Patients visiting Department of Urology physicians later in 2017 will be among the first treated in UC San Diego Health’s new Outpatient Pavilion (OPP) in La Jolla. Currently under construction, the $140 million clinical and surgical services facility will be situated on the University of California San Diego east campus, directly across Interstate 5 from the UC San Diego School of Medicine and VA Hospital. The new facility will join the existing Thornton Pavilion, Sulpizio Cardiovascular Center, Perlman Medical Offices, and Moores Cancer Center, along with the recently opened Jacobs Medical Center, a 245-bed, ten-story hospital featuring advanced surgical care, cancer care, and care for women and infants.

Services under One Roof

The primary benefit of this new urological clinic and procedure space will be to enhance the positive aspects of the patient experience. According to Christopher J. Kane, MD, chair of the department, the expansion will accommodate the Department of Urology’s great growth, which includes the addition of two new faculty members, while simultaneously allowing it to consolidate services under one roof. “We are thrilled to have the opportunity to consolidate our urology practice,” stated Dr. Kane. “The OPP will provide us with our own space on the La Jolla medical campus independent of Moores Cancer Center, where a number of our urological oncology faculty are currently located.”

Colocating the differing services in one space allows for close collaboration among urologists, who have been spread across the Moores Cancer Center and Chancellor Park clinics. Patients benefit when physicians can easily and quickly confer.

The Urology clinic space features fifteen exam rooms and four procedure suites in an integrated setting, all located on the first floor. The four urological services that will be provided to patients are urological cancer, reconstruction, men’s health and fertility, and urinary stone disease. Because medical imaging services will also be available within the OPP, all outpatient urological care will be offered in one convenient location, from initial clinic visit to diagnostic radiology to outpatient surgery, then post-surgical follow-up visits and, if needed, physical therapy. This integration of diagnostics, surgery, and physical therapy creates a unified experience for patients that will promote healing.

In addition to Urology, the new Outpatient Pavilion will house musculoskeletal care, breast care, and pain and infusion clinics. The building will integrate ambulatory surgery with diagnostics and physical therapy, outpatient imaging, physical and occupational therapy, and rehabilitation.

Architectural Features

CO Architects has designed numerous educational and medical facilities at universities and colleges throughout California. Their OPP plan consists of more than 165,000 square feet situated on 3.5 acres. Once construction is completed by general contracting company Rudolph and Sletten, the four-story building will comprise two wings connected by a “spine” accessible to the public. Sitting on a slope, the structure’s lower story will be fully-to-partially below grade and will connect to the Perlman Medical Offices. The building design features a dramatic three-story atrium in both wings, with

continued on page 5
Roger Sur, MD, directed a course in laser surgery, “Latest Innovations in Kidney Stone and BPH Surgery,” in conjunction with faculty from Naval Medical Center San Diego and Genesis HealthCare. There were twenty-one participants, including three UC San Diego Urology residents. Convened at the Medical Education and Telemedicine Building on the UC San Diego School of Medicine campus, the course focused on laser lithotripsy techniques, laser prostate vaporization, and laser prostate enucleation.

A mixture of didactic and practical training, the course included hands-on, proctored surgical simulation. Course faculty member James L’Esperance, MD, of Naval Medical Center San Diego, gave a lecture, “The Foundation: Physics, Tissue Interaction, Safety and Patient Selection.” Dr. Sur lectured on “Holmium Laser Lithotripsy for Kidney Stones.” Mark Leo, MD, visiting faculty from Urology Specialists of Nevada, gave a talk, “Holmium Laser Vaporization of the Prostate.” The agenda also included an in-depth discussion led by Vaughan Daniels, EMEA Holmium clinical manager at Lumenis.

This laboratory course was an important event for the Department of Urology. According to Dr. Sur, “Directing a course where local institutions can leverage their key opinion leaders helps advance both teaching urologists and cooperating in the educational mission of UC San Diego.”

UC San Diego Health was named among the “100 Great Hospitals in America” by Becker’s Hospital Review in May 2016. The award recognizes hospitals with a strong history of innovation, top-notch patient care, clinical advancement, and forward-thinking research.

UC San Diego Health was awarded a “Distinguished Hospital Award for Clinical Excellence” for the third year in a row by Healthgrades, placing us in the top 5 percent of US hospitals delivering superior care to the Medicare population based on clinical outcomes.

