'Malley KA, Moldawer LL, Seeger JM. Genomic and proteomic determinants of lower extremity revascularization failure: Rationale and study design. *J Vasc Surg*, 2007;45:82A-91A.
36. Lee WA, Brown MP, **Nelson PR**, Huber TS. Total percutaneous access for endovascular aortic aneurysm repair ("Preclose technique"). *J Vasc Surg*, 2007;45:1095-1101.
37. McPhee JT, Asham EA, Rohrer MJ, Singh MJ, **Nelson PR**, Vorhies RW, Wong G, Cutler BS. The midterm results of treatment of traumatic thoracic aortic injuries with commercially available endografts. *J Surg Res*, 2007;138:181-8.
38. Li JM, Zhang X, **Nelson PR**, Odgren P, Nelson JD, Vasiliu C, Park J, Morris M, Lian J, Cutler BS, Newburger P. Temporal evolution of gene expression in rat carotid artery following balloon angioplasty. *J Cellular Biochem*, 2007;101:399-410.
39. Feezor RF, Huber TS, Berceli SA, **Nelson PR**, Seeger JM, Lee WA. Impact of endograft design and product line on endovascular aneurysm repair. *J Vasc Surg*, 2008;47:499-503.
40. Lee WA, Brown MP, **Nelson PR**, Huber TS, Seeger JM. Midterm outcomes of femoral arteries after percutaneous endovascular aortic aneurysm repair using the Preclose technique. *J Vasc Surg*, 2008;47:919-923.
41. Stasik CN, Berceli SA, **Nelson PR**, Lee WA, Ozaki KO. Functional outcome after redo below-knee amputation. *World J Surg*, 2008;32:1823-1826.
42. Krajcer Z, **Nelson PR**, Bianchi C, Rao V, Morasch MD, Bacharach JM. Percutaneous endovascular abdominal aortic aneurysm repair: Methods and initial outcomes from the first prospective, multicenter trial. *J Cardiovasc Surg*, 2011;52(5): 651-9.
43. Hong MS, Feezor RJ, **Nelson PR**. The advent of thoracic endovascular aortic repair is associated with broadened treatment eligibility and decreased overall mortality in traumatic thoracic aortic injury. *J Vasc Surg*, 2011;53:36-43.
44. Hong MS, Humphreys KD, Beck AW, **Nelson PR**. Emerging national trends in the management and outcomes in lower extremity peripheral artery disease. *Ann Vasc Surg*, 2011;25:44-54.

