

Paul D. Maroni, MD

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Education

University of Illinois at Chicago College of Medicine
M.D., 2000

University of Virginia - Charlottesville, Virginia
B.A. - Interdisciplinary Studies, 1996

Certification

American Board of Urology – March 2009

Fellowship in Urologic Oncology, Indiana University - June 2007

USMLE Step I: 251 (98th percentile) – June 1998

USMLE Step II: 248 (93rd percentile) – February 2000

USMLE Step III: 229 (93rd percentile) – May 2002

Holmium Laser Certification, March 2006

Licensing

State of Colorado, Physician License, #45591, Iss. 6/1/2009, Exp. 5/31/2011

State of Indiana, Physician License, #01061843A, Iss. 3/9/2006, Exp. 6/30/2009

State of Indiana, Controlled Substances Registration, #01061843B, Iss. 3/20/2006, Exp. 6/30/2009

DEA license, BM9670541, Iss. 12/22/2008, Exp. 1/31/2012

***Employment/
Training***

Assistant Professor, Division of Urology, Department of Surgery, University of Colorado Health Sciences Center, 7/2007 - present

Instructor/Fellow in Urologic Oncology, Department of Urology, Indiana University
Indianapolis, Indiana, 7/2006-6/2007

Chief Resident, Division of Urology, Department of Surgery, University of Colorado Health Sciences Center
Denver, Colorado, 7/2005-6/2006

Resident, Division of Urology, Department of Surgery, University of Colorado Health Sciences Center
Denver, Colorado, 7/2002-6/2006

Resident, Department of Surgery, University of Colorado Health Sciences Center
Denver, Colorado, 6/2000-6/2002

Honors/Awards

Faculty

Invited Faculty Speaker, Prostate Cancer Screening: PSA and the initial evaluation for prostate cancer. First Annual Colorado Cancer Day, September 29, 2007, Aurora, CO

Competitive Seed Grant Recipient, Activity of mitogen-activated protein kinase in prostate cancer specimens, AEF Department of Surgery Funds for Research, (\$45,000) August 2007

Invited participant (4 selected nationally), Southwest Oncology Group Young Investigators' Protocol Development Course, September 2007, Seattle, WA

Fellowship

Invited participant (30 participants nationally), Urologic Young Investigators Course, Southwest Oncology Group Meeting, October 2006, Seattle, WA

Residency

Award for excellence, 2003 (Highest inservice exam score among residents)

Award for excellence, 2004 (Highest inservice exam score among residents)

Award for excellence, 2006 (Highest inservice exam score among residents and 4 consecutive years >90% percentile)

Resident Research Award, 2004

First Prize, Resident Essay Competition, 83rd Annual Meeting of the South Central Section of the AUA, 2004

Medical School

Alpha Omega Alpha, Junior Induction

James Scholar Program for Independent Study

Undergraduate

Phi Beta Kappa Honor Society

Golden Key Honor Society

Echols Scholar Program

Research

Independent research under Anna Lysakowski, PhD, Department of Anatomy and Cell Biology, University of Illinois College of Medicine, Chicago, IL. Anatomy of the vestibular system. 1997-1998. Experience in tissue dissection, preparation, sectioning, and immunohistochemistry.

Research assistant under Daniel Berger, MD, Northstar Medical Center, Chicago, Illinois. HIV/AIDS medicine. 1997-1998

Independent research under Hari Koul, PhD, Division of Urology, Department of Surgery, University of Colorado Health Sciences Center, Denver, CO. Oxalate effects on intracellular signaling in renal epithelial cells. 2003-2004. Experience in cell culture and molecular biological techniques.

Investigator

Phase III EDAP Ablatherm High-intensity Focused Ultrasound (HIFU) for low-risk clinically localized prostate cancer. Open and accruing.

Phase III Aeterna Zentaris Cetrorelix pamoate for symptomatic BPH. Closed, in follow-up.

Phase II Prostate cryoablation for men with metastatic prostate cancer. Proposed.

Presentations

Paul D. Maroni, Thomas R. Johnson, Lakshmi pathi Khandrika, Binod Kumar, Sweaty Koul, Randall B. Meacham, Hari k. Koul. Reciprocal regulation of Focal Adhesion Kinase (FAK) and Extracellular Signal Regulated Kinase (ERK) in prostate cancer clonogenic activity and invasion. Presented at the Annual Meeting of the American Urological Association, Chicago, Abstr. # 735, 2009.

Daniel J. Tandberg, E. David Crawford, Paul B. Arangua, Kathryn f. Sullivan, Al Barqawi, Paul D. Maroni, Colin I. O'Donnell. Prostate Volume reduction with Dutasteride prior to Mapping Biopsies. Presented at the Annual Meeting of the American Urological Association, Chicago, Abstr. # 160, 2009.