Awards for Clinical Excellence

In 2016, UC San Diego Health was awarded a “Distinguished Hospital Award for Clinical Excellence” for the third year in a row by Healthgrades, placing us in the top 5 percent of US hospitals delivering superior care to the Medicare population based on clinical outcomes.

UC San Diego Health Andrology Laboratory, a new service under the direction of T. Mike Hsieh, MD, will be a one-of-a-kind lab serving an unmet need in San Diego County. The lab will be capable of performing advanced sperm testing to evaluate male fertility (sperm analysis, sperm morphology, and sperm DNA fragmentation testing). It will also process semen and testicular tissue to enable assisted reproductive technology (intruterine insemination and in vitro fertilization).

In addition, the lab will house a sperm bank destined to play an important role in fertility preservation for San Diego cancer survivors. Last, the lab will support research efforts. Dr. Hsieh currently collaborates on a germ cell maturation project with researchers in a stem cell lab at the Sanford Consortium for Regenerative Medicine. This research is supported by a grant from the California Institute for Regenerative Medicine.
Message from the Chair

It’s my pleasure to welcome you to the ninth Urology program newsletter in my tenure as leader of Urology.

I am happy to announce that the UC San Diego chancellor approved our transition to an academic Department of Urology in the UC San Diego School of Medicine as of April 1, 2017. You may recall that we became a clinical Department of Urology in March 2013. Our transition to an academic department separates our research and educational programs from the Department of Surgery and gives us, for the first time, the status of a completely independent entity within the School of Medicine.

I want to thank Chancellor Khosla, Vice Chancellor Brenner, and chair of the Department of Surgery Bryan Clary for their support in our transition to full academic department status. This change will help us represent Urology’s needs at the institutional level; help us in our recruitment of faculty, trainees, and staff; and help UC San Diego Health. A robust and highly distinguished Department of Urology brings credit to the university.

This really marks an incredible year for us. The Jacobs Medical Center, a spectacular facility, just opened in November 2016, featuring the most modern technology and amenities, all designed for patient comfort and safety.

Urology faculty and trainees are thrilled to be in the new space, enjoying our large and well-equipped operating rooms with improved scheduling.

As you will learn in this newsletter, we are also planning for the opening of the new Outpatient Pavilion, slated for November 2017. Urology will have a significant presence there, consolidating our services in a single location on the Health Sciences campus. Services will encompass urologic cancer, stones, reconstruction, and men’s health, all located a convenient distance from Moores Cancer Center and Jacobs Medical Center, hubs of our clinical activity. Our new outpatient operating rooms in the Outpatient Pavilion will also facilitate our continued growth and patient service.

I also want to highlight some of our significant research this year and to particularly congratulate Kelly Parsons on the PROSTVAC® trial, an immune therapy intervention for men with prostate cancer on active surveillance. Kelly is the national principle investigator, and we are the lead accruer to that study. Please note the significant grants, clinical trials, and publications in the academic summary. I am so proud of our faculty and trainees for their productivity and contributions.

It’s wonderful to celebrate our newly expanded residency and fellowship programs, run by Jill Buckley and our fellowship directors. We continue to compete for and train the best and the brightest.

In addition, we had a successful faculty recruitment year, and we are very pleased to welcome Yahir Santiago-Lastra, MD, who joins us as an assistant professor. She comes to us from Massachusetts General Hospital in Boston, where she was a clinical instructor in surgery. She specializes in pelvic medicine and reconstructive surgery in women and men. Dr. Santiago-Lastra treats patients in our Hillcrest Urology Clinic.

“I am so proud of our faculty and trainees for their productivity and contributions.”

Finally, I want to thank our donors, philanthropists, and partners who have invested in our science and in our people. The return on that investment in the form of scientific progress will continue to be evident.

If you are an alumnus of our program, please feel free to contact me so that we can include you in our announcements for postgraduate courses, Grand Rounds, and social gatherings in San Diego and at our national meeting.

With best regards,

Christopher J. Kane, MD
Professor and Chair of Urology
Joseph D. Schmidt, MD Presidential Chair in Urology

Grant Highlights

J. Kellogg Parsons, MD, is the site principal investigator on the PROSTVAC clinical trial, “Phase II Randomized, Placebo-Controlled Trial of PROSTVAC (PSA-TRICOM) in Patients With Clinically Localized Prostate Cancer Undergoing Active Surveillance.” Funded by the National Cancer Institute, this trial seeks to determine the efficacy of a prostate cancer vaccine (PSA-TRICOM, or PROSTVAC) in the prevention of disease progression in prostate cancer patients who are undergoing active surveillance.