45. Scali ST, Feezor RJ, Chang CK, Stone DH, Goodney PP, **Nelson PR**, Huber TS, Beck AW. Safety of elective management of synchronous aortic disease with simultaneous thoracic and aortic stent graft placement. *J Vasc Surg* 2012;56:957-964.
46. Friedell ML, **Nelson PR**, Cheatham ML. Vena cava filter practices of a regional vascular surgery society. *Ann Vasc Surg*, 2012;26:630-635.
47. Butler K, Scali ST, Beck AW, Feezor RJ, **Nelson PR**, Berceli SA, Huber TS, Chang CK. Functional outcome and mortality after open and endovascular secondary intervention for thoracic endovascular aortic repair. *J Vasc Surg* 2013;57:293-294.
48. Allemang MT, Rajani RR, **Nelson PR**, Hingorani A, Kashyap VS. Prescribing Patterns of Antithrombotics are Highly Variable After Lower Extremity Endovascular Procedures. *Ann Vasc Surg*, 2013;27:62-67.
49. Lee C, **Nelson PR**. Effect of cilostazol prescribed in a pragmatic treatment program for intermittent claudication. *Vasc and Endovasc Surg*, 2014;48:224-229.
50. **Nelson PR**, Kracjer Z, Kansal N, Rao V, Bianchi C, Hashemi H, Jones P, and Bacharach JM. Multicenter, Randomized, Controlled Trial Outcomes of Totally Percutaneous Aortic Aneurysm Repair (The PEVAR Trial). *J Vasc Surg*, 2014;59:1181-94. **Timothy A String Presidential Award Paper, Southern Association for Vascular Surgery.**
51. Illig KA, Gabbard W, Calero A, Bailey C, Shames M, Armstrong P, **Nelson, PR**. Aggressive Costoclavicular Junction Decompression in Patients with Threatened AV Access. *Ann Vasc Surg*, 2015;29(4):698-703.
52. Lugo J, Tanious A, Armstrong PO, Back MR, Johnson BL, Shames ML, Moudgill N, **Nelson PR**, Illig KA. Acute Paget-Schroetter Syndrome: Does the First Rib routinely need to be removed after Thrombolysis? *Ann Vasc Surg*, 2015;29:1073-1077.
53. Rehfuss J, He Y, Schmit B, **Nelson PR**, Berceli SA, Scali S. The Correlation Between CT and Duplex Evaluation of Vein Bypass Grafts and Their Relationship to Graft Failure. *J Vasc Surg*, 2015;62:1546-1554. **Founder's Award Paper, Southern Association for Vascular Surgery.**
54. Bass HM, Beard RS, Cha BJ, Yuan SY, **Nelson PR**. Thrombomodulin Induces a Quiescent Phenotype and Inhibits Migration in Vascular Smooth Muscle Cells *In Vitro*. *Ann Vasc Surg*, 2016;30:149-156.
55. Desart K, O'Malley K, Schmitt B, Hong M, Restrepo C, Lopez MC, Moldawer LL, Baker HV, Berceli SA, **Nelson PR**. Systemic Inflammation as a Predictor of Clinical Outcomes Following Lower Extremity Angioplasty/Stenting. *J Vasc Surg*, 2016;64:766-78.
56. Duncan AA, Smeds MR, Harlander-Locke MP, Lawrence PF, Lyden SP, Fatima J, Charlton-Ouw KM, Morasch MM, Motaganahalli RL, **Nelson PR**, Sherene Shalhub S, Bove PG, Modrall JG, Davila VJ, Hedayati N, Abou-Zamzam A, Abularrage CJ, Wittgen CM. The Low Frequency Disease Consortium Collaborators. Treatment and Outcomes of Aortic Graft Infection. *J Vasc Surg*, 2016;63:332-340.

PEER-REVIEWED PUBLICATIONS (In Press):

1. Graves B, Karunathilake N, Hong MS, Fawcett T, **Nelson PR**. Trends, Charges, and Outcomes in Endovascular Therapy for Peripheral Arterial Disease in Florida. In Press, *J Vasc Surg*, 2016.
2. Diamond KR, Hong MS, **Nelson PR**. Outcomes and Predictors of Secondary Intervention Following Endovenous Radiofrequency Ablation for Chronic Venous Insufficiency. In Press, *J Vasc Surg*, 2015.

PEER-REVIEWED PUBLICATIONS (Submitted):

1. Arnold KE, Butler K, Fischer TD, Hong MS, **Nelson PR**. Disparity in Availability of Vascular Specialists in Florida and its Effect on Differential Rates of Major Lower Extremity Amputation. Submitted, J Vasc Surg, 2016.
2. Hong MS, Butler K, Fischer T, **Nelson PR**. The State of Endovenous Ablation for Venous Insufficiency in Florida. Submitted J Vasc Surg, 2016.
3. Rehfuss JP, DeSart KM, O'Malley KA, Moldawer LL, Baker HV, Wang Y, Wu R, **Nelson PR**, Berceli SA. Dynamic Changes in Monocyte Gene Expression are Associated with Lower Extremity Vein Graft Success. Submitted, Nature Genetics 2016.
4. **Nelson PR**. Percutaneous Endovascular Aortic Aneurysm Repair (PEVAR): Evidence, Technique and Pearls. Submitted, Seminars in Vascular Surgery, 2016.
5. Tanious A, Wooster, M; Jung, A; **Nelson, PR**; Back, MR, Shames, M. Endovascular Management of Proximal Fixation Loss Using Parallel Stent Grafting Techniques To Preserve Visceral Flow. Submitted, Ann Vascular Surg, 2016.
6. Tanious A, Wooster, M; Jung, A; **Nelson, PR**; Armstrong, PA, Shames, M. Comparison of the Integrated Vascular Surgery Resident Operative Experience and the Traditional Vascular Surgery Fellowship. Submitted, J Vasc Surg, 2016.
7. Tanious A, Wooster, M; Jung, A; **Nelson, PR**; Armstrong, PA, Shames, M. Open Abdominal Surgical Training Differences Experienced By Integrated Vascular And General Surgery Residents

