

**Susan Rowell**  
**Trauma/Critical Care Section**  
**Division of General Surgery**  
**Department of Surgery**  
**Oregon Health & Science University**  
**3181 SW Sam Jackson Park Road-L611**  
**Portland, OR 97239**

**Current Position:**

- 7/2008 - present Assistant Professor of Surgery, Department of Surgery, Section of Trauma and Surgical Critical Care  
Oregon Health & Science University; Portland, Oregon
- 7/2007 - 6/2008 Instructor of Surgery, Department of Surgery, Section of Trauma and Surgical Critical Care  
Oregon Health & Science University; Portland, Oregon

**Education and Training:**

- 2006-2007 Fellow, Surgical Critical Care  
Oregon Health & Science University; Portland, OR
- 2005-2006 Chief Resident, Department of Surgery  
University of California, Davis; Sacramento, CA
- 2000-2005 Resident, Department of Surgery  
University of California, Davis; Sacramento, CA
- 1995-2000 Doctor of Medicine  
University of California Davis School of Medicine; Davis, California
- 1991-1994 Post-Baccalaureate study, Biology  
California State University, Fresno; Fresno, California
- 1983-1988 B.S. Finance & Management  
California State University, Fresno; Fresno, California

**Honors & Awards:**

- 2008 Association for Clinical Research Training Burroughs-Wellcome Fund Award to attend the Clinical Research  
Scholars Annual Meeting, Washington D.C.
- 2001 Outstanding Teaching Award, Department of Surgery, University of California, Davis
- 2000 Award for Excellence in Surgery, Department of Surgery, University of California, Davis
- 1998 Alpha Omega Alpha Honor Medical Society, Junior year
- 1995 UC Davis School of Medicine Alumni Award for achievement and community service

**Licensure & Certification:**

- |  |                                     |
|--|-------------------------------------|
| Added Qualification, Surgical Critical Care                  | Expires July 2018                   |
| Certified, American Board of Surgery                         | Expires July 2017                   |
| Oregon Board of Medical Examiners, Medical License           | Expires December 2007               |
| Medical Board of California, Physician and Surgeon License # | Inactive                            |
| Advanced Trauma Life Support                                 | Expires April 2011                  |
| Advanced Cardiac Life Support                                | Expires June 2008                   |
| American Board of Surgery In-Training Exam:                  | PGY 1 – 99 <sup>th</sup> percentile |
|  | PGY 2 – 93 <sup>rd</sup> percentile |
|  | PGY 3 – 95 <sup>th</sup> percentile |
|  | PGY 4 – 82 <sup>nd</sup> percentile |
|  | PGY 5 – 96 <sup>th</sup> percentile |

**Professional Societies:**

- |   |              |
|---|--------------|
| Association for Academic Surgery                          | 2007-present |
| American College of Surgeons, Associate Fellow            | 2001-present |
| Society of Critical Care Medicine                         | 2006-present |
| Portland Surgical Society                                 | 2006-present |
| Oregon Medical Society                                    | 2006-present |
| American Medical Association                              | 2006-present |
| President, Alpha Omega Alpha, UC Davis School of Medicine | 1999-2000    |

### **Committee Memberships:**

Institutional Review Board, Oregon Health & Science University	2007-present
Oregon State Committee on Trauma	2007-present
Area Trauma Advisory Board, System Assurance Group, Portland OR	2007-present
Trauma Committee, Oregon Health & Science University	2007-present
International Trauma Registry Development Taskforce Fogarty International/NIH	2007-present
Planning Committee, International Collaborative Trauma and Injury Research Training Program, Oregon Health & Science University	2007-present
ICU Design Committee, Society of Critical Care Medicine	2007-present
Central Venous Catheter Protocol Development Committee Oregon Health & Science University	2006-present
Organ Donation Committee Oregon Health & Science University	2006-present
Surgery Residency Steering Committee UC Davis Medical Center	2000-2002
Resident Medical Staff Committee UC Davis Medical Center	2000-2001
Admissions Committee UC Davis School of Medicine	1998-2000
California Medical Association and American Medical Association, Medical Student Section	1995-1998

### **Research Training:**

Human Investigations Program/Master of Clinical Research (NIH K30 training grant supported) Oregon Health & Science University; Portland, OR	2006-2008
Master of Clinical Research Program Oregon Health & Science University; Portland, OR	2008-present
Fellow, Resuscitations Outcome Consortium (NIH) Oregon Health & Science University; Portland, OR	2006-present

### **Current Research Projects:**

The role of gender and sex hormones in injured patients  
Economic analysis of the acute care surgery model  
Characterization of a novel fibrinogen hemostatic agent in a rat liver injury model

### **Faculty Mentors:**

Martin A. Schreiber, MD FACS, Associate Professor of Surgery  
Chief of Trauma and Surgical Critical Care, Department of Surgery  
Oregon Health & Science University; Portland, OR

Nabil Alkayed, MD, Ph.D., Associate Professor of Anesthesiology  
Director, Oregon Health & Science University Gender Based Studies Institute  
Oregon Health & Science University, Portland, OR

