

# William Patrick Robinson III

Division of Vascular and Endovascular Surgery  
University of Massachusetts Medical School  
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University Campus  
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## EDUCATION

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Aug 1992-  
June 1996      **DAVIDSON COLLEGE**      Davidson, NC  
*Bachelor of Arts, History, cum laude*

- Varsity Football
- Captain Varsity Football 1995
- Senior Admissions Fellow, Office of Admissions

Aug 1996-  
June 2000      **SOUTHERN ILLINOIS UNIVERSITY**      Springfield, IL  
**SCHOOL OF MEDICINE**  
*Doctor of Medicine*

- Educational Policy Committee
- Student Representative Curriculum 2000 Task Force
- LCME Institutional Self-Study Task Force

Summer 2008,  
2009      **HARVARD SCHOOL OF PUBLIC HEALTH**      Boston, MA  
*Program in Clinical Effectiveness*

## RESIDENCY & FELLOWSHIP TRAINING

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July 2000 -  
July 2003      **UNIVERSITY OF NORTH CAROLINA HOSPITALS**      Chapel Hill, NC  
Intern in General Surgery (Postgraduate Year 1)  
Resident in General Surgery (Postgraduate Year 2-3)

- In-2-Skin. UNC Hospitals Steering Comm. on Preoperative Process

July 2003- July 2005	<b>NIH INJURY AND VASCULAR BIOLOGY RESEARCH FELLOWSHIP</b> Injury Research Laboratories, Department of Surgery University of North Carolina, Principal Investigator: Preston B. Rich, MD Trainee: William P. Robinson, MD (NIH T32GM008450) (Postgraduate Year 4-5)	Chapel Hill, NC
July 2005- June 2007	<b>UNIVERSITY OF NORTH CAROLINA HOSPITALS</b> Resident in General Surgery (Postgraduate Year 6) Chief Resident in General Surgery (Postgraduate Year 7)	Chapel Hill, NC
July 2007- June 2009	<b>BRIGHAM AND WOMEN'S HOSPITAL HARVARD MEDICAL SCHOOL</b> John Homans Fellow in Vascular and Endovascular Surgery (Postgraduate Year 8-9)	Boston, MA

#### **APPOINTMENTS & POSITIONS**

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June 1992 Aug 1992	<b>Research Assistant</b> Department of Molecular Biology and Pediatrics Washington University School of Medicine Preceptor: James Grant, MD	St. Louis, MO
June 1999- June 2000	<b>Research Assistant</b> Department of Surgery Southern Illinois University School of Medicine Preceptor: Gary L. Dunnington, MD	Springfield, IL
July 2003- June 2005	<b>Research Fellow</b> Injury Research Laboratories, Department of Surgery University of North Carolina Principal Investigator: Preston B. Rich, MD	Chapel Hill, NC
June 2004 June 2007	<b>Board of Directors</b> , Davidson Athletic Foundation Davidson College	Davidson, NC
July 2007 June 2009	<b>Clinical Fellow</b> Division of Vascular & Endovascular Surgery Brigham and Women's Hospital, Harvard Medical School	Boston, MA
Current	<b>Assistant Professor of Vascular and Endovascular Surgery</b> University of Massachusetts Medical School UMass Memorial Medical Center	Worcester, MA

#### **HONORS / AWARDS**

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1992- 1996	John Packard Scholarship <i>Merit-based award given to a Davidson student-athlete pursuing life sciences</i>
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- 1992-1996 Dr. Charles F. Myers - Burlington Scholarship  
*Merit-based academic award for premedical students*
- 1994 Omnicron Delta Kappa, National Leadership and Service Honor Society
- 1995 Charlotte Touchdown Club Student-Athlete Scholarship
- 1996 Carolina Panthers Scholarship of The Foundation for the Carolinas  
*Given to North Carolina college student-athlete for postgraduate study*
- 1998 Excellence in Pharmacology Award, SIU School of Medicine
- 1998-1999 General Assembly Scholarship  
*Merit-based full tuition scholarship awarded by Illinois General Assembly*
- 1999 Alpha Omega Alpha (elected Junior year)
- 2003 Ruth L. Kirschstein National Research Service Award  
*Supported laboratory research fellowship in injury and vascular biology*
- 2005 Winner, Endovascular Section, Allastair Karmody Poster Competition  
*Society for Clinical Vascular Surgery 33<sup>rd</sup> Symposium, Cora Gables, FL*
- 2005 1st Place, North Carolina American College of Surgeons Resident's Forum
- 2007 Kaiser Permanente Excellence in Teaching Award  
*Given by UNC Class of 2008 for teaching of third-year medical students*

#### **LICENSURE & CERTIFICATION**

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- 2004 National Board of Medical Examiners
- 2004- Drug Enforcement Agency
- 2004- Licensed Physician, State of North Carolina Board of Medicine # 200400160
- 2008- American Board of Surgery, Certification in Surgery, ID # 064890
- 2009- Active License, Commonwealth of Massachusetts Board of Registration in Medicine