INVITED OR REVIEW ARTICLES AND OTHER PUBLICATIONS:

1. **Nelson PR**, Lee WA. Endovascular repair of popliteal artery aneurysms. *Vascular*, 2006;14:297-304.
2. **Nelson PR**. Systemic Inflammatory Determinants of Lower Extremity Revascularization Failure. Master of Science Thesis, University of Florida, 2008.
3. **Nelson PR**, Kansal N. The Narrow Distal Aorta. *Endovasc Today*, 2012;11:79-83.
4. **Nelson PR**, Starnes BW. Perspectives: PEVAR in Practice. *Endovasc Today* 2013;9:31-34.
5. Singh MJ, Ellozy S, Eskandari MK, Milner R, Fairman RM, **Nelson PR**. Ask the Experts: What is Your Preferred EVAR Device and Why? *Endovasc Today* 2013;2:63-66.
6. **Nelson PR**, Loftus IM, Kolbel T. Ask the Experts: Penetrating Aortic Ulcer: When do you intervene? In Press, *Endovasc Today* 2015.

BOOKS AND BOOK CHAPTERS:

Editorial

1. **Nelson PR**, ed. *Vascular Surgery: Atlas of Operative Techniques*. McGraw-Hill Publishing, New York, NY, planned rolling republication Spring 2015, full publication Fall 2015.

Chapters

1. **Nelson PR**, Zwolak RM. "Chronic Mesenteric Ischemia" in *Decision-Making in Vascular Surgery*. W. B. Saunders Co. Editors, Cronenwett JL, Rutherford RB, 2001.
2. **Nelson PR**, McKinsey J. "Vascular Surgery" in *Essentials of General Surgery*, 5th Edition. Lippincott, Williams and Wilkins, Baltimore, MD. Editor, Lawrence PF, 2010.

3. **Nelson PR.** "Timeline for Promotion: An Overview of an Academic Career" in *Success in Academic Surgery*, 1st Edition. Springer-Verlag (London) Ltd. Editors, Chen H, Kao L, 2011.
4. **Nelson PR.** "Vascular Surgery" in *General Surgery Review*, 3rd Edition. Ladner-Drysdale, Washington, DC. Editor, Makary MA, 2013.
5. **Nelson PR.** "Timeline for Promotion: An Overview of an Academic Career" in *Success in Academic Surgery*, 2nd Edition. Springer-Verlag (London) Ltd. Editors, Chen H, Kao L, 2016.
6. **Nelson PR,** Richman J. "Basic Principles: Question and Hypothesis, Outcomes, Interventions, Patient Selection" in *Clinical Trials Design in Invasive Operative and Non Operative Procedures*. Springer Science. Editors, Itani K and Reda D. 2016.

ACTIVE ABSTRACTS ACCEPTED BUT NOT YET PUBLISHED:

