

MARK LASPINA, D.O.

Business Address

Urology Consultants of the
North Shore
400 Highland Avenue
Salem, MA 01970
(978) 741-4133

EXPERIENCE

Urology Consultants of the North Shore, Inc
August 2009- present

POST GRADUATE MEDICAL TRAINING

SUNY Upstate Medical University, Syracuse, NY
Residency in Urology, July 2005- June 2009
Program Chairman: Firouz Daneshgari, M.D.

SUNY Upstate Medical University, Syracuse, NY
Residency in Surgery as part of Urology program, March 2004-June 2005
Program Chairman: Paul R. Cunningham, M.D.

Cedars-Sinai Medical Center, Los Angeles, CA
Internship/Residency in Surgery, June 2002-February 2004
Program Director: Alan T. Lefor, M.D.

EDUCATION

University of New England College of Medicine (UNECOM), Biddeford, ME
Doctor of Osteopathic Medicine, June 2002
Who's Who Among Senior Medical Students, 2002
UNECOM Scholarship 1998-2001
Vice-president of Sigma Sigma Phi, academic honor society promoting community service and excellence

Tufts University, Medford, MA
Bachelor of Science in biology; minor in economics, May 1997
Dean's List, fall 1994 and spring 1995

CERTIFICATION/Licensure

Massachusetts medical license #240504
State controlled substance # ML0762864G
Federal DEA # FL1451551
NPI # 1114181054
New York medical license #234715, expired 11/06
California medical license #20A8652, expired 10/04
Certified in ATLS as instructor, ACLS
Passed COMLEX Step I, II, III

RESEARCH EXPERIENCE

LaSpina, page 2

Department of Transplant Surgery, SUNY Upstate Medical Center, Syracuse, NY
Research Fellow, September 2004-December 2005

- Elucidated the mechanisms by which immunosuppressive agents causes chronic renal graft failure.
- Conducted immunohistochemistry, immunoassays and protein analysis on cell culture that mimics endothelial cell dysfunction.

Pathology Department, Tufts Medical School, Boston, MA
Laboratory technician, June 1997-December 1998

- Initiated studies on the mechanisms by which hormones regulate the proliferation of prostatic cells.
- Conducted PCR and immunohistochemical studies on samples of human and rat tissue obtained from radical prostatectomies.

Department of Endocrinology, Tufts University, Medford, MA
Undergraduate research assistant, Department of Biology, Fall 1996-Spring 1997

- Independent research program in endocrinology laboratory investigating mechanisms involving the induction and progression of prostate and breast cancer.
- Achieved highest honors in research production and presentation on the expression and enhancement of prolactin receptor in prostatic cell lines under the influence of various hormones.

PUBLICATIONS

Dulabon L, LaSpina M, Riddell SW, Kiska DL, Cynamon M, Pseudomonas aeruginosa acute prostatitis and urosepsis after sexual relations in a hot tub, *Journal of Clinical Microbiology*, 47(5):1607-8, 2009.

LaSpina M and Haas G, Update of the diagnosis and management of prostate cancer, *The Canadian Journal of Urology*, 15 Supp: 3-13, 2008.

LaSpina M, Tripathi S, Gatto L, Bruch D, Maier K, Kittur D, An interleukin-6 neutralizing antibody prevents cyclosporine-induced nephrotoxicity in mice, *Journal of Surgical Research*, 48: 121-25, 2008.

LaSpina M, Fleshner P, Colo-seminal vesicle as an unusual complication of diverticulitis: A case report and literature review. *Diseases of the Colon and Rectum*, 49: 1791-1793, Nov. 2006.

Lau KM, LaSpina M, Long J, Ho SM, Expression of estrogen receptor (ER)- α and ER- β in normal and malignant prostatic epithelial cells: regulation by methylation and involvement in growth regulation. *Cancer Research*, 60:3175-3182, 2000.

ABSTRACTS

1. LaSpina M, Brown J, Kardjian P, Cryoablation of the Prostate in a Community Setting by a Single Surgeon. Presented at 2008 Northeastern section AUA meeting in Santa Ana, NM.

2. Maier KG, Brandy K, Kittur D, Kort K, LaSpina M, GPR30: A novel estrogen receptor expressed in aggressive prostate cancer, *FASEB*. Presented at the 2006 FASEB meeting, San Francisco, CA.

3. LaSpina M, Maier KG Bruch D, Kittur D, The expression of E-cadherin is regulated by Src family tyrosine kinases in invasive prostate cancer cells. Surgery. Presented at the American Surgical Congress meeting, San Diego, CA.