Kathryn F. Sullivan, Al Barqawi, E. David Crawford, Michael P.O'Leary, Colin I. O'Donnell, Paul D. Maroni. Reduced American Urological Association Symptom Score, Presented at the Annual Meeting of the American Urological Association, Chicago, Abstr. # 1654, 2009.

Huang M., S. Koul, P. Maroni, R. Meacham, P. Chandhoke, and H. Koul. Role of heat shock protein (HSP70) response in oxalate-renal epithelial cell interaction. Presented at the 84th Annual Meeting of the South Central Section of the AUA, Austin, Abstr. #84, 2005.

Koul S., T. Johnson, P. Maroni, R. Meacham, and H. Koul. Regulation of IL-6 expression in PC3 cells, a line of hormone refractory prostate cancer cells. Presented at the 84th Annual Meeting of the South Central Section of the AUA, Austin, Abstr. #50, 2005.

Carlsen S., P. Maroni, and M. Koyle. Ten years of pediatric renal tumors at a tertiary referral center. Presented at 83rd Annual Meeting of the South Central Section of the AUA, Dublin, Abstr. #5, 2004.

Maroni P., S. Koul, R. Meacham, P. Chandhoke, and H. Koul. Effects of oxalate, hypertonicity, and LPS on a IMCD cells, a line of mouse inner medullary collecting duct (IMCD) cells. Presented at 83rd Annual Meeting of the South Central Section of the AUA, Dublin, Abstr. #8, 2004. **First Prize Resident Essay Competition.**

Maroni P., S. Koul, R. Meacham, P. Chandhoke, and H. Koul. Differential activation of mitogen activated protein kinase by oxalate, LPS and hypertonicity in mouse inner medullary collecting duct (IMCD) cells. Presented at 83rd Annual Meeting of the South Central Section of the AUA, Dublin, Abstr. #9, 2004.

Barqawi A., P. Maroni, C. O'Donnell, R. Chandhoke, A. Zurawel, S. Lucia and E.D. Crawford. A retrospective analysis of a second look pathological evaluation of patients referred with positive TRUS biopsy before radical prostatectomy. Podium presentation at 14th International Prostate Cancer Update, Vail, 2004.

Barqawi A., P. Maroni, C. O'Donnell, R. Chandhoke, A. Zurawel, and E.D. Crawford. Mini laparotomy antegrade nerve-sparing radical prostatectomy assisted by Plasmakinetics (PK) Seal Lyons dissector device. Podium/Video presentation at 14th International Prostate Cancer Update, Vail, 2004.

Hedlund T., P. Maroni, P. Ferucci, R. Dayton, S. Barnes, K. Jones, R. Moore, Kristiina Wähälä, L. Ogden, H. Sackett, and K. Gray. Soy Consumption, Soy Metabolism, and the Potential Prevention of Prostate Cancer in Caucasian Men. Presented at the 5th International Symposium on Soy, Orlando, 2003. Abstract published in J Nutr 134:1248s-1293s, 2004.

Maroni P., E.D. Crawford and R. Donohue. Prostate needle biopsy: What are you doing? Podium presentation at 82nd Annual Meeting of the South Central Section of the AUA, Boston, Abstr., p.159, 2003.

Maroni P. and R. Donohue. Previous negative prostate biopsies predict lower percentage of positive cores in patients with cancer. Podium presentation at 82nd Annual Meeting of the South Central Section of the AUA, Boston, Abstr., p.157, 2003.

Maroni P., J. Woods and F. Kim. Concurrent sarcomatoid carcinoma of the bladder and transitional cell carcinoma of the ureter: A case report. Poster at 81st Annual Meeting of the South Central Section of the AUA, Colorado Springs, Abstr., p.233, 2002.

Maroni P., A. Lysakowski and A.E. Luebke. Alpha-9 nicotinic acetylcholine receptor subunit immunoreactivity in the rodent inner ear. Podium presentation at ARO 21st Midwinter Mtg. Abstr., p.65, 1998.

Maroni P., A.E. Luebke and A. Lysakowski. Alpha-9-like nicotinic acetylcholine receptor subunit immunoreactivity observed in postsynaptic targets of efferent innervation in the rodent inner ear. Barany Society Mtg. Abstr, 1998.

Berger D., B. Baker, G. Bucher, R. Bessinger, P. Maroni and W. Reiter. Changes in lymphocyte subsets with interleukin-2 therapy in patients with advanced disease on highly active antiretroviral therapy. 12th World AIDS Congress Abstr, 1998.

Publications

Maroni P. and E.D. Crawford. The challenge of comparing investigative approaches to prostate cancer. *Oncology* 22(8):907, 2008.

Maroni P. and E.D. Crawford. The benefits of early androgen blockade. *Best Prac and Res Clin Endo and Met* 22(2):317-329, 2008.

Maroni P. Complementary-Alternative Medicine (CAM) for BPH: Not a waste of time. *Grand Rounds in Urology* 7(2), 2008.