1. Hong MS, Coons EM, O'Malley KA, Infantides C, **Nelson PR.** Quality of Life Outcomes Following Lower Extremity Revascularization. *Ann Vasc Surg*, 2014.
2. Schmit B, O'Malley K, Desart K, Berceli SA, **Nelson PR.** Pre-Operative Levels of Circulating Endothelial Cells in Peripheral Blood as a Predictor of Outcome in Lower Extremity Angioplasty. *ASC* 2014.
3. O'Malley KA, Novelo LG, Lopez MC, DeSart K, Butler K, Restrepo C, Moldawer LL, Berceli SA, Baker HV, Casella G, **Nelson PR.** Pre-operative Genome-wide Differences in Inflammatory Gene Expression Predict Success Versus Failure Lower Extremity Vein Bypass. *ASC* 2014.
4. He Y, **Nelson PR,** Hong MS, Tran-Son-Tay R, Berceli SA. Enhanced Systemic Inflammation Results in Loss of Vein Graft Lumen and Augments Adaptation to Increased Wall Shear. *VRIC* 2014.
5. He Y, **Nelson PR,** Hong MS, Tran-Son-Tay R, Berceli SA. Elevated Perioperative C-Reactive Protein Impedes Late Vein Graft Remodeling. *SVS VAM* 2014.
6. Calero A, Armstrong P, Back M, Johnson B, Shames M, Moudgill N, **Nelson PR,** Park B, Bandyk D, Illig KA. Axillobifemoral bypass in the 21st Century; Do Results Vary According to Operative Indication? *SCVS* 2015.
7. Wooster M, Shames M, Back M, Zweibel B, Armstrong P, Illig K, Moudgill N, **Nelson PR,** Johnson B. Expanding the Indications for use of EVAR and TEVAR Grafts with Parallel Stent Grafts: Early Experience with Snorkels and Chimneys. *SCVS* 2015.
8. He Y, Desart K, Butler K, Irwin A, **Nelson PR,** Berceli SA. Geometric remodeling of vein bypass grafts and the impact on graft failure. *SVS VAM* 2015.
9. Galambo F, Bass H, Beard R, Cha B, **Nelson P.** Development of a Co-Culture Injury Model for Studying Vascular Smooth Muscle Cell Migration In Vitro. *Academic Surgical Congress*, 2016.
10. Tanious A, Wooster M, Jung A, Giarelli N, **Nelson P,** Shames M. Contemporary Management of Failed EVAR. *SCVS*, 2016.
11. Tanious A, Wooster M, Jung A, Giarelli N, Zweibel B, **Nelson P,** Shames M. Trends in Presentation, Diagnosis, and Treatment of Type II Endoleaks. *SCVS*, 2016.
12. Tanious A, Carroll M, Wooster M, Jung A, Giarelli N, Back M, Zweibel B, **Nelson P,** Shames M. Eight-year experience with Type I Endoleaks at a Tertiary Care Center. *SCVS*, 2016.
13. Tanious A, Wooster M, Zweibel B, **Nelson P,** Shames M. Management and Classification of Endoleaks following Complex Thoracoabdominal Endovascular Grafting using Parallel Grafts. *VESS*, 2016.
14. Tanious A, Karunathilake N, Toro J, Abu-Hanna A, Fawcett T, Graves B, **Nelson, P.** Who Performs endovascular Aortic Aneurysm Repair? Accepted for poster presentation, *AHA* 2016.

EDUCATIONAL ACTIVITIES (Faculty/Mentor):

National Programs

- 2004 Faculty, "In-situ femoral-distal bypass: how I do it", Current Updates in Vascular and Endovascular Surgery, Harvard Medical School, Boston, MA.
- 2005 Faculty, "Vascular disease of the lower limbs: clinical indications and treatments." Clinical Tutorial on Vascular Disease: Improving the Link Between Biomaterials Research and Clinical Needs and Applications, Society for Biomaterials Annual Meeting, Memphis TN.
- 2007 – Faculty, "The Research Question and its Endpoints", American College of Surgeons Clinical Trials Methods Course, Chicago, IL.
- 2007 Faculty, "Functional Genomics: Pearls and Pitfalls". Fundamentals of Surgical Research Course, AAS, New Orleans, LA.
- 2008 Program Co-Chair, Career Development Course. Association for Academic Surgery, San Francisco, CA.
- 2009 Program Co-Chair, Career Development Course. Association for Academic Surgery, San Antonio, TX.
- 2010 Co-Moderator, "Optimizing the High-Risk Patient for Surgery", American College of Surgeons, Clinical Congress, Washington, DC.
- 2010 Faculty, "Request for Application (RFA)/Request for Proposal (RFP) Mechanisms vs. Investigator Initiated Research (IIR)", American College of Surgeons, "Getting Your Grant Funded" Course, ACS Clinical Congress, Washington, DC.
- 2010 Faculty, "Grant Preparation: An Investigator's Perspective", American College of Surgeons Surgical Investigator's Course, Bethesda, MD.
- 2010 Faculty, AAS/SUS Career Building Symposium, Academic Surgical Congress, San Antonio, TX.
- 2012 Faculty, "Contrast Agents, Allergies, and Renal Issues." Society for Vascular Surgery, Advanced Imaging Techniques (IVUS, fusion, 3D ultrasound) Postgraduate Course, Washington, DC.
- 2014 – Director, Percutaneous Endovascular Aortic Aneurysm Repair (PEVAR) Training Course. FDA sanctioned national training course for PEVAR preclose technique. University of South Florida and the Center for Advanced Medical Learning and Simulation, Tampa, FL.
- 2014 – Co-Director, Introduction to Academic Vascular Surgery (IAVS) Course. Academic and simulation training for medical students, surgical residents and fellows. University of South Florida and the Center for Advanced Medical Learning and Simulation, Tampa, FL.
- 2015 – Director, Cardiovascular and Endovascular Skills (CAVES) Course. Team training course for interventional team simulation and behavioral training. University of South Florida and the Center for Advanced Medical Learning and Simulation, Tampa, FL.
- 2015 Faculty, "Research Question and Endpoints", "Developing a Testable Hypothesis", A Primer in Clinical Trial Design. American College of Surgeons Clinical Congress, Chicago, IL.
- 2016 – Co-Director, Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA). Team and physician education and simulation training in the use of the latest REBOA techniques in trauma and other aortic catastrophes. Center for Advanced Medical Learning and Simulation, Tampa, FL.

