Dr. Bagley was honored as the 2010 recipient of the Karl Storz Lifetime Achievement Award in Endourology, which was presented at the World Congress of Endourology in Chicago, Illinois. Dr. Bagley was selected by the Endourological Society for “his extensive work and pioneering advances in ureteroscopic management of upper tract pathology which have benefitted not only the Society but legions of endourologists throughout the world”.

Dr. Demetrius H. Bagley is The Nathan Lewis Hatfield Professor of Urology and Professor of Radiology, Department of Urology, at Jefferson Medical College. His major interests and expertise are in urologic endoscopy, laser therapy and the treatment of calculi and intrarenal neoplasms. He has been invited to speak nationally as well as internationally on his experience in these fields.

After receiving his undergraduate and medical degrees at Johns Hopkins University in Baltimore, Maryland, Dr. Bagley completed two years of general surgery residency at Yale New Haven Hospital in New Haven, Connecticut, before completing a three-year fellowship in oncology at the Surgery Branch of the National Cancer Institute in Bethesda, Maryland. Dr. Bagley completed his four-year urology residency at Yale New Haven Hospital. His first faculty appointment in urology was at the University of Chicago (1979–1983) until he joined Jefferson Medical College.

Dr. Bagley is a member of the major urologic and endoscopic organizations and has been elected into the American Association of Genitourinary Surgeons. He is the past president of the Philadelphia Urological Society. Dr. Bagley is an associate member of Kimmel Cancer Center of Thomas Jefferson University. He previously was Editor-in-Chief of Diagnostic and Therapeutic Endoscopy, an online journal. He is also an associate editor of the Journal of Endourology and a reviewer for the Journal of Urology, Urology, and British Journal of Urology International. Dr. Bagley is the author/co-author of 8 books on urologic endoscopy and has written over 300 original papers and chapters. Dr. Bagley has been cited in Best Doctors in America and Philadelphia Magazine’s “Top Doctors” for stone treatment and ureteroscopy. He is an internationally recognized expert in the field of endoscopy. The Department of Urology congratulates Dr. Bagley, our colleague, on this award and his numerous milestone accomplishments in the Field of Endourology.
CHAIR’S LETTER

Dear Friends,

In this Summer 2010 edition we will try to start to catch up on some of the great news over the last 6 months. We were thrilled to learn that Dr. Bagley received the Storz Lifetime Achievement Award from the Endourology Society. Our residency program expansion officially went into effect on July 1, 2010 when three new urology interns joined the Department of Surgery for their preliminary training. Dr. Francisco "Paco" Gelpi-Hammerschmidt joined us as a third member of the PGY3 Class. Dr. Kelly Healy is our new Endourology Fellow and we welcomed Dr. Jaspreet Singh as a new faculty member to head up our new office located at the Navy Yard. Details are available for some of these items in the edition and the upcoming Fall 2010 edition of JUN.

Stay tuned...
Leonard G. Gomella, MD

2010 RESIDENCY MATCH RESULTS

The Department of Urology is proud to announce the Urology Residents for 2010 at Thomas Jefferson University Hospital as Drs. Ryan Cleary, Michael Amirian and Nathan Roberts. These three new urology residents started as interns in the Department of Surgery on July 1, 2010.

Michael John Amirian, MD is a graduate of SUNY Downstate Medical Center College of Medicine, Brooklyn, NY. Dr. Amirian received a BS in Cell and Molecular Biology from Binghamton University-SUNY. For the past two years Dr Amirian has worked with Drs J Blaivas and J Weiss on clinical studies involving the overactive bladder. He is a sports fan and “has an interest for pretty much anything that gives him an excuse to get outside”.

Drs. Ryan Cleary and Nathan Roberts are both frequent visitors to our department and both graduates of Jefferson Medical College, 2010. Ryan Cleary, MD did his undergraduate studies in Chemistry at Mount St Mary’s University in Emmitsburg, MD. He was Treasurer of the Jefferson Urology Society and participated in a summer research study at NIDDK as well as numerous research projects with Dr Bagley in our department which culminated in presentations at national meetings. He enjoys ice hockey, cooking and fishing.