#### **PROFESSIONAL ORGANIZATIONS**

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- 2000- Nathan Womack Surgery Society of the University of North Carolina
- 2002- American College of Surgeons, Candidate Group
- 2008- Society of Vascular Surgery, Candidate Group

#### **EDUCATIONAL ROLES**

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- 2003 Project Health Leon. Assistance and teaching program  
University of Leon Hospital, Leon, Nicaragua
- 2004- "Chairman's Lectures" for MS III Lectures

- 2005           UNC SOM with Chairman Emeritus George Sheldon, MD
- 2004           Instructor, Suture Workshop  
                   UNC Student Surgery Interest Group

## **ORIGINAL REPORTS**

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1. Rich PB, Dulabon GR, Douillet CD, Listwa TM, **Robinson WP**, Zarzaur BL, Pearlstein R, Katz LM. Infrared thermography: a rapid, portable, and accurate technique to detect pneumothorax. *J Surg Res* 2004;120: 163-170.
2. Douillet CD, **Robinson WP**, Zarzaur ZL, Lazarowski ER, Boucher RC, and Rich PB. Mechanical ventilation alters airway nucleotides and purinoceptor expression in lung and extrapulmonary organs. *Am J Respir Cell Mol Biol* 2005;32:52-8.
3. **Robinson WP III**, Ahn J , Stiffler A, Rutherford EJ, Hurd H, Zarzaur LB, Baker CC, Meyer AA, Rich PB. Blood transfusion is an independent predictor of increased mortality in nonoperatively-managed blunt hepatic and splenic injuries. *J Trauma* 2005;58:437-44.
4. **Robinson WP III**, Detterbeck, FC, Hendren, R, and Keagy BA. Fulminant Development of Mega-aorta due to Takayasu's Arteritis: Case Report and Review of the Literature. *Vascular* 2005;13:178-83.
5. Douillet CD, Suy S, Zarzaur BL, **Robinson WP III**, Milano PM, Boucher RC, Rich PB. Measurement of free and bound fractions of extracellular ATP in biological solutions using bioluminescence. *Luminescence* 2005;20:435-441.
6. **Robinson WP III**, Douillet CD, Milano, PM, Boucher RC, Patterson C, and Rich PB. ATP stimulates MMP-2 release from human aortic smooth muscle cells via the JNK signaling pathways. *Am J Physiol Heart Circ Physiol* 2006;290:H1988-96.
7. Douillet CD, **Robinson WP**, Milano PM, Boucher RC, Rich PB. Nucleotides Induce IL-6 Release from Human Airway Epithelia via P2Y2 and p38 MAPK-Dependent Pathways. *Am J Physiol Lung Cell Mol Physiol* 2006;291:L734-46.
8. Milano PM, Douillet CD, Reisenman PJ, **Robinson WP III**, Beidler SK, Zarzaur BL, Rich PB. Intestinal Ischemia-Reperfusion Injury Alters Purinergic Receptor Expression in Clinically Relevant Extraintestinal Organs. *J Surg Res* 2008 Apr;145:272-8.
10. **Robinson WP**, Owens CD, Nguyen LL, Chong TT, Conte MS, Belkin M. Inferior Outcomes of Autogenous Infrainguinal Bypass in Hispanics: an Analysis of Ethnicity, Graft Function, and Limb Salvage. *J Vasc Surg* 2009 Jun;49(6): 1416-25.
11. Funk LM, **Robinson WP**, Menard, MT. Surgical treatment of an infected popliteal artery aneurysm 12 years following aneurysm exclusion and bypass: a case report and review of the literature. Submitted *J Vasc Surg* Jun 2008.

## BOOK CHAPTERS AND REVIEWS

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1. **Robinson WP III** and Belkin M. “Acute Limb Ischemia due to Popliteal Artery Aneurysm: A Continuing Surgical Challenge”. *Semin Vasc Surg* 2008 Mar; 22(1):17-24.
2. **Robinson WP III** and Menard MT. “Laparoscopic Peritoneal Dialysis Catheter Placement” in: Ashley SW and Vernon AH (ed). *Atlas of Minimally Invasive Surgical Techniques*. (in press)
3. **Robinson WP III**, Menard MT, and Belkin M. “Femoropopliteal and Tibial Occlusive Disease” in: Mullholland et al (ed). *Greenfield’s Surgery: Scientific Principles and Practice, 5<sup>th</sup> Edition*. (in press)

## ABSTRACTS

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- 2004 Zarzaur BL, Rich PB, Meyer AA, **Robinson WP**, Rutherford EJ. Follow-up imaging of non-operative managed liver and spleen injuries: a retrospective review. NC Chapter of the American College of Surgeons Committee on Trauma, Wilmington, NC Received 2<sup>nd</sup> place award
- 2005 Douillet CD, **Robinson WP III**, Milano PM, Boucher RC, Rich PB. Extracellular nucleotides induce small airway epithelial cell IL-6 secretion via p38 MAPK and Ca<sup>2+</sup> dependent pathways. American Thoracic Society, Orlando, FL
- 2005 Milano PM, Douillet CD, **Robinson WP**, Rich PR. ATP is elevated in the cerebrospinal fluid of patients with traumatic brain injury. North Carolina American College of Surgeons Committee on Trauma Resident and Fellow Research Competition, Asheville, NC
- 2006 Milano PM, Douillet CD, Zarzaur B, **Robinson WP III**, Beidler S, Rich PB. Purinergic receptor expression is altered in extra-intestinal organs following intestinal ischemia/reperfusion injury. Society of University Surgeons, San Diego, CA