Regional Programs

- 1999 Faculty, "Endovascular-assisted in situ saphenous vein bypass technique." Endovascular Course, 26th Annual Meeting, New England Society for Vascular Surgery, Chatham, MA.
- 2001 Faculty, "Starting an endovascular program." Endovascular Course, 28th Annual Meeting, New England Society for Vascular Surgery, Providence, RI.
- 2002 Faculty, "Intraoperative duplex assessment of infrainguinal reconstruction." Vascular Ultrasound Course, 29th Annual Meeting, New England Society for Vascular Surgery, Rockport, ME.
- 2003 Faculty, "Pulmonary embolism and IVC interruption", Modern Management of Venous Disease Course, 30th Annual Meeting, New England Society for Vascular Surgery, Newport, RI.
- 2005 Faculty, "Advances in endovascular therapy for infrainguinal vascular disease: is it déjà vu all over again", Spring ACS Vascular Postgraduate Course, American College of Surgeons, Hollywood, FL.
- 2005 Faculty, "An update on endovascular AAA repair 2005: AneuRx, Excluder, and Zenith." Endovascular Symposium, Florida Vascular Society Annual Meeting, Orlando, FL.
- 2006 Faculty, "Are all endografts created equal - which device for which situation?", "EVAR with difficult anatomy", "Retrievable IVC filters: what's available and what are the indications". Endovascular Symposium, Florida Vascular Society, Coral Gables, FL.
- 2007 Faculty, "EVAR: Unusual Twists and Bailout techniques". Endovascular Symposium, Florida Vascular Society, St. Petersburg, FL.
- 2008 Program Director, "Venous Forum" Postgraduate Course. Florida Vascular Society, Ponte Vedra, FL.
- 2011 Faculty, "Saphenous Vein Reflux Treatment: What's New?" Southern Association for Vascular Surgery, Venous Postgraduate Course, Naples, FL.
- 2012 Faculty, "Plain Balloon Angioplasty of the Tibial Arteries", Southern Association for Vascular Surgery, Postgraduate Course, Scottsdale, AZ.

Local Programs

- 2006 – 2008 Lecturer, "Biomechanics of Vascular Devices for Aortic and Peripheral Intervention", Biomedical Engineering Anatomy Course, University of Florida College of Medicine, Gainesville, FL.
- 2006 – 2012 Lecturer/Mentor, Medical Professionalism (MEL4012), University of Florida, Gainesville, FL.
- 2010 – 2012 Director, 3rd Year Medical Student Surgery Clerkship, University of Florida College of Medicine, Gainesville, FL.
- 2010 – 2012 Director, 4th Year Medical Student Sub-Internship, University of Florida College of Medicine, Gainesville, FL.
- 2013 Faculty, "Rationale for and Clinical Effectiveness of EVAR for Ruptured Aneurysm." USF Ruptured EVAR Course, CAMLS, Tampa, FL, 2013.
- 2013 – 2015 Director, Faculty, Percutaneous EVAR Course. University of South Florida and the Center for Advanced Medical Learning and Simulation, Tampa, FL.
- 2013 – Director, Medical Student Vascular Surgery Colloquium, University of South Florida Morsani College of Medicine, Tampa, FL.
- 2014 – Lecturer, "Genomics in Adult Health", Human Genomics in Medicine and Public Health (PHC 6934), University of South Florida, Tampa, FL.