Nathan R Roberts, MD has a BS in Health Studies and a MS in Physical therapy from Boston University. Dr. Roberts participated in a review of ileovesicostomy with Dr. Shenot. His special interests are running, kayaking, carpentry and reading.

The Department of Urology is also pleased to congratulate these additional Jefferson Medical College students in the Class of 2010 who matched at the following programs:

Timothy B. Brown, MD- Massachusetts General Hospital, Boston, MA
Thenappan Chandraseka, MD- University of California at Davis, Sacramento, CA
Geoffrey S. Gaunay, MD- Beth Israel Med Ctr, New York, NY
Trisha M. Juliano, MD- Vanderbilt University School of Medicine, Nashville, TN
Franklin C. Lee, MD- Univ. of Washington, Seattle, WA
Mona Yezdani, MD- George Washington University, Washington, DC

Our match rate was 100% this year for JMC students who chose urology, an impressive statistic with the nationwide overall match rate slightly over 75%. According to Dean Mark Tykocinski in a congratulations note sent to Dr. Gomella: “This is a great testament to your department, both in terms of the number of medical students electing to go into Urology, but also the caliber of the institutions they are matching at”.

The Department of Urology is grateful for the orchestration of this successful program to Dr. Patrick Shenot, Residency Program Director and the support staff in the Department of Urology.
JEFFERSON THANKS THE NOVAK AND PERKINS FAMILIES FOR THEIR SUPPORT

An acknowledgement dinner in honor of the founders of the Benjamin Perkins Bladder Cancer Fund was held earlier this year. The fund was inspired by the story of Benjamin Perkins, Sr., an internationally recognized professional horseman and bladder cancer survivor. The effort is led by Honorary Fund Chairman Ebby Novak, Ben's close friend and owner of New Farm Stable in Marlton, New Jersey. Mr. Novak established the fund in the Fall of 2002 to help the Department of Urology develop the premier bladder cancer research program and treatment center in the US. Attendees included Ebby and Nancy Novak, Ben and Geri Perkins, Kenny and Lisa Brownstein, Lenny and Tricia Gomella, Fritz Ruccius and Dr. Robert Barchi. The evening was hosted by TJU President Dr. Robert Barchi who expressed gratitude to the Novaks and Perkins for their long term support of the bladder cancer research programs at Jefferson.

DEPARTMENT OF UROLOGY AND THE JIPE (JEFFERSON INTERPROFESSIONAL EDUCATION CENTER)

Several members of the department have participated in a program on Interprofessional Education. JIPE is one of the premier interprofessional education centers in the U.S. The Jefferson Center is dedicated to improving interprofessional care (IPC) through implementing and evaluating patient-centered education throughout the Thomas Jefferson University curriculum. This interprofessional Education and Care initiative is a new focus at Jefferson. The Urology course was designed and implemented by Dr. Demetrius Bagley in collaboration with our inpatient, outpatient and OR nursing staff. The program itself consisted of four sessions designed to help develop and further implement a program of interprofessional education. The four sessions included discussions of program design, teaching, educational aims and literature research techniques.

Representatives included the members of the urology office and department and the nursing department and the OR specials group. These included Emily Feeney, Darlene Bewick, Bridget Lepchuk, Maryann Sonzogni, Sonia Hurtado and Demetrius H. Bagley. The program for the Department of Urology which had been considered earlier was therefore consolidated with a design plan to have a lecture series by faculty and other department members, a nonphysician Journal Club and a shadowing program to experience role crossing.

The first two Journal Club sessions have been completed. The participants present included members from both offices, the operating room, the in-hospital care team and faculty.

The first session reviewed papers on endourology and prostate cancer while the second was on incontinence and female urology. The Journal Clubs are planned at 3 month intervals with subjects and specific formats to be modified as desired.

