



## NEW CLINIC GIVES COUPLES HOPE FOR GENERATIONS TO COME



**DANIEL H. WILLIAMS IV, MD**  
ASSISTANT PROFESSOR

This is an exciting time for male reproductive medicine and microsurgery in the Department of Urology. We have teamed up with reproductive endocrinologists and andrologists in the Department of Obstetrics and Gynecology and are proud to announce the opening of Generations Fertility Care clinic.

Generations Fertility Care clinic, or “Generations,” combines state-of-the-art technology and compassionate, personalized care to assist couples and individuals faced with infertility. With expertise in both male and female fertility conditions, as well as men’s and women’s endocrine conditions, the clinic provides a wide range of assisted reproductive treatments including in vitro fertilization, intracytoplasmic sperm injection, sperm and embryo cryopreservation, microsurgical vasectomy reversal, microsurgical varicocelelectomy, surgical sperm retrieval, hormone therapy for male and female hypogonadism, and fertility preservation for cancer patients. Generations is also staffed by a full-time clinical psychologist and financial counselor. Genetics counselors are available as well.



Generations offers a unique concept in fertility care with the Couples Clinic. Fertility is a couple’s issue, but it is often considered just a female problem. Typically, women will undergo extensive fertility testing only to later discover that there is a problem with the male partner. The Couples Clinic provides an efficient, well-coordinated approach to treating the couple, not just the individual. During the initial consultation, both the man and woman are seen by fertility specialists, all under one roof. Combining these services will improve the coordination and delivery of care and will help couples better understand the variety of factors that may be contributing to their reproductive problems. Additionally,

approaching infertility from a couple’s perspective, not just a male or female fertility perspective, will optimize the quality, efficiency, and cost-effectiveness of treatments.

The Generations Fertility Care team moved into the new clinic on September 3, 2010. On August 29, we hosted a well-attended and well-received public open house that included self-guided tours of the new clinic space and presentations put on by several members of our staff.

Generations Fertility Care, a joint venture between UW Health and Meriter Hospital, is located just off the Beltline in Middleton at 2365 Deming Way, adjacent to Transformations. **WU**

## >> A MESSAGE FROM THE CHAIR



**STEPHEN Y. NAKADA, MD**

This issue of *Wisconsin Urology* marks our third year as a Department and our first year in the new UW Medical Foundation Centennial Building. As a LEED (Leadership in Energy and Environmental Design) certified structure, the natural lighting and the modern architecture have provided a beautiful, team-oriented base of operations for our Department. This

has allowed us to progress in spite of the changing healthcare climate.

With the start of a new academic year, we welcome Dr. Tracy Downs and Dr. Jason Abel as they round out our oncology section, under the trusted leadership of Dr. David Jarrard. I am also delighted to announce the appointment of William Ricke, PhD from the University of Rochester. Dr. Ricke brings major interests and funding in various prostate cancer research initiatives. More importantly, Dr. Ricke is a dynamic collaborative force that will serve the Department well for many years to come. Stay tuned for more information on Dr. Ricke and his lab in upcoming issues of *Wisconsin Urology*.

This past June marked the second annual Schnoes Lecture Series and Dr. Bob Flanigan proved to be a wonderful lecturer. It was great to have Bob and Dolores Schnoes present for the second running of the event. We will move toward a spring date for the Schnoes Lecture Series and retain the fall timing for the Uehling Lectures.

This fall we are proud to have Dr. William Steers as our 10th Uehling Lecturer. Looking back over the last decade of lectures, we are truly proud of this event. Dr. Wade Bushman has planned an engaging program this year.

I would like to congratulate Dr. Dan Williams on being named to the board of the Society for Study of Male Reproduction. Dr. Williams has had a tremendous impact on our infertility practice and educational program, and this distinction gives him due credit. This issue coincides with the opening of the Generations Fertility Care Clinic, where Dr. Williams will practice alongside his colleagues in Reproductive Endocrinology.

Another Department milestone this year was the first single site laparoscopic procedure. Although not a replacement for laparoscopy, we will certainly use this approach in select scenarios.