Mentorship

Clinical Fellows

2001 – 2002	Michael J. Singh, MD	UMass Vascular Fellowship
2002 – 2004	Cheng Lo, MD	UMass Vascular Fellowship
2003 – 2004	Robert Vorhies, MD	UMass Vascular Fellowship
2004 – 2005	Majid Tayyarah, MD	UF Vascular Fellowship
2005 – 2007	Seth Fritcher, MD	UF Vascular Fellowship
2006 – 2008	Robert J. Feezor, MD	UF Vascular Fellowship
2007 – 2009	Daniel Martin, MD	UF Vascular Fellowship
2008	Christopher Seaver	UF Vascular Fellowship
2008 – 2010	Kevin Bruen, MD	UF Vascular Fellowship
2009	Peter Ellman, MD	UF TCV Fellowship
2009	Joel Corvera, MD	UF TCV Fellowship
2009	Hossain Masajpour	UF Plastics Surgery Fellowship
2009 – 2011	Brett Almond, MD, PhD	UF Vascular Fellowship
2010 – 2012	Alexis Jacob, MD	UF Vascular Fellowship
2010 – 2012	Arne Olsen, MD	UF Vascular Fellowship
2011 – 2013	Alyson Waterman, MD	UF Vascular Fellowship
2012 – 2013	Michael McNally, MD	UF Vascular Fellowship
2012 – 2013	Gaby Velazquez, MD	UF Vascular Fellowship
2013	Joanelle Lugo, MD	USF Vascular Fellowship
2013	Chelsea Lewis, MD	USF Integrated Vascular Residency
2013 – 2014	Charles Bailey, MD	USF Vascular fellowship
2013 – 2014	Aurelia Calero, MD	USF Integrated Vascular Residency
2013 – 2015	Alexis Powell, MD	USF Vascular Fellowship
2013 – 2015	Megan Carroll, MD	USF Integrated Vascular Residency
2013 – 2016	Gavin Davis, MD	USF Integrated Vascular Residency
2013 – 2017	Matthew Wooster, MD	USF Integrated Vascular Residency
2013 – 2018	Erin Green, MD	USF Integrated Vascular Residency
2013 – 2019	Adam Tanious, MD	USF Integrated Vascular Residency
2014 – 2016	Eduardo Rodriguez, MD	USF Vascular Fellowship
2014 – 2019	G. Ross Parkerson, MD	USF Integrated Vascular Residency
2014 – 2020	R. Wes Jones, MD	USF Integrated Vascular Residency
2015 – 2017	Mary Ottinger, MD	USF Vascular Fellowship
2015 – 2020	Danielle Fontenot, MD	USF Integrated Vascular Residency
2015 – 2020	Jeffrey Edwards, MD	USF Integrated Vascular Residency
2016 – 2018	Allie Sohn, MD	USF Vascular Fellowship
2016 – 2021	Isibor Arhuidese, MD, MPH	USF Integrated Vascular Residency
2016 – 2021	Mark Conant, MD	USF Integrated Vascular Residency