Bob Lowe, MD, Associate Professor of Emergency Medicine  
Director, Center for Policy and Research in Emergency Medicine  
Oregon Health & Science University; Portland, OR

### **Grant Submissions:**

Oregon Scholars in Clinical Research KL2  
Sex Hormone Surge after Injury as a Predictor of Clinical Outcome  
February 2008

American Association for the Surgery of Trauma Research Scholarship (\$40,000)  
Sex Hormone Surge after Injury as a Predictor of Clinical Outcome  
February 2008

Doris Duke Clinical Scientist Development Award (\$135,000/yr x 3 yrs)  
Sex Hormone Rise after Injury Independently Predicts Clinical Outcomes  
January 2008

Research Center for Gender Based Medicine Seed Funding Grant (\$20,000)  
Sex Hormones, Cytokines, and Outcome in Injured Premenopausal Women

December 2007

C. James Carrico Faculty Research Fellowship, American College of Surgeons (\$40,000/yr x 2 years)  
A Prospective Trial Evaluating Gender, Sex Hormones and Outcome in Injured Patients  
October 2007

NIH Loan Repayment Grant  
Sex Hormones, Cytokines, and Outcome in Injured Patients  
December 2007

NIH Loan Repayment Grant  
Correlation of Sex Hormone Levels and Hypercoagulability with Outcome  
in Injured Patients Using Thromboelastography  
December 2006

### **Publications:**

**Rowell S**, Foster S, Graves G Percutaneous CT-Guided Radiofrequency Ablation of Stage I Non-Small-Cell Lung Cancer. *Proceedings of the 2<sup>nd</sup> Pan Pacific Lung Cancer Conference*, November 6-8, 2004, Hong Kong, China.  
Lee SL, **Rowell S**, Greenholz, SK. Therapeutic cecostomy tubes in infants with imperforate anus and caudal agenesis. *J Pediatr Surg*. 2002;37(3):345-7.  
Bohringer CH, Jahr JS, **Rowell S**, Mayer K. Severe hypotension in a patient receiving Pemoline during general anesthesia. *Anesth Analg*. 2000;91(5):1131-3.  
Stewart RJ, Noel B, Moore TM, **Rowell S**, Churukian K, Yamaguchi KT. Lipid peroxidation in selected organ systems. *Journal of Undersea and Hyperbaric Medicine*. 1999.  
Battistella FD, **Rowell SE**, Owings JT, Blaisdell FW. In-house availability of trauma surgeons: surgeon experience and cost. *J Trauma*. 1998;45:199.

### **Scientific Presentations:**

Therapeutic cecostomy tubes in infants with imperforate anus and caudal agenesis. Lee SL, **Rowell S**, Greenholz, SK. 32<sup>nd</sup> annual meeting of the American Pediatric Surgical Association, May 20-23, 2001, Naples, Florida.  
Utility of diagnostic on-table angiogram to detect vascular injury in patients undergoing urgent operation. Anderson JT, **Rowell S**, Nguyen T, Wisner D. 60<sup>th</sup> annual meeting of the American Association for the Surgery of Trauma, October 12-14, 2000, San Antonio, Texas.  
Treatment of burn wounds with hyperbaric oxygen: effect on high energy phosphates and collagen. RJ Stewart, M Alley, **S Rowell**, KT Yamaguchi. Undersea and Hyperbaric Medical Society Pacific Chapter, October 29-31, 1992, Travis Air Force Base, California.  
The effect of hyperbaric oxygen generated free radicals on formation of MDA, a lipid peroxidation product. RP Madrigal, K Churukian, RJ Stewart, **S Rowell**, KT Yamaguchi. Central California Research Symposium, April 30, 1992, Fresno, California.

### **Local Presentations:**

Prehospital Resuscitation of Injured Patients, Oregon Health & Science University Surgery Grand Rounds  
Portland, Oregon; May 21<sup>st</sup>, 2007  
Management of the Difficult Airway, Oregon EMS Association Timberline Conference,  
Timberline, Oregon; May 5<sup>th</sup>, 2007  
Hypertonic Resuscitation After Injury, UC Davis Medical Center Department of Surgery Grand Rounds  
Sacramento, CA; June 6<sup>th</sup>, 2006  
The Evolution of Damage Control Surgery, UC Davis Medical Center Department of Surgery Grand Rounds  
Sacramento, CA; March 14<sup>th</sup>, 2006  
Craniosynostosis, UC Davis Medical Center Department of Otorhinolaryngology Grand Rounds  
Sacramento, CA; September 1999

### **Teaching:**

Advanced Trauma Life Support Course Educator	March 2007-present
Fundamentals of Critical Care Support Course Educator	May 2007 - present
Volunteer Faculty Dissector, Department of Anatomy, Oregon Health & Science University School of Medicine	Fall 2007 - present
Principles of Clinical Medicine, Student Preceptor Oregon Health & Science University School of Medicine	Fall 2007 - present
American College of Surgeons, Certified Ultrasound Instructor	Fall 2007 - present