We hope to see as many of you as possible this fall at the Uehling Lectures. We welcome you to visit our new Department offices located on the third floor of the UW Medical Foundation Centennial Building, 1685 Highland Avenue. **WU**

**STEPHEN Y. NAKADA, MD**  
CHAIRMAN AND THE UEHLING  
PROFESSOR OF UROLOGY

## >> RESIDENCY UPDATE

### 2010-2011 FIRST-YEAR RESIDENTS

TRICIA THAKER, APNP



**JOHN  
McGETRICK, MD**

Dr. McGetrick received his medical degree from University of Chicago Pritzker School of Medicine in June 2010. He was the Valedictorian of the College of Liberal Arts and Sciences at the University of Florida in Gainesville, where he received a degree in Interdisciplinary Studies Integrative Biology in May 2006. Dr. McGetrick has demonstrated a commitment to medical education as an MCAT instructor for the Princeton Review and

as a teaching assistant for several medical school courses. His volunteer experience includes mentoring high school students during an intensive research experience and working with incoming medical students to aid in the transition to medical school. Dr. McGetrick has worked with Dr. Gary Steinberg, MD, FACS examining clinical outcomes and indications for early and deferred cystectomy in patients with clinical stage T1 transition cell carcinoma. Dr. McGetrick's hobbies and interests include wakeboarding, snow skiing, snowboarding, tennis, jogging, and reading.



**INGE TAMM-  
DANIELS, MD**

Dr. Tamm-Daniels received her medical degree in June 2010 from University



The UW Medical Foundation Centennial Building, new home of the Department of Urology.

of Alabama School of Medicine in Birmingham. She graduated summa cum laude from Boston University in May 2004 with a degree in Biomedical Engineering. Dr. Tamm-Daniels has a history of academic excellence and was awarded scholarships, honors, and recognitions at both undergraduate and medical school levels. She has also been elected to the Alpha Omega Alpha Medical Honor Society. Prior to attending medical school, Dr. Tamm-Daniels worked in the pharmaceutical industry for Wyeth Biotech as a Regulatory Assistant and Engineer. Her hobbies include gardening, hiking, traveling, and soccer. **WU**

# A NEW CANCER EXPERT Joins the Department of Urology

STEPHEN HALL, CPA - ADMINISTRATOR



## The UW Department of Urology is pleased to welcome Tracy M. Downs, MD as our Director of Bladder Cancer and Intravesical Therapy Programs.

Dr. Tracy Downs comes from the University of California, San Diego, where he earned a national reputation for bladder cancer treatment and research. Dr. Downs completed a urologic oncology fellowship and a molecular biology research fellowship at UCSF after his residency training at Harvard Medical School, Brigham and Women's Hospital in Boston. "What attracted me to Madison is the strong program Dr. Nakada and others have established, and the opportunity to continue in this rich tradition as a leader in bladder cancer care and academic research," says Dr. Downs.

Dr. Downs provides state-of-the-art treatments for bladder and other urologic cancers, even in patients with highly invasive disease. His expertise includes advanced procedures such as Robotic Radical Cystectomy, transurethral resection of bladder tumors using the KTP "green light" laser, treatment of penile cancer using glans sparing surgical techniques, and renal cell cancer surgery for large renal masses extending into the inferior vena cava.

Noted for the highly technical Orthotopic Ileal Neobladder surgery, Dr. Downs creates a replacement bladder from a portion of the patient's small intestine. Neobladder recipients typically maintain much of their normal bladder function and are able to urinate similar to before surgery. Dr. Downs can perform this procedure on high-risk individuals who have undergone chemotherapy and radiation for bladder cancer. "Roughly half of these patients are still candidates," he says. He uses external approaches such as the Ileal Conduit and Indiana Pouch for patients who are not neobladder candidates. Overall, Dr. Downs uses the internal neobladder in

approximately 80 percent of bladder replacements, whereas a recent study determined the national rate is approximately 20 percent.

While Dr. Downs recognizes the importance of state-of-the-art surgical treatments, his strongest ambition is to eliminate the need for such operations through prevention, detection, and novel therapies. "To some extent, my goal is to work myself out of a job," he says. Dr. Downs is establishing a program, in collaboration with the UW Center for Tobacco Research and Intervention, to screen high-risk patients for bladder cancer. "Given that certain patients have highly aggressive bladder cancers at the time of diagnosis, this early detection approach could lead to earlier treatment and improved clinical outcomes," he says. "My unique title is indicative of our commitment at UW to not only treat invasive bladder cancer with bladder removal, but to provide novel therapies in an intravesical manner (injecting chemotherapy agents into the bladder), and identify and treat non muscle-invasive, or superficial, bladder cancer."

Dr. Downs utilizes a three-pronged approach that consists of prevention, detection, and innovative treatment. This includes educating people on

bladder cancer risk factors and screening high-risk patients. Dr. Downs wants UW to gain a regional and national reputation for leadership in providing novel therapies to prevent bladder cancer recurrence or progression to muscle invasive disease. He is currently participating in a clinical trial of an immune modulator geared toward patients who have failed first-line intravesical therapy with the agent BCG. He is part of a chemoprevention group working to identify other novel compounds that can be given to patients in order to reduce recurrence rates of bladder cancer and even prevent bladder cancer development. He is also the Principal Investigator on a chemoprevention study of the compound Polyphenol E.