4. LaSpina M, Maier KG, Bruch D, Kittur D, Cyclosporin Upregulates IL-6 by Activating NADPH Oxidase and c-src. Surgery. Presented at the 2005 American College of Surgeons meeting, San Francisco, CA.
5. LaSpina M, Maier KG, Bruch D, Kittur D, Hypoxia Induced Tumor Angiogenic Signaling Involves NADPH Oxidase. *FASEB*. Presented at the 2005 FASEB meeting, San Diego, CA.
6. LaSpina M, Maier KG, Kittur D, A novel role for catenins in cyclosporine mediated endothelial dysfunction. Surgery. Presented at the 2005 Society of University Surgeons annual meeting, Nashville, TN.
7. Maier KG, Shah G, LaSpina M, Bruch D, Middleton K, Kittur D, Sandimmune induced endothelial dysfunction: Differential actions of cyclosporine and cremaphor. *Journal of Surgical Research* 121, 245-257. Presented at the 2004 Association for Academic Surgery, Houston, Texas.
8. Azizian M, Shah G, Maier KG, Bruch D, Kittur D, Differential Effect of Ischemia Vs. Ischemia/Reperfusion on Endothelial Cells. *Journal of Surgical Research* 121, 245-257. Presented at the 2004 Association for Academic Surgery, Houston, Texas.
9. Lau KM, LaSpina M, Long J, Ho SM. Antiestrogen, via estrogen receptor beta (ER β) pathway, inhibit growth of prostate cancer cells. *Proceedings of American Association for Cancer Research 90th Annual meeting* 40:637-638 (#4203), 1999.

PRESENTATIONS

1. AAS (Association for Academic Surgery) 11/2004, Houston, TX
 - i.* **Sandimmune induced endothelial dysfunction: differential actions of cyclosporine and cremaphor.**
Kristopher G. Maier¹, Guarang Shah², Mark LaSpina², David Bruch¹, Frank Middleton³, Dilip S. Kittur¹.
Dept. of Surgery¹, Dept. of Urology², Dept. of Neuroscience and Physiology³, SUNY Upstate Medical University, Syracuse, NY (poster)
 - ii.* **Differential Effect of Ischemia Vs. Ischemia/Reperfusion on Endothelial Cells**
Maria Azizian¹, Gaurang Shah², Kristopher G. Maier¹, David Bruch¹, Dilip Kittur¹
Department of Surgery¹, Department of Urology², SUNY Upstate Medical University, (poster)
2. SLUG (St. Laurence Urology Group) 1/2005, Montreal, Canada
A Novel Role for Catenins in Cyclosporine Mediated Endothelial Dysfunction
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
3. SUS (Society of University Surgeons) 2/2005, Nashville, TN
A Novel Role for Catenins in Cyclosporine Mediated Endothelial Dysfunction
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
4. FASEB (Federation of American Societies for Experimental Biology) 4/2005, San Diego, CA
Hypoxia Induced Tumor Angiogenic Signaling Involves NADPH Oxidase
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (poster)
5. Upstate New York Urological Association 10th Annual Competition and Meeting, 4/2005, Skaneateles, NY
A Novel Role for Catenins in Cyclosporine Mediated Endothelial Dysfunction
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)

6. ACS (American College of Surgeons) 10/2005, San Francisco, CA
Cyclosporine Upregulates IL-6 by Activating NADPH Oxidase and c-src
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
7. ASC (American Surgical Congress, aka AAS) 2/2006, San Diego, CA
The Expression of E-cadherin Is Regulated by Src Family Tyrosine kinases in Invasive Prostate Cancer Cells
Mark LaSpina, Kristopher G. Maier, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
8. Upstate New York Urological Association 11th Annual Competition and Meeting, 4/2006, Skaneateles, NY
The Role of Interleukin-6 Antibody in Cyclosporine induced Nephropathy in Mice Dysfunction
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
9. Upstate New York Urological Association 12th Annual Competition and Meeting, 4/2007, Skaneateles, NY
Src Family Tyrosine Kinases Regulate Invasiveness of DU-145 Cancer Cells
Mark LaSpina, Kristopher G. Maier, David Bruch, Dilip S. Kittur. Dept. of Surgery, SUNY Upstate Medical University, Syracuse, NY (oral)
10. Northeastern section AUA meeting, 9/2008, Santa Ana, NM
Cryoablation of the Prostate in a Community Setting by a Single Surgeon
LaSpina M, Brown J, Kardjian P (poster/oral)

FUNDING AND AWARDS

1. Finger Lakes Eye and Tissue Bank grant: **\$14,950.**
Award given for the investigation work titled *Cyclosporine-mediated Endothelial Dysfunction: Identifying the Mechanism(s) and Counteracting Cyclosporine-mediated Vasculopathy*. April 2005.
2. FASEB Travel Award: **\$500.00.**
Award granted to present at FASEB conference in San Diego, CA. April 2005.
3. UUP Individual Professional Development Award: **\$1,000.00.**
Award granted to present at the SUS conference in Nashville, TN. February 2005.
4. AST Fellows Transplant Travel Award: **\$750.00.**
Award granted to attend the Transplant fellows' conference in Dallas, TX. August 2004.
5. Third Place, Residents competition; Upstate New York Urological Association 10th Annual Competition and Meeting, Skaneateles, NY. April 2005.
6. Provisional Patent (Co-Investigator: A novel estrogen receptor GPR30 is expressed in aggressive prostate cancer (DU-145 and PC-3) and aggressive lung cancer (A549) cells, SUNY Research Foundation Invention Report no. R1544)
7. UUP Individual Professional Development Award: **\$1,000.00.**
Award granted to attend the national AUA meeting in Chicago, IL, April 2009.