

Curriculum Vitae

Lawrence Edward Stern, MD, FACS, FASCRS

Business Address:

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Reston, VA 20190
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Education:

Doctor of Medicine:	University of Virginia Health Sciences Center Charlottesville, Virginia	1992 – 1996
Bachelor of Science, Biology:	University of Michigan Ann Arbor, Michigan	1988 – 1992

Post-Graduate Training:

Colon and Rectal Surgical Fellow:	Lahey Clinic Medical Center Department of Colon and Rectal Surgery Burlington, Massachusetts	2003 – 2004
Senior & Chief Surgical Resident:	Department of Surgery University of Cincinnati College of Medicine Cincinnati, Ohio	2000 – 2003
Pediatric Surgery Research Fellow:	Division of Pediatric Surgery Cincinnati Children's Hospital Medical Center Cincinnati, Ohio	1998 – 2000
Intern & Junior Surgical Resident:	Department of Surgery University of Cincinnati College of Medicine Cincinnati, Ohio	1996 – 1998

Academic Appointments:

Virginia Commonwealth University:	Assistant Clinical Professor of Surgery	2009 – present
Tufts University:	Instructor of Surgery	2003 – 2004
University of Cincinnati:	Instructor of Surgery	2002 – 2003

Hospital Appointments:

INOVA Fairfax Hospital	2004 – present
INOVA Fair Oaks Hospital	2004 – present
Reston Medical Center	2004 – present

Board Certification:

American Board of Colon & Rectal Surgery
American Board of Surgery

Medical Licensure:

Commonwealth of Virginia

Research Grants:

National Institutes of Health, Individual National Research Service Award (NRSA) F32 DK 09882-01
- Two-year post-doctoral fellowship for gastrointestinal research training: full salary support.

Awards, Honors, and Society Memberships:

Alpha Omega Alpha Honor Medical Society, Member
American Society of Colon and Rectal Surgeons (ASCRS), Fellow
American College of Surgeons (ACS), Fellow
Northern Virginia Magazine 2012, 2011, 2010 Top Doctor & HealthGrades Five-Star Doctor
Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Member
Society of Laparoendoscopic Surgeons (SLS), Member
Diseases of the Colon and Rectum (DCR), Reviewer
Chesapeake Colorectal Society, Member
A.C.S. Metropolitan Washington Chapter / Washington Academy of Surgery, Member
Medical Society of Virginia, Member
Surgical Resident Research Award Finalist, University of Cincinnati Department of Surgery, 2000
Undergraduate Honors Program, University of Michigan, 1988-1992
Scholastic Honors; University of Michigan, 1992 & 1991

Journal Publications:

1. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher J. Kemp, B.S., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Gastroenterology*. 1999 Apr;116(4):S0268 *Abstract*. The effect of massive small bowel resection on the bax/bcl-w ratio and enterocyte apoptosis.
2. Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Christopher J. Kemp, B.S., Cathy E. Shin, M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Surgical Research*. 1999 Jun 15;84(2):218-222. Apoptosis and the pattern of DNase I expression following massive small bowel resection.
3. **Lawrence E. Stern, M.D.**, Richard J. Kagan, M.D.; *Journal of Burn Care and Rehabilitation*. 1999 Jul-Aug;20(4):303-306. Rhinocerebral mucormycosis in burn patients: A case report and review of the literature.
4. Christopher R. Erwin, Ph.D., Michael A. Helmrath, M.D., Cathy E. Shin, M.D., Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Brad W. Warner, M.D.; *American Journal of Physiology*. 1999 Sep;277(3 Pt 1):G533-G540. Intestinal overexpression of *EGF* in transgenic mice enhances adaptation after small bowel resection.
5. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Surgical Forum*. 1999 Oct;50:60-62. The pro-apoptotic bax protein is cleaved to its active form following massive small bowel resection.
6. Richard A. Falcone, Jr., M.D., Cathy E. Shin, M.D., **Lawrence E. Stern, M.D.**, Z. Wang, Ph.D., Moonacher Soleimani, M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Surgical Research*. 1999 Oct;86(2):192-197. The differential expression of luminal Na⁺/H⁺ exchanger isoforms following massive intestinal resection.
7. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D. *Journal of Surgical Research*. 1999 Oct;86(2):270 *Abstract*. *P21 (WAF1/CIP1)* is required for the mitogenic response to intestinal adaptation.
8. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D. *Journal of Surgical Research*. 1999 Oct;86(2):295 *Abstract*. EGF enhances pro-survival gene expression following massive small bowel resection.

9. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher J. Kemp, B.S., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Gastrointestinal Surgery*. 2000 Jan;4(1):93-100. The effect of massive small bowel resection on the bax:bcl-w ratio and enterocyte apoptosis.
10. Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Christopher J. Kemp, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Pediatric Surgery*. 2000 Feb;35(2):365-370. Intestinal adaptation occurs independent of transforming growth factor-alpha.
11. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D. Christopher J. Kemp, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Surgical Research*. 2000 May;90(1):45-50. *P21 (WAF1/CIP1)* is required for the mitogenic response to intestinal resection.
12. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D. Frederick Huang, M.D., Christopher J. Kemp, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Journal of Surgical Research*. 2000 Jun;91(1):38-42. Epidermal growth factor alters the bax:bcl-w ratio in response to massive small bowel resection.
13. **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher J. Kemp, B.S., Margaret C. Braun, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *American Journal of Physiology*. 2000 Jun;278(6):G871-G877. Salivary epidermal growth factor and intestinal adaptation in male and female mice.
14. **Lawrence E. Stern, M.D.**, Frederick Huang, M.D., Christopher J. Kemp, B.S., Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Surgery*. 2000 Aug;128(2):165-170. Bax is required for increased enterocyte apoptosis after massive small bowel resection.
15. **Lawrence E. Stern, M.D.**, Christopher R. Erwin, Ph.D., David P. O'Brien, M.D., Frederick Huang, M.D., Brad W. Warner, M.D.; *Microscopy Research and Technique*. 2000 Oct;51(2):138-148. Epidermal growth factor is critical for intestinal adaptation following small bowel resection.
16. **Lawrence E. Stern, M.D.**, David P. O'Brien, M.D, Jodi L. Williams, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.; *Surgical Forum*. 2000 Oct;51:54-55. A serum factor after massive small bowel resection enhances epidermal growth factor receptor expression.
17. Christopher R. Erwin, Ph.D., Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Christopher J. Kemp, B.S., Brad W. Warner, M.D.; *Journal of Parenteral and Enteral Nutrition*. 2000 Nov-Dec;24(6):311-316. Analysis of intestinal adaptation gene expression by cDNA expression arrays.
18. **Lawrence E. Stern, M.D.**, Christopher R. Erwin, Ph.D., David P. O'Brien, M.D., Frederick S. Huang, M.D., Brad W. Warner, M.D.; *Journal of Pediatric Surgery*. 2001 Jan;36(1):184-189. Serum from mice after small bowel resection enhances epithelial cell growth.
19. **Lawrence E. Stern, M.D.**, Christopher R. Erwin, Ph.D., Richard A. Falcone, Jr., Frederick S. Huang, M.D., Christopher J. Kemp, B.S., Jodi L. Williams, B.S., Brad W. Warner, M.D.; *Journal of Pediatric Surgery*. 2001 Jan;36(1):190-195. cDNA microarray analysis of adapting bowel after intestinal resection.
20. David P. O'Brien, M.D., Lindsey A. Nelson, M.D., **Lawrence E. Stern, M.D.**, Jodi L. Williams, B.S., Christopher J. Kemp, B.S., Quan Wang, Ph.D., Patrick Tso, Ph.D., Christopher R. Erwin, Ph.D., Per-Olaf Hasselgren, M.D., Brad W. Warner, M.D.; *Journal of Surgical Research*. 2001 May;97(1):65-70. Epithelial permeability is not increased in rats after small bowel resection.
21. **Lawrence E. Stern, M.D.**, Michael S. Nussbaum, M.D., John G. Quinlan, M.D., Josef E. Fischer, M.D.; *Surgery*. 2001 Oct;130(4):774-780. Long-term evaluation of extended thymectomy with anterior mediastinal dissection for myasthenia gravis.
22. Frederick S. Huang, M.D., Theodore Zwerdling, M.D., **Lawrence E. Stern, M.D.**, Edgar T. Ballard, M.D., Brad W. Warner, M.D.; *Journal of Pediatric Hematology Oncology*. 2001 Dec;23(9):609-611. Renal cell carcinoma as a secondary malignancy after treatment of acute promyelocytic leukemia.

23. Kevin G. Billingsley, M.D., **Lawrence E. Stern, M.D.**, Andrew M. Lowy, M.D., Morton S. Kahlenberg, M.D., Charles R. Thomas, Jr., M.D.; Surgical Oncology Clinics of North America. Uncommon Anal Neoplasms. 2004 Apr;13(2):375-388.

Book Chapters:

1. **Lawrence E. Stern, M.D.**, Brad W. Warner, M.D.; 2000 Aug;9(3):135-140. Gastrointestinal duplications in Seminars in Pediatric Surgery (Jay L. Grosfeld, M.D. ed.) W.B. Saunders Co., Philadelphia, PA.
2. **Lawrence E. Stern, M.D.**, Brad W. Warner, M.D.; Congenital abdominal internal hernias in Nyhus and Condon's Hernia 5th edition. (Robert J. Fitzgibbons, M.D., A. Gerson Greenburg, M.D., eds.) 2002. Lippincott Williams & Wilkins, Philadelphia, PA.
3. **Lawrence E. Stern, M.D.**; Diverticular Disease in Mont Reid Surgical Handbook, 5th edition. (David R. Fischer, M.D., Burnett S. Kelly, Jr., M.D., eds.) 2005. Mosby – Elsevier, Inc. Philadelphia, PA.
4. **Lawrence E. Stern, M.D.**; Tube Thoracostomy in Mont Reid Surgical Handbook, 5th edition. (David R. Fischer, M.D., Burnett S. Kelly, Jr., M.D., eds.) 2005. Mosby – Elsevier, Inc. Philadelphia, PA.