Koul S., Huang, M., Bhat, S., Maroni, P., Meacham, R., Koul, H. Oxalate exposure provokes HSP 70 response in LLC-PK1 cells, a line of renal epithelial cells: protective role of HSP 70 against oxalate toxicity. *Urol Res* 36:1-10, 2008.

Maroni P., Honecker F., and Foster R. Management of Late Relapse. In: Laguna et al, eds. *Cancer of the Testis*, in editing, 2007.

Maroni P. and E.D. Crawford. Practice Point: Do tumor characteristics and prognostic factors differ between subsequent rounds of PSA screening for prostate cancer? *Nat Clin Prac Urol* 4(5):252-3, 2007.

Maroni P. and E.D. Crawford. Screening for prostate cancer in 2006: PSA in the 21st century. *N C Med J* 67(2):136-9, 2006.

Maroni P. and E.D. Crawford. Lessons from the Prostate Cancer Awareness Week Program and PLCO Cancer Screening Trial. In: Chapter 42. Kirby R, Partin A, Feneley M, and Parsons JK, eds. *Prostate Cancer: Principles and Practice*. Taylor & Francis, 2006.

Maroni P., J.B. Thrasher, and E.D. Crawford. Initial management of metastatic prostate cancer. In: Chapter 16A. Vogelzang NJ, Scardino PT, Shipley WU, Debruyne FMJ, and Linehan WM, eds. *Comprehensive Textbook of Genitourinary Oncology, Third Edition*. Lippincott Williams & Wilkins, 2005.

Maroni P., S. Koul, P. Chandhoke, R. Meacham, and H. Koul. Oxalate toxicity in cultured mouse inner medullary collecting duct cells. *J Urol* 174(2):757, 2005.

Maroni P. and E.D. Crawford. Surgical Management of Prostate Cancer – Optimizing Patient Selections & Clinical Outcome. *Surg Oncol Clin N Am* 14(2):301, 2005.

Luebke A., P. Maroni, S. Guth, A. Lysakowski. Alpha-9 nicotinic acetylcholine receptor immunoreactivity in the rodent vestibular labyrinth. *J Comp Neurology* 492(3):323-33, 2005.

Hedlund T., P. Maroni, P. Ferucci, R. Dayton, S. Barnes, K. Jones, R. Moore, L. Ogden, K Wahala, H. Sackett, and K. Gray. Long-term dietary habits affect soy isoflavone metabolism and accumulation in prostatic fluid in Caucasian men. *J Nutr* 135:1400, 2005.

Mingin G., P. Maroni, E. Gerharz, C. Woodhouse, and L Baskin. Linear growth after enterocystoplasty in children and adolescence: A review. *World J Urol* 22(3):196-9, 2004.

Koul H.K., P. Maroni, R. Meacham, E.D. Crawford, S. Koul. p42/p44 Mitogen-activated protein kinase signal transduction pathway: A novel target for the treatment of hormone resistant prostate cancer? *Ann N Y Acad Sci* 1030:243-52, 2004.

Maroni P., S. Koul, R. Meacham, P. Chandhoke, and H. Koul. Effect of oxalate on a IMCD cells, a line of mouse inner medullary collecting duct (IMCD) cells. *Ann N Y Acad Sci* 1030:144-9, 2004.

Maroni P., S. Koul, R. Meacham, and H. Koul. Mitogen activated protein kinase signal transduction pathways in the prostate. *Cell Communication and Signalling* 2:5; 2004. (<http://www.biosignaling.com/content/2/1/5>)

Crawford E.D., J. Holzbeierlein, A. Krongrad, P. Maroni, J. Thrasher. Surgery. In: Chapter 20. Bostwick DG, Crawford ED, Higano CS, Roach M 3rd, eds. American Cancer Society: Complete guide to Prostate Cancer. Atlanta: American Cancer Society; 2004.

Faculty appointments and presentations...

Treatment of the margin positive patient after radical prostatectomy: Observation with medical treatment at recurrence. Invited speaker for American Urological Association, South Central Section meeting, Sept 18 2008, San Diego, CA.

Emerging minimally invasive treatment options for prostate cancer: HIFU and robotic surgery. Faculty of 1st International targeted focal therapy conference in prostate cancer, February 10, 2008; Vail, CO.

The use of long-acting LHRH analogs. Faculty of International prostate cancer conference, February 7-9, 2008; Vail, CO.

HIFU for prostate cancer. Faculty of Point-Counterpoint Conference, Phoenix, AZ, November, 2007.

Immediate cystectomy for high-grade T1 bladder cancer. Faculty of Point-Counterpoint Conference, Phoenix, AZ, November, 2007.

Phytotherapy for BPH is not a waste of time. Faculty of Point-Counterpoint Conference, Phoenix, AZ, November, 2007.