The nursing staff also participated in the Annual Avalon Urology Symposium also coordinated by Dr. Bagley.
Dr. JULIE BARTHOLD – NIH-R01 AWARD

Dr. Julie Barthold, Associate Professor of Urology at TJU, Associate Chief, Division of Pediatric Urology, and Director of Research for the Division of Pediatric Urology at Nemours/Alfred I. Dupont Hospital for Children (AIDHC), has been awarded a competitive NIH-R01 grant as a surgeon scientist. The grant is entitled “Genetic Basis of Cryptorchidism”. This study will be funded over a period of 4 years with total grant compensation of $2.06 million. This is the largest R01 awarded to AIDHC.

Dr. Barthold obtained her preliminary studies on Cryptorchidism as one of the target investigators on a NIH COBRE-funded Center for Pediatric Research under the leadership of Drs. Tom Shaffer and Carolyn Schanen. In addition, the support of Dr. Barthold's Division Chief, Dr. Sonny Figueroa, and the Department of Surgery Chair, Dr. Jim Reilly, has been instrumental in Dr Barthold’s success.

A brief synopsis of Dr Barthold’s proposal is as follows: Cryptorchidism is the absence of one or both testes from the scrotum. This usually represents failure of the testes to move, or “descend,” during fetal development. Cryptorchidism is a common congenital anomaly with evidence for multilocus genetic contribution. Analysis of candidate genes important for testicular descent has failed to detect functional genomic variants in the vast majority of cases, suggesting that more common allelic variants additively contribute to genetic susceptibility. Consequently, Dr Barthold and coworkers propose a genome-wide association study that will use a collaborative approach to optimize the likelihood of defining susceptibility loci for non-syndromic cryptorchidism. They will capitalize upon previous and ongoing sample collection at 4 major institutions, one of which houses a well-established genotyping facility and extremely large database of genotypes from healthy children, a newer generation genotyping platform that interrogates both single nucleotide polymorphisms (SNPs) and areas of copy number variation (CNV) and ongoing studies of the genetic basis of cryptorchidism in an animal model for testing of gene candidates. Dr. Barthold’s lab will study candidate genes at significant loci for expression in rat target tissues and for association of functional SNPs with cryptorchidism. This new investigator-initiated proposal will capitalize on existing, complementary clinical and animal model resources, provide a novel approach to identifying genomic loci that contribute to the risk of cryptorchidism and provide a therapeutic approach.

The Department of Urology at Thomas Jefferson University is honored to have her as a faculty colleague and congratulates her on this academic accomplishment, and looks forward to her continued success.

2010 Urology Visiting Professor

Anthony A. Caldamone, MD
Professor of Surgery (Urology) and Pediatrics, Brown University School of Medicine
Chief, Pediatric Urology Hasbro Children’s Hospital

Wednesday, October 20th
8:00 a.m. – 4:30 p.m.
Lecture Hall, Alfred I. duPont Hospital for Children

For more information contact:
Karen Bidus at 302-651-6752 or e-mail kbidus@nemours.org
ANDREA MORRIONE’S LAB SEARCH FOR CLUE TO INVASIVE BLADDER CANCER

Bladder cancer often becomes aggressive and spreads in patients despite treatment, but Dr. Andrea Morrione and his research team, as members of TJU Department of Urology and the Kimmel Cancer Center at Jefferson have identified a protein that they believe is involved in pushing tumors to become invasive and deadly. This protein, identified as Insulin Growth Factor–I Receptor (IGF-IR) is a critical regulator of motility and invasion of bladder cancer cells, and may become a novel molecular target to treat patients with bladder cancer in order to prevent metastasis.

Dr. Andrea Morrione and his colleagues - David Metalli, Francesca Lovat, Farida Tripodi, Shi-Qiong Xu, Michela Spinelli, Lilia Alberghina, Marco Vanoni, Raffaele Baffa, Leonard Gomella, and Renato Iozzo have published these findings entitled as “The insulin-like growth factor receptor I promotes motility and invasion of bladder cancer cells through Akt- and MAPK-dependent activation of paxillin” in American Journal of Pathology 2010, June; 176(6): 2997-3006.