Presentations:

1. Association for Academic Surgery, November 1998, Oral Presentation, "Elevated DNase I levels following massive small bowel resection". Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Christopher J. Kemp, Cathy E. Shin, M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
2. Society for Surgery of the Alimentary Tract, May 1999, Poster Presentation. "The effect of massive small bowel resection on the bax/bcl-w ratio and enterocyte apoptosis". **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher J. Kemp, B.S., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
3. American Pediatric Surgical Association, May 1999, Oral/Poster Presentation, "Intestinal adaptation occurs independent of transforming growth factor-alpha". Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Christopher J. Kemp, Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
4. American Pediatric Surgical Association, May 1999, Poster Presentation, "Gender differences in salivary epidermal growth factor levels following massive small intestinal resection". Richard A. Falcone, Jr., M.D., **Lawrence E. Stern, M.D.**, Margaret C. Braun, B.S., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
5. Surgical Forum, October 1999, Oral Presentation, "The pro-apoptotic bax protein is cleaved to its active form following massive small bowel resection". **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Lorie A. Stuart, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
6. Association for Academic Surgery, November 1999, Oral Presentation, "P21 (WAF1/CIP1) is required for the mitogenic response to intestinal adaptation". **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
7. Association for Academic Surgery, November 1999, Poster Presentation, "EGF enhances pro-survival gene expression following massive small bowel resection". **Lawrence E. Stern, M.D.**, Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
8. Society of University Surgeons, February 2000, Oral Presentation, "Bax is required for increased enterocyte apoptosis after massive small bowel resection". **Lawrence E. Stern, M.D.**, Frederick Huang, M.D. Christopher J. Kemp, B.S., Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.

9. American Pediatric Surgical Association, May 2000, Oral Presentation, "Serum from mice after small bowel resection enhances epithelial cell growth". **Lawrence E. Stern, M.D.**, Christopher R. Erwin, Ph.D., David P. O'Brien, M.D., Brad W. Warner, M.D.
10. American Pediatric Surgical Association, May 2000, Oral Presentation, "cDNA microarray analysis of adapting bowel after intestinal resection". **Lawrence E. Stern, M.D.**, Christopher R. Erwin, Ph.D., Richard A. Falcone, Jr., M.D., Brad W. Warner, M.D.
11. Surgical Resident Research Awards, May 2000, Oral Presentation, "*Bax* is required for increased enterocyte apoptosis after massive small bowel resection". **Lawrence E. Stern, M.D.**, Frederick Huang, M.D. Christopher J. Kemp, B.S., Richard A. Falcone, Jr., M.D., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
12. Surgical Forum, October 2000, Oral Presentation, "A serum factor after massive small bowel resection enhances epidermal growth factor receptor expression". **Lawrence E. Stern, M.D.**, David P. O'Brien, M.D., Jodi L. Williams, B.S., Christopher R. Erwin, Ph.D., Brad W. Warner, M.D.
13. Association for Academic Surgery, November 2000, Oral Presentation, "Epithelial permeability is not increased in rats after small bowel resection". David P. O'Brien, M.D., Lindsey A. Nelson, M.D. **Lawrence E. Stern, M.D.**, Jodi L. Williams, B.S., Christopher J. Kemp, B.S., Quan Wang, Ph.D., Patrick Tso, Ph.D., Christopher R. Erwin, Ph.D., Per-Olaf Hasselgren, M.D., Brad W. Warner, M.D.
14. Central Surgical Society, March 2001, Oral Presentation, "Long-term evaluation of extended thymectomy with anterior mediastinal dissection for myasthenia gravis". **Lawrence E. Stern, M.D.**, Michael S. Nussbaum, M.D., John G. Quinlan, M.D., Josef E. Fischer, M.D.
15. American Society of Colon and Rectal Surgeons. May 2004, Oral Presentation. "Is Obesity A Contraindication To Laparoscopic Colectomy? A Case Control Study". **Lawrence E. Stern, M.D.**, Yun-Jau Chang, M.D., Peter W. Marcello, M.D., Lawrence C. Rusin, M.D., Patricia L. Roberts, M.D., John A. Collier, M.D., John J. Murray, M.D., David J. Schoetz, M.D.
16. American College of Surgeons, All Surgeons Day. March 2005. Oral Presentation. "The role of Laparoscopic Resection for Colorectal Cancer". **Lawrence E. Stern, M.D.**
17. Advances in Colorectal Cancer Conference. February 2006. Oral Presentation. "Advances in Surgery for Colorectal Cancer: Is Laparoscopic Resection Here to Stay?". **Lawrence E. Stern, M.D.**
18. United Ostomy Society of Northern Virginia. March 2006. Oral Presentation "Laparoscopic Colorectal Surgery". **Lawrence E. Stern, M.D.**