Christina Jamieson, PhD, is the principal investigator of a $450,000 award from the Leo and Anne Albert Charitable Trust. Renewed in 2016 for another three years, the grant, titled “New Patient-derived Models of Bone Metastatic Prostate Cancer,” seeks to develop new in vivo models for bone metastatic prostate cancer using patient-derived prostate cancer bone metastasis specimens. Dr. Jamieson plans to use these new models to understand the mechanism of prostate cancer interaction with the bone microenvironment in order to identify biomarkers and targets for molecular therapy.

continued on page 4
Prentiss Visiting Professor
Dr. Jack Christian Winters

We were honored to have Jack Christian Winters, MD, deliver the 2016 Robert J. Prentiss Lecture as part of our Visiting Professor Grand Rounds in September. Dr. Winters is 2016 president of the American Board of Urology (ABU), professor of urology, and director of the Cancer Research Therapy Center at the UT Health Science Center San Antonio. His lecture was titled “A Critical Appraisal of the Abdominal Sacral Colpopexy.” The residents appreciated and benefited immensely from his great fund of knowledge and expertise.

Dr. Winters is the H. Eustis Reilly Professor of Urology and Gynecology and chairman of the Department of Urology at the Louisiana State University Health Sciences Center in New Orleans. He holds a dual role as vice chancellor of Clinical Affairs at LSU Health and interim CEO of the LSU Healthcare Network. His reputation in resident education is well known. In 2005, he was appointed program director of the Ochsner/LSU Urology Residency Program. In 2009, the American Urological Association named him Teacher of the Year. Awarded the Christina Manthos Award by the Society of Women in Urology in 2015, he has been lauded for his mentorship of women in the field. Dr. Winters was appointed to the American Board of Urology as a trustee in 2011.

Funding for the Prentiss Lecture Series is provided in part by the San Diego Urological Society. The Visiting Professor Grand Rounds program takes place monthly during the academic year and includes presentations by UC San Diego Urology and Naval Medical Center residents.

See the schedule of upcoming lectures at http://urology.ucsd.edu/cme.

Residency and Fellowship Match Results

Eileen Byrne, MD, from University of Central Florida; Robert Fisher, MD, from Saint Louis University; and Christopher Koprowski, MD, from Rutgers University are our new residents. Seth K. Bechis, MD, MS, from Massachusetts General Hospital, is the 2016–17 UC San Diego–Kaiser Endourology Fellow.

Kyoko Sakamoto, MD, received a Health Sciences Academic Senate Grant from UC San Diego to study the role of pelvic floor muscle atrophy and myo-architectural changes in post-prostatectomy urinary incontinence. Urinary incontinence is a major medical illness, affecting 17 percent of women and 38 percent of men. In collaboration with R. Raj Rajasekaran, PhD, Dr. Sakamoto seeks to better understand the pathophysiology of urinary incontinence using novel diagnostic imaging tools.

Christopher J. Kane, MD, is coprincipal investigator with Donna Hansel, MD, PhD, and David Karow, MD, PhD, both of UC San Diego, on the project “Evaluation of Whole Body RSI-MRI as a Biomarker for Detection, Characterization and Therapy Response of Metastatic Prostate Cancer.” The two-year, $1 million grant is the 2016 Astellas and Medivation–Loyd and Jeff Zisk Challenge Award from the Prostate Cancer Foundation. Dr. Kane and his team are developing a new, radiation-free molecular imaging technology with the goal of more accurately detecting and staging metastatic tumors.

Grant Highlights continued from page 3

Clockwise from top:
Elana Godebu, MD; Nishant Patel, MD; Joel Abbott, MD

Dr. Winters (center, front) with Urology faculty, fellows, and residents

Alumni Update

The department congratulates our residents and fellows who graduated in June 2016. We wish them all the best in the next phase of their careers. Elana Godebu, MD, is now a urological surgeon at Martin Health System in Stuart, Florida. Nishant Patel, MD, entered the Advanced Endourology and Stone Disease Fellowship at the Cleveland Clinic Foundation in Ohio. Joel Abbott, MD, is in practice with Chesapeake Urology in Baltimore, Maryland. Michael Yap, MD, not pictured, joined a practice in Tampa, Florida.
Daylight reaches far into the floor plan, bringing natural light and views of the sky.