The publication states that this research is promising, because there are about a dozen agents targeted against IGF-IR that are now undergoing clinical testing to treat a variety of patient tumors as well as clinical testing for the presence of IGF-IR could serve as a novel tumor biomarker for diagnosis, and possibly prognosis of bladder tumors.

Although bladder cancer is common, the molecular mechanisms that push the cancer to become invasive and to spread are still poorly understood. Most bladder cancers are caught early and treated, however bladder cancers often come back and become aggressive, despite expensive therapy with surgery, chemotherapy, or immunotherapy.

In this study, Dr. Morricone’s team looked at the role of the protein receptor for the growth factor IGF-I, an important modulator of cell proliferation in bladder cancer cells. They found that although activation of IGF-IR did not affect growth of bladder cancer cells, it did promote the migration and invasion of these cells. The researchers showed that IGF-IR activated other molecules in cancer-promoting pathways (Akt and MAPK) that allow cancer cells to break its bond with other cells in a tumor in order to travel to others sites in the body and metastasizes.

“These data seem to indicate that this protein receptor may play a more prominent role in later stages of bladder cancer, not in the initiation of the cancer. Additional work is needed to validate the role of IGF-IR in pushing bladder cancer into an invasive form, but if the results continue to be promising, it might be possible to test anti IGF-IR therapies in bladder cancer and to see how effective a test for these proteins in bladder tumor biopsies might predict cancer spread,” said Dr. Morrione.

The study is funded by the Benjamin Perkins Bladder Cancer Fund and the National Institute of Health. Additional lab support is provided by the Martin Greitzer Fund. The above article was also featured by Internet News Blasts at Thomas Jefferson University.

THE 5-MINUTE UROLOGY CONSULT, SECOND EDITION RELEASED IN 2010

The Second Edition of the popular reference "The Five Minute Urology Consult" has been published by Wolters Kluwer Health and Lippincott Williams and Wilkins. The book is edited by Dr. Gomella with contributions by all of the faculty and a major representation by our residents of the department. Drs. Ed Trabulsi and Pat Shenot had major editorial roles in the development of the book. The international editorial board includes distinguished urologic faculty from over 20 countries. This fast-access reference provides a current guide on more than 270 of the most common urologic disorders with over 1100 short urologic topics for quick and accurate reference. The two-page outline format provides essential information, including disease presentation, diagnostic tests and interpretation, differential diagnosis, drug and treatment options, follow-up care, ICD-9 codes, and more. Concise diagnostic algorithms, new in this edition, along with convenient TNM tables, comprehensive urologic drug reference, and additional, short topic disorder summaries give fast diagnostic and treatment support. A companion website gives the book’s full content and an image bank online. For more information go to www.urologyquestion.com.
Grand Rounds and Journal Club Visiting Faculty

The Department hosted several visiting faculty for grand rounds and Journal Clubs over the last academic year.

Dr. Harris M. Nagler MD, FACS presented Grand Rounds in the Department of Urology. His presentation highlighted Male Infertility, Vasectomy Reversal and Erectile Dysfunction. Dr. Nagler is a recognized expert in the field of male infertility, and is on the board of the Society for the Study of Male Reproduction.


Dr. Jack Elder is a well known Pediatric Urologist and Chief of Urology at Henry Ford Hospital. In addition to moderating a Journal Club in Pediatric Urology Dr. Elder presented a grand rounds on the current status of the AUA guidelines for reflux disease.
DR. FRANCISCO GELPI-HAMMERSCHMIDT, NEW PGY 3

Dr. Francisco Gelpi joined our residency program as a PGY3 on July 1st. Dr. Gelpi received his BS in Biology (2004) and an MD (2008) from the University of Puerto Rico, San Juan, PR. He also completed general surgery as a specialty at the Medical Sciences Campus of the University of Puerto Rico. Dr. Gelpi had interviewed for the TJUH Urology Residency Program in which the PGY-3YR would be expanded from two to three residents. He now joins fellow PGY3s Drs. Shawn Liu and Chandan Kundavaram. The Department of Urology warmly welcomes Dr. Francisco “Paco” Gelpi, his wife Ana and his 4 month old daughter Adriana.

