

SURGICAL TRAINING

Oregon Health & Science University
Intern, General Surgery Jun 2008 – Jun 2009

Oregon Health & Science University
Resident, General Surgery Jul 2009 – Jun 2014

University of Texas Houston Affiliated Hospitals
Colon and Rectal Clinic of Houston
Resident, Colon and Rectal Surgery Jul 2014 – Jun 2015

EDUCATION

University of Chicago Pritzker School of Medicine
M.D. Sept 2004 – Jun 2008

Haverford College
B.S. in Chemistry, Concentration in Biochemistry Sept 2000 – Jun 2004
Thesis: Hydrothermal synthesis of novel vanadium sulfate crystal compounds

TEACHING EXPERIENCE

University of Chicago, Biological Science Division
Teaching Assistant – Human Morphology, MS1 class Sept-Dec 2005, Jan-Mar 2007

Duties included:

- Prosection prior to anatomy lab
- Direct supervision during anatomy lab
- Formal review sessions in preparation for exams
- Histology review and lab supervision
- Preparing practice examination

Haverford College, Department of Chemistry
Teaching assistant and tutor Sept 2001- Jun 2004

Duties included:

- Staff for Chemistry Questions Center weekly
- Grading organic chemistry homework/exams
- Tutor for up to 4 chemistry students at a time (organic and general chemistry)

RESEARCH EXPERIENCE

Trauma Research Institute of Oregon
Oregon Health & Science University
Research fellow Jul 2011 – Present

- Research study in coagulation in post-hepatectomy patients
- Research studies in coagulation in general surgery and trauma patients
- Research study in deep vein thrombosis in pediatric trauma patients
- Research study in utility of chest computer tomography scanning in pediatric trauma

Robert Scarrow Laboratory
Haverford College
Research assistant Jun 2003 – Aug 2003

- Inorganic and bioinorganic research laboratory study focused on reactivity of oxygen with metalloproteins

Harvey Rubin Laboratory
Hospital of the University of Pennsylvania
Laboratory technician Jun 2002 – Aug 2002

Department of Infectious Disease

- Synthesis and characterization of tuberculosis proteins, investigating the pathogenesis of dormancy of *Mycobacterium tuberculosis*

Wei-Jen Tang Laboratory

Ben May Department for Cancer Research, University of Chicago

Research assistant

- Organic synthesis of small molecule inhibitors for the edema toxin of *Bacillus anthracis*

Jun 2005 – Aug 2005

PUBLISHED ABSTRACTS

J. S. Barton, G. M. Riha, J. A. Differding *et al*, "Coagulopathy Following Liver Resection: Is It Overdiagnosed and Overtreated?" *HPB* 14;2012:S8.

PUBLICATIONS

Barton, J. S., Riha, G. M., Differding, J. A., Underwood, S. J., Curren, J. L., Sheppard, B. C., Pommier, R. F., Orloff, S. L., Schreiber, M. A. and Billingsley, K. G. (2013), Coagulopathy after a liver resection: is it over diagnosed and over treated?. *HPB*. 2013 Jan epub.

Lee, T. H., Watson K. M., Fabricant, L. J., **Barton J. S.**, Differding J. A., Kremenevskiy I., Sands, C. L., Wiles C. L., Watters J. M., and Schreiber M. A. (2013), Hyperosmolar Reconstituted Lyophilized Plasma is an Effective Low Volume Hemostatic Resuscitation Fluid for Trauma. *J Trauma Acute Care Surg*. 2013 Sep;75(3):369-75

Louis SG, Sato M, Geraci T, Anderson R, Cho SD, Van PY, **Barton JS**, Riha GM, Underwood S, Differding J, Watters JM, Schreiber MA .Correlation of missed doses of enoxaparin with increased incidence of deep vein thrombosis in trauma and general surgery patients. *JAMA Surg*. 2014 Apr 1;149(4):365-70.

Louis SG, Van PY, Riha GM, **Barton JS**, Kunio NR, Underwood SJ, Differding JA, Rick E, Ginzburg E, Schreiber MA. Thromboelastogram-guided enoxaparin dosing does not confer protection from deep venous thrombosis: a randomized controlled pilot trial. *J Trauma Acute Care Surg*. 2014 Apr;76(4):937-42.

Louis SG, **Barton JS**, Riha GM, Orloff SL, Sheppard BC, Pommier RF, Underwood SJ, Differding JA, Schreiber MA, Billingsley KG. The international normalized ratio overestimates coagulopathy in patients after major hepatectomy. *Am J Surg*. 2014 May;207(5):723-7.

Barton JS, Karmur A, Preston JM, Sheppard BS. Familial Jejuno-Ileal Diverticulitis: A Case Report and Review of the Literature. *Int J Surg Case Rep*. 2014 Nov 1;5(12):1038-1040.

Cook MR, Watters JM, **Barton JS**, Kamin C, Brown SN, Deveney KE, Kiraly LN. A Flexible Postoperative Debriefing Process Can Effectively Provide Formative Resident Feedback. *J Am Coll Surg*. Accepted for publication.