Research Fellows

1999 – 2001	Arthur Kehas	Dartmouth College
2001 – 2004	Marvin E. Morris, MD	UMass Medical School
2001 – 2004	Calin A. Vasiliu, MD	UMass Medical School
2002 – 2004	Jane Park, MD	UMass Medical School
2007 – 2008	Elizabeth Coons	New College
2007 – 2009	Ralph Martello	UF College of Medicine
2008 – 2009	John Debevits	University of Florida
2008	Cristos Ifantides	UF College of Medicine
2008 – 2009	Kevin Humphreys	UF College of Medicine
2009	Adam Godsey	UF College of Medicine
2009	Drew Taylor	UF College of Medicine
2009 – 2010	Alexander Coons	University of Florida
2009 – 2010	Constance Lee, MD	UF T32 Surgical Resident/Fellow
2009 – 2011	Michael Hong, MD	UF T32 Surgical Resident/Fellow
2010 – 2012	Joseph Black	University of Florida
2010 – 2012	Kyle Diamond	UF, University Scholars program
2010 – 2012	Kelly Arnold	UF, University Scholars program
2010 – 2012	Trevan Fischer, MD	UF T32 Surgical Resident/Fellow
2010 – 2012	Khayree Butler, MD	UF T32 Surgical Resident/Fellow

2011 – 2012	Kenneth Desart, MD	UF T32 Surgical Resident/Fellow
2014 – 2015	Latashia-Lika Lelea	USF Morsani College of Medicine
2015	Adarsh Bellur	USF MCOM Scholars Concentration Program
2015 – 2016	Faris Galambo	USF MCOM AHA Student Scholarship Recipient
2015 – 2016	Xun Zhang, MD, PhD	AHA Research Fellowship Recipient
2015 – 2016	Adam Tanious, MD	USF Integrated Vascular Research Resident
2016 – 2017	R. Wes Jones, MD	USF Integrated Vascular Research Resident

Resident/Student Advisees

2004 – 2008	Hugh Walters, MD	UF, General Surgery Residency
2005 – 2012	Tad Kim, MD	UF, General Surgery Residency
2007 – 2008	Jessica Clayton, MD	UF, General Surgery Residency
2007 – 2010	Gregory Faucher	UF College of Medicine
2007 – 2010	Devin Singh	UF College of Medicine
2008 – 2009	Josef Braun, MD	UF, General Surgery Residency
2008 – 2011	Karen (Kalei) Walker	UF College of Medicine
2008 – 2012	Lindsey Goldstein, MD	UF, General Surgery Residency

Clinical Preceptorships

2005 – 2006	Jim Schumacher	University of Florida, Bioengineering
2006	Carla Vidal	University of Florida
2006 – 2007	Karem Alvarez	University of Florida (MEL 4012)
2007	John Debevits	University of Florida (MEL 4012)
2007 – 2009	David Kowalczyk	University of Florida (MEL 4012)
2007	Jamie Tidwell	University of Florida (MEL 4012)
2007	Chelsea Magin	University of Florida, Bioengineering
2008	Marc Hermano	University of Florida (MEL 4012)
2008	Sunil Keshwah	University of Florida (MEL 4012)
2008	Rickey Patel	University of Florida (MEL 4012)
2008	Eduardo Hariton	University of Florida (MEL 4012)
2008	Greg Faucher	University of Florida (MEL 4012)
2009	John Saydi	University of Florida (MEL 4012)
2009	Canette Succe	University of Florida
2009	Edmire Souffrant	University of Florida (MEL 4012)
2009 – 2012	Kyle Diamond	University of Florida (MEL 4012)
2010	Michelle Duggan	University of Florida (MEL 4012)
2010	Rachel Glintz	University of Florida (MEL 4012)
2010	Vladimir Maymeskul	University of Florida (MEL 4012)
2010 – 2011	Yooni Yi	UF College of Medicine
2011	Shaina Varughese	University of Florida (MEL 4012)
2011	Yanet Perez-Garcia	University of Florida (MEL 4012)
2011	David Wilding	University of Florida (MEL 4012)
2011	Theresa Blue	University of Florida (MEL 4012)
2011	Leanne Dumeny	University of Florida
2011	Amanda Hunter	University of Florida
2011	Margarita Corredor	University of Florida
2012	Timothy Chong	University of Florida (MEL 4012)
2012	Laura Valente	University of Florida (MEL 4012)
2012	Colby Wolk	University of Florida (MEL 4012)
2014	Kevin Wu	James A. Haley VA Volunteer Services
2015 – 2016	Xun Zhang, MD, PhD	AHA Research Fellowship Recipient
2016	Andrea Burgess	University of South Florida