DR. KELLY A. HEALY - C.R. BARD FELLOWSHIP

Kelly Healy, MD is our new 2010-2011 C.R. Bard Fellow in Endourology and Laparoscopy. She has completed her urologic residency and medical degree at the Emory University School of Medicine in Atlanta, Georgia. Kelly as a resident achieved numerous honors and awards. Just to name a few: Top In-service exam score at Emory 2010, Resident Academic Bowl Winner, Georgia Urological Association and 1st Place T. Leon Howard Case Presentation, Southeastern Section AUA Annual 2009 Meeting. Kelly has been working as a fellow with Drs. Bagley, Hubosky, Lallas and Trabulsi in endourology, robotics and laparoscopy and is an Instructor in the Department of Urology. Kelly enjoys hiking and running. We wish her well in her stay with us in “Sunny Philadelphia”.

DEMETRIUS H. BAGLEY, MD TREATS CLOE, THE SNOW LEOPARD

The veterinary projects and collaboration continue. Dr. Bagley worked with Drs. Allyson Berent and Chick Weisse at the Big Cat Rescue Center in Tampa, Florida to treat a snow leopard with a renal calculus. Cloe, a 65 pound snow leopard, was found to have a 2 cm left renal stone. A ureteral stent was placed before shock wave lithotripsy was used to break the stone. The lithotriptor was provided by the Bay Area Stone Treatment Center. Dr. Berent will be returning to cystoscope the patient and remove the stent in July. A video of this procedure can be seen on “youtube” using the following link: http://www.youtube.com/watch?v=BCXPXAX8bs4
TEAM JEFFERSON – “RUN 4 YOUR LIFE”

Team Jefferson made a difference this Father’s Day. Nine members of the Thomas Jefferson University family under the guidance of their team leader, Dr Costas Lallas participated in the 7th Annual Father’s Day Prostate Run “Run 4 Your Life” (5K Race) on June 20th at the Philadelphia Museum of Art. This race strives to advance awareness of prostate cancer as a life threatening disease and to raise funds explicitly directed for research in eradicating prostate cancer. Participants and bystanders range from survivors, families, medical practitioners and runners who raised $225,049 to fight prostate cancer in 2010. This particular race was most memorable since the namesake of the race, Gary Papa had succumbed to prostate cancer within the past year. In addition to the runners, a dozen members of the Department including students, faculty, staff and family participated in distributing information about prostate cancer awareness at the KCC table. Breast and Prostate Health International, the coordinator of this annual event, helps support our annual prostate cancer screening event through a grant to the Department of Urology and the Kimmel Cancer center.

Jefferson’s team was certainly challenged and their endeavors are seen by the following results:

- Jon Koppel (Son of Max Koppel), 22.34 min
- J.R. Zola (PGY-5 TJUH Urology Resident), 23.59 min
- Costas Lallas (Team Leader) 24.52 min
Congratulations to Drs. Bagley, Gomella and Shenot on being named Castle Connolly Top Doctors in Philadelphia Magazine 2010!

Patrick J. Shenot, MD was promoted to Associate Professor in the Clinical and Educational Scholarship Track.

Jeanne Llenado, DO was promoted to Clinical Assistant Professor in the Clinician Educator Track.

Ed Trabulsi, MD was honored by the Kimmel Cancer Center during their spring "All Hands Meeting" for his contributions to the research and clinical care missions of the Kimmel Cancer Center.

Congratulations to Dr. Adeep Thumar upon receiving the 2nd Annual Max M. Koppel MD, MPH, Captain USPHS Resident Achievement Award. The award is presented to the TJUH urology resident who obtains the highest InService Exam score. This award was funded through the generosity of the Leonard and Barbara Frank Fund.