"I'm excited to provide innovative surgical treatments that improve the quality of life for my patients," says Dr. Downs, "but I would prefer to help patients avoid major oncologic reconstructive procedures." Dr. Downs is highly motivated by the fact that bladder cancer mortality rates have not changed significantly over the past 20 years. "This is a cancer that needs to be attacked on multiple fronts." **WU**



DR. TRACY M. DOWNS

# >> UPCOMING UW UROLOGY EVENTS

TRICIA MAIER

## • Uehling Lecture Series

*Please mark your calendars for this yearly event!*

### 2010 UEHLING LECTURES October 29, 2010

**Announcing the upcoming 2010 Uehling Lectures: Hot Topics in Benign Urologic Diseases**



**WILLIAM D. STEERS, MD**

The Department of Urology at University of Wisconsin School of Medicine and Public Health will present this state-of-the-art urologic conference at the Fluno Center in Madison on October 29, 2010. This full-day conference will include sessions addressing benign prostatic hyperplasia, overactive bladder and men's health issues. This year's Uehling Lecturer is **William D. Steers, MD**, Professor and Chair of the Department of Urology at University of Virginia School of Medicine. Other distinguished speakers include faculty from UW Department of Urology. For program details and registration information contact Terese Bailey at (608) 240-2141.

This conference is sponsored by University of Wisconsin School of Medicine and Public Health Department of Urology and the Office of Continuing Professional Development in Medicine and Public Health. Please join us here in Madison for this one-day event.

## • Future Uehling Lectures

### 2011 UEHLING LECTURE

Eric A. Klein, MD from Cleveland Clinic Lerner College of Medicine will be our 2011 Uehling Lecturer. Dr. Klein is Professor and Chairman of the Glickman Urological and Kidney Institute and Head of the Section of Urologic Oncology in the

Department of Urology at Cleveland Clinic. Dr. Klein's clinical interests cover all aspects of urologic oncology including cancers of the prostate, bladder, testis, and kidneys. Dr. Klein is also the editor of *Urology*. Program information will be forthcoming in the spring issue of *Wisconsin Urology*.

## • 2011-2013 Endourology Fellowship Match

We are pleased to announce that Sri Sivalingam, MD, MSC, will be joining the Department of Urology in July 2011 to start his two-year fellowship in Endourology and Laparoscopy. Dr. Sivalingam is currently completing his urologic residency at the University of Manitoba. He received his medical degree from the University of Toronto. **WU**

## >> NOTABLE AND NEWSWORTHY

- Kudos to **Dr. Wade Bushman** who has been awarded \$218,000 by the NIH for the first year of a five-year R01 grant titled "Prostatic Inflammation Induces Neurovascular Changes."
- In April, UW Department of Surgery presented the first *Layton F. Ridders Faculty Teaching Award* to **Bruce Slaughenhaupt, MD** for his outstanding work in medical student education!
- **Drs. Sean Hedican** and **Stephen Nakada** recently contributed a chapter on Laparoscopic Surgery of the Kidney for Benign Renal Disease to the 3rd Edition of *Smith's Endourology*.
- **Walter Hopkins, PhD** was awarded \$181,000 annually for a two-year NIH R21 grant titled "Etiological Role of Epithelial Cell-Invasive *E. coli* in Chronic Prostatitis."
- **Dr. David Jarrard** has been appointed to a two-year term as a member of the Department of Defense Prostate Cancer Research Integration Panel. This group serves to direct research resources for the study of prostate cancer.

- Medical student Andrew Livermore became the first *Herbert Brendler, MD Summer Medical Student Fellowship* recipient, when the AUA Foundation selected his application to examine molecular abnormalities associated with prostate cancer development under the direction of **David Jarrard, MD**. Andrew also received a UW SMPH Shapiro Summer Research award for this project.

- Congrats to **Kristina Penniston, PhD** on her strong application and approval on the 2010-2011 Round I academic staff professional development grant proposal "Development of Ion Chromatography Skills for Urological Research."

- We are pleased to announce that **Daniel Williams IV, MD** was recently elected to the Society for the Study of Male Reproduction as a Member at Large for 2010-2011. Dr. Williams is co-director of the Male Sexual Health Program and he specializes in all aspects of male infertility.

- **Dr. Tracy Downs** was recently elected to membership in the Society of Urologic Oncology at the Annual AUA Meeting held in May 2010. He was also accepted into the Centennial Scholars Program at UW School of Medicine and Public Health for a three-year time frame in support of his research at the UW. Congratulations to Dr. Downs!