## PRESENTATIONS

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- 2003 “Extracellular Nucleotides and Ventilator-Induced Lung Injury” Trauma and Burn Research Symposium, UNCH / Jaycees Burn Center, Chapel Hill, NC
- 2004 “Extracellular Nucleotides Modulate MMP-2 Expression from Aortic Smooth Muscle Cells” Research Symposium, University of North Carolina May Day Trauma Conference, Chapel Hill, NC
- 2004 “Blood Transfusion is an Independent Predictor of Increased Mortality in Nonoperatively-Managed Blunt Hepatic and Splenic Injuries” American Association for the Surgery of Trauma, Maui, HA

- 2005 “Extracellular ATP stimulates Matrix Metalloproteinase-2 Release from Human Aortic Smooth Muscle Cells”  
Society of University Surgeons, Nashville, TN
- 2005 “Endovascular Repair of Ruptured Abdominal Aortic Aneurysms Decreases Perioperative Complications in Comparison to Open Repair”  
Oral poster presentation at the Society for Clinical Vascular Surgery 33<sup>rd</sup> Annual Symposium on Vascular Surgery, Cora Gables, FL
- 2005 “ATP Stimulates MMP-2 Release from Human Aortic Smooth Muscle Cells via Dual ERK1/2 and JNK Signaling Pathways”  
North Carolina American College of Surgeons Resident’s Forum Research Competition, Asheville, NC
- 2005 “Endovascular Repair of Ruptured Abdominal Aortic Aneurysms”  
WakeMed Surgery Conference, WakeMed Hospital, Raleigh, NC
- 2005 “Extracellular ATP Modulates MMP-1 and TIMP-1 Release from Human Aortic Smooth Muscle Cells via the JNK Signaling Pathway”  
Midwest Vascular 2005, Meeting of the Midwestern Vascular Surgical Society, Chicago, IL
- 2005 “Nucleotides Regulate Vessel Matrix Metabolism: Implications for Vascular Disease”  
University of North Carolina Department of Surgery Grand Rounds, Chapel Hill, NC
- 2008 “Inferior Outcomes of Autogenous Infrainguinal Bypass in Hispanics: an Analysis of Ethnicity, Graft Function, and Limb Salvage”  
24<sup>th</sup> Annual Vascular Fellows Abstract Presentation, New York, NY
- 2008 “Inferior Outcomes of Autogenous Infrainguinal Bypass in Hispanics: an Analysis of Ethnicity, Graft Function, and Limb Salvage”  
New England Vascular Surgery Meeting, Newport, RI
- 2009 “Surgical Repair of Complex Renal Artery Aneurysms: Favorable Outcomes with *In Situ* Techniques”  
accepted for presentation at New England Vascular Surgery Meeting, Boston, MA
- 2009 “Repeat Angioplasty and Stenting for Femoropopliteal Occlusive Disease: Factors affecting Outcomes of the Second-Time Endovascular Intervention”  
accepted for presentation at New England Vascular Surgery Meeting, Boston, MA

## POSTERS

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- 2004 Douillet CD, **Robinson WP**, Suy S, Lazarowski E, Boucher RC, Rich PB. Composition of adenyly nucleotides in lung fluid is altered by common modes of mechanical ventilation.  
*Purines 2004*, Chapel Hill, NC
- 2004 Douillet CD, **Robinson WP**, Zarzaur BL, Boucher RC, Rich PB. Purinoceptor expression patterns in lung and extrapulmonary tissues are altered by mechanical ventilation.  
*Purines 2004*, Chapel Hill, NC

- 2004 Douillet CD, **Robinson WP**, Zarzaur BZ, Boucher RC, Rich PB. ATP and its metabolites alter lung fluid dynamics and cytokine release associated with ventilator induced lung injury. *Purines 2004*, Chapel Hill, NC
- 2004 Suy S, Douillet CD, **Robinson WP**, Zarzaur BL, Grubb B, Boucher RC, Rich PB. Measurement of free and bound extracellular ATP fractions in biological solutions. *Purines 2004*, Chapel Hill, NC
- 2006 Milano PM, Douillet CD, **Robinson WP III**, Beidler SK, Rich PB. Extracellular Nucleotides Are Elevated In The Cerebrospinal Fluid Of Patients With Traumatic Brain Injury: Correlation with Specific Markers of Cellular Injury, Oxidative Damage, and Inflammation  
ACS Clinical Congress 2006, Chicago, IL