Darlene Bewick, MSN, CRNP and Karen Millsip represented our department in an TJUH Outreach Program at “2010 Field Hockey Tournament” at Haverford School in April. They informed passersby at their booth on early detection and prevention of genitourinary cancers. Educational handouts on testicular and prostate cancer and JEFF provider information were also available to the public at this event.

Dr. Khalid Safi, Consultant Urological Surgeon, from King Hussein Cancer Center in Amman, Jordan visited our department in April. Dr. Safi observed surgical procedures, especially endourological techniques under the auspices of Dr. Demetrius Bagley.

ShiQong “John” Xu, MD, PhD, a member of Dr Morrione’s research team was honored for his 5 years of service at Thomas Jefferson University. Dr. Gomella also presented Megan Reilly (Billing) with her 5-year certificate of employment at Jefferson.

Judd W. Moul, M.D., F.A.C.S., 1982 JMC graduate and Division Chief of Urology at Duke University has been appointed the first James H. Semans, MD Professor of Surgery in the Department of Surgery at Duke.

Drs. Leonard and Barbara Frank have donated tickets to the Walnut Street Theatre for use by the residents. There are four tickets for each show in the series. The residents among themselves select the show that they want to see and they receive two tickets. If the date they have for the show is not convenient with their schedule, they can exchange the tickets for any time at no charge during the run of that show. Chief Resident Dr. Jim Johannes coordinates the program on behalf of the residents. Thanks again to the Franks who provide "360" degree support to our residents.

Dr Andrea Morrione attended the 2010 American Association of Cancer Research, AACR Annual Meeting in Washington, DC from April 17-21, 2010. Dr. Morrione, as Director of our urology basic science research, presented “The insulin-like growth factor receptor I promotes motility and invasion of bladder cancer cells through Akt- and MAPK-dependent activation of paxillin”. The co-authors of this research endeavor are the following co-authors: Metalli D, Lovat F, Tripodi F, Xu S-Q, Alberghina L, Vanoni M, Baffa R, Iozzo RV, Gomella LG, Morrione A.
Welcome

Deborah (Debbie) Day accepted the position as the Office Procedure Scheduler in the Department of Urology. Ms. Day has twenty-nine years of experience in the medical field, all of which took place at Jersey Shore University Medical Center in Neptune, New Jersey. Most of her experience was in the hospital scheduling for endoscopic procedures, cardiac procedures and Pre-Admission testing.

Patti Smith has been promoted to the Surgical Scheduling position. Patti has been in the Department of Urology for just over one year, but she has proven to be a great asset and done a great job in scheduling appointments.

Michele McDonnell has joined the Department of Urology as Education Coordinator and Timekeeper for the Department of Urology. Michele comes to us from the Department of Orthopedic Surgery where she was the Education Coordinator and Timekeeper. In addition, Michele has experience with the medical students, Orthopedic Fellowships and coordinated their special events. Michele has been an employee of Jefferson since 2008. Michele attended the Community College of Philadelphia.

The Department of Urology warmly welcomes all of our new employees.

Farewell

Megan Reilly (Billing)
Joanna Schultz (Education Coordinator)
Amanda Hall (Surgical Scheduler)
Deb White (Check-out, Procedure Scheduler)
Purvee Panchal (Medical Assistant)
Roxanne Pearlstein (Medical Records)
Melissa Ellett (College-Front Desk)

Congratulations! Drs. Paul and Allison Gittens welcomed their daughter, Samantha Madelyn. Born: December 22, 2009; Weight: 6lbs, 9oz

Dr. Mark and Kate Pe welcomed the newest addition to their family, Noah Rajiv. Born: September 14, 2010; Weight 6 lbs, 2 oz.

SEPTEMBER KOP SKY BANNER CAMPAIGN.
September is Prostate Cancer Awareness Month. As part of this event, TJU traditionally promotes the Department of Urology in various advertising outlets. Several members of our faculty are currently featured in a "Sky Banner" display in the King of Prussia mall food court.

In Memoriam

Mrs. Jean Bogaev
(wife of former Jefferson Urologist Jules Bogaev)