- **Dr. Sutchin Patel** was presented with the *Best Reviewer Award* by the Engineering and Urological Society (EUS). The selection was made by Dr. Dan Stoianovici, Professor of Urology and Mechanical Engineering at Johns Hopkins University, based on Dr. Patel's hard work and accurate judgment. Dr. Patel also moderated a poster session at the EUS meeting in San Francisco in May.

- **Bruce Slaughenhaupt, MD**, participated in the four-day 300-mile Wisconsin AIDS Network ACT 8 ride July 29-August 1. He raised \$8500 of the \$250,000 total!

- **Dr. Sean Hedican** moderated a Live Surgical Presentation of Laparoscopic Cryoablation and chaired a session on Robotic and Laparoscopic Surgery of the Upper Tract at the 28th World Congress on Endourology and SWL held in Chicago in August. **WU**

# >> DEPARTMENT RESEARCH



**KRISTINA  
PENNISTON,  
PHD, RD**  
ASSISTANT SCIENTIST

Many department faculty and staff are active in both clinical and research capacities.

The following is an overview of our current research:

**E. Jason Abel, MD**

Dr. Abel conducts clinical, translational, and basic research in urologic oncology. He currently is involved in several projects focusing on the development and metastasis of kidney cancer.

**Dale E. Bjorling, DVM**

Dr. Bjorling's interests include inflammation of the bladder due to non-infectious causes and mechanisms that modulate pain sensation and bladder healing. His primary emphasis is the causes and pathogenesis of non-infectious cystitis and effects of infectious cystitis on the afferent nervous system.

**Wade A. Bushman, MD, PhD**

Dr. Bushman's research interests focus on clinical research in bladder and pelvic floor dysfunction and basic research in prostate development and prostate cancer. Dr. Bushman is vice chair for research and academic affairs.

**Tracy M. Downs, MD**

Dr. Downs has a joint appointment with the UW Carbone Cancer Center. His clinical research focuses on developing new therapies for genitourinary cancers. Specific interests are: chemoprevention (bladder/ prostate cancer); bladder screening programs; outcomes research (non-muscle invasive bladder cancer and radical cystectomy); translational research (discovery of molecular and urinary biomarkers for bladder cancer); and quality of life outcomes (bladder/ prostate cancer).

**Sean P. Hedican, MD**

Dr. Hedican is co-director of the endourology fellowship and performs research in minimally invasive cancer treatments, gene therapy delivery systems, and understanding the immunology of cryoablation.

**Walter J. Hopkins, PhD**

Dr. Hopkins' research interests focus on urinary infections and prevention of urinary tract infections. One particular area of interest is the potential benefits of cranberries.

**David F. Jarrard, MD**

Dr. Jarrard has a joint appointment with the UW Carbone Cancer Center. His clinical research emphasizes developing new therapies for genitourinary cancers. He has an active basic science laboratory within which he and his staff examine genetic and epigenetic alterations in prostate cancer.

**John V. Kryger, MD**

Dr. Kryger's research interests are the effects of environmental toxins in male reproductive tract development, clinical outcomes of hypospadias repairs, and clinical outcomes of surgical management of neurogenic bladders.

**Sarah E. McAchran, MD**

Dr. McAchran has research interests in female urology include optimization of care pathways to improve surgical outcomes and clinical outcomes of female pelvic floor reconstruction.

**Timothy D. Moon, MBChB**

Dr. Moon's research focus is on developing laparoscopic techniques such as laparoscopic cryotherapy for kidney cancer. He is also involved with clinical trials of treatments for prostatic diseases.

**Stephen Y. Nakada, MD**

Dr. Nakada's research focuses on pathophysiology of the ureter, endourologic and laparoscopic surgical techniques, and all aspects (medical and surgical) of urinary stone disease. Dr. Nakada oversees the endourology fellowship program and research.

**David R. Paolone, MD**

Dr. Paolone's research interests are in the areas of benign prostate hyperplasia and penile disorders.

**Kristina L. Penniston, PhD, RD**

Dr. Penniston's research interests include clinical nutrition in kidney stones and prostate cancer. Current research projects include comparative effectiveness of nutrition therapy in prevention, management, and treatment of stone disease; development of a porcine model for urolithiasis; and quality of life of patients with kidney stones.

**Bruce L. Slaughenhoupt, MD**

Dr. Slaughenhoupt has research interests in kidney stone development, treatment and prevention in the pediatric population.

**John D. Wegenke, MD**

Dr. Wegenke's research includes clinical studies related to benign prostatic hyperplasia, urinary tract infections, overactive bladder, and erectile dysfunction.

**Daniel H. Williams, IV, MD**

Dr. Williams' research interest is male infertility and includes the preservation of fertility in men with cancer, the effects of advanced paternal age and the environment on male reproductive potential, and clinical outcomes of male reproductive tract reconstructions. **WU**



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