LOCAL AND REGIONAL PRESENTATIONS

MG: Case Presentation of Anal Achalasia

Presenter

4th Annual Campbell Lecture in Pediatric Surgery
Guest Speaker: Jay Grosfeld, MD
Portland, OR

May 26th 2011

Interest in International Surgical Volunteerism: Results of a Survey of Members of the American Pediatric Surgical Association

Presenter

6th Combined Annual Meeting Washington State and Oregon Chapters, American College of Surgeons
Lake Chelan, WA

June 20th 2011

Uncontrolled Hemorrhagic Shock Results in a Hypercoagulable State Modulated by Initial Fluid Resuscitation Regimens

Presenter

American College of Surgeons Committee on Trauma Region X Residents Trauma Papers Competition
Olympia, Washington

December 3rd, 2011

FO: Case Presentation of Imperforate Anus and Laparoscopic Assisted Anorectal Pullthrough

Presenter 5 th Annual Campbell Lecture in Pediatric Surgery Guest Speaker: Keith Georgeson, MD Portland, OR	May 3rd, 2012
INR Fails to Accurately Portray Coagulation Status Following Liver Resection Presenter Oregon Health and Science University Research Week Portland, OR	May 9th, 2012
Pediatric Venous Thromboembolism Following Trauma: A Review of the National Trauma Data Bank Presenter Portland Surgical Society, 65 th Annual Scientific Session Portland, OR	June 16th, 2012
INR Fails to Accurately Portray Coagulation Status Following Liver Resection Presenter 7 th Combined Annual Meeting Washington State and Oregon Chapters, American College of Surgeons Sun River, OR	June 1st, 2012
Colorectal Controversies for the General Surgeon Presenter Surgical Grand Rounds, Providence St. Vincent Medical Center Portland, OR	March 6th, 2014

NATIONAL AND INTERNATIONAL POSTERS

INR Fails to Accurately Portray Coagulation Status Following Liver Resection Presenter 84 th Annual Meeting of the Pacific Coast Surgical Association Kauai, HI	February 17th, 2013
Utility of Chest CT Scan in Pediatric Trauma: A Review of Two Level I Trauma Centers Author 46 th Annual Meeting of the Pacific Association of Pediatric Surgeons Hunter Valley, NSW, Australia	April 8th, 2013

NATIONAL AND INTERNATIONAL PRESENTATIONS

Coagulopathy Following Liver Resection: Is It Overdiagnosed and Overtreated? Presenter Americas Hepato-Pancreato-Biliary Association Miami, FL	March 11th, 2012
Coagulopathy Following Liver Resection: Is It Overdiagnosed and Overtreated? Presenter International Hepato-Pancreato-Biliary Association 10 th World Congress Paris, France	July 5th, 2012
Pediatric Venous Thromboembolism Following Trauma: A Review of the National Trauma Data Bank Presenter American College of Surgeons 2012 Clinical Congress, Owen H. Wangensteen Surgical Forum Chicago, IL	October 3rd, 2012
Pediatric Venous Thromboembolism Following Trauma: A Review of the National Trauma Data Bank Presenter American Academy of Pediatrics National Conference & Exhibition 2012, Section on Surgery New Orleans, LA	October 20th, 2012
A Deliberate Postoperative Debriefing Process Can Effectively Provide Formative Resident Feedback Co-Author American College of Surgeons 2014 Clinical Congress, Owen H. Wangensteen Surgical Forum San Francisco, CA	October 27th, 2014

MEMBERSHIPS

American College of Surgeons Resident Member	2010 – Present
American Society for Colon and Rectal Surgeons Candidate Member	2013 – Present

COMMITTEES

Graduate Medical Education Committee, Oregon Health and Science University Executive Committee Resident Member	Aug 2011 – Present
---	---------------------------

AWARDS

Synthesis of small molecule inhibitors of Edema Factor in <i>B. anthracis</i> Honorable mention, Best Basic Science Project University of Chicago Pritzker School of Medicine, 2008 Senior Scientific	May 8th, 2008
Uncontrolled Hemorrhagic Shock Results in a Hypercoagulable State Modulated by Initial Fluid Resuscitation Regimens Presenter Best Basic Laboratory Research American College of Surgeons Committee on Trauma Region X Residents Trauma Papers Competition, Olympia, Washington	December 3rd, 2011
Coagulopathy Following Liver Resection: Is It Overdiagnosed and Overtreated? William S. Fletcher Award in Surgical Oncology Research Oregon Health & Science University Department of Surgery	February 6th, 2012
Roger Alberty, M.D. Award for Outstanding Teaching Oregon Health & Science University Department of Surgery	2013-2014

USMLE

STEP I: 224	June 9th, 2006
STEP II CK: 253	September 14th, 2007
STEP II CS: Pass	October 3rd, 2007
STEP III: 231	October 3rd, 2011

ABSITE

Percent Correct (Percentile)	Year, Clinical level
73% (74th)	2009 (R-1)
77% (53rd)	2010 (R-2)
81% (95th)	2011 (R-3)
80% (79th)	2012 (Research)
83% (91st)	2013 (R-4)

AMERICAN BOARD OF SURGERY QUALIFYING EXAM

Pass - 86% (82nd)	August 14th, 2014
-------------------------------------	-------------------------------------