Green Features

Along with features for convenience and comfort, the new building will target a minimum LEED (Leadership in Energy and Environmental Design) Silver rating and will outperform state energy efficiency standards by 20 percent. LEED is a certification program that independently verifies the green features of many building types, including schools, retail stores, and health care facilities. Implemented to improve environmental and human health, these features include energy efficiency, indoor environmental quality, materials selection, sustainable site development, and water savings. The US Green Building Council (USGBC) runs the program, launched in 2000. Since then, the rating system has spread internationally. Seeking LEED certification for the Outpatient Pavilion follows a trend in construction on UC San Diego’s campus, with the goal of increasing environmental sustainability and improving health.

Ready for the Future

The Outpatient Pavilion is part of the notable boom in health-care infrastructure construction at UC San Diego. In addition to the Jacobs Medical Center, this includes the Altman Clinical and Translational Research Building, a campus research hub housing multiple departments with laboratory and administrative space, in addition to parking decks and lots that will greatly expand parking space availability for patients, staff, and faculty. These are boosts to convenience and, more importantly, quality of care. The rapid expansion of medical services gets ahead of the current state and size of the regional patient base and anticipates the inevitable demographic explosion as the baby boomers age, creating the readiness to satisfy the medical needs of an expanding patient population. With the new Outpatient Pavilion, UC San Diego Health and the Department of Urology improve present operational abilities and prepare for the future.

Publications

UC San Diego Urology has more than eighty-five publications this year. A few key articles and book chapters are noted below.

**Cancer, Bladder**


**Cancer, Kidney**


**Cancer, Prostate**


**Incontinence**


**Guidelines**

Publications continued from page 5


Men’s Health

Pediatric Urology


Reconstruction

Stones and Endourology

Honors and Awards

Congratulations to J. Kellogg Parsons, MD, who has been appointed to the C. Lowell and JoEllen Parsons Endowed Chair in Urology. Established in 2011, the endowed chair honors the work of C. Lowell Parsons, MD, Professor of Surgery Emeritus at UC San Diego. The endowed chair will support novel research and cancer treatment and prevention programs at UC San Diego Health.

George Kaplan, MD, recently retired from the Department of Urology. The Western Section American Urological Association has awarded him Distinguished Member for 2017 for his outstanding dedication and contributions to urology, and we congratulate him on this well-earned accolade. In 1969, Dr. Kaplan began his own private practice in San Diego, and in 1971 he became the first urologist west of the Mississippi River to limit his practice to pediatric urology. In that same year, he was appointed to the faculty of UC San Diego, where he served as Acting Chief of Urology in 1975–1976, Chief of Pediatric Urology from 1972–1997, and retired as Distinguished Professor of Clinical Surgery Emeritus. He participated in educating more than 150 urology residents at UC San Diego and the Naval Medical Center San Diego. With the establishment of UC San Diego’s fellowship in pediatric urology in 1987, Dr. Kaplan furthered his educational endeavors, eventually mentoring twenty-five fellows. As a scholar, he authored more than 175 peer-reviewed journal articles, ninety textbook chapters, and one textbook.

Congratulations to C. Lowell Parsons, MD, who will be awarded an American Urological Association 2017 Distinguished Contribution Award for outstanding contributions made with his work on glycosaminoglycans, a permeability barrier in the bladder epithelium, and the evaluation and treatment of patients with interstitial cystitis.
Friends of the Department

We extend our great thanks to our generous supporters who have made lifetime donations of $10,000 or more to the Department of Urology.

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*TGceased

If you would like to make a donation to the Department of Urology, please contact Julia D. Grant, director of development, at j4grant@ucsd.edu or (858) 246-1569.

Tenth Annual UC San Diego Urology Postgraduate Course

The UC San Diego School of Medicine, Department of Urology, and the Moores Cancer Center at UC San Diego invite you to attend the 10th Annual UC San Diego Urology Postgraduate Course: Update in Prostate Cancer and Urologic Diseases, which will be held September 14–16, 2017, at the San Diego Marriott Del Mar and will host a distinguished group of visiting faculty.

This course will focus on evidence-based urology in the following categories: prostate cancer, benign prostatic hyperplasia and stones, reconstruction, economics of health care, men’s health, urologic oncology, and female urology. We will include ample time for audience questions and will include discussions of challenging clinical scenarios in each category of the course.

The target audience for this course includes urologists, trainees, and allied health professionals who seek to gain a greater understanding of new and current approaches to urologic care.

COURSE DIRECTOR

Christopher J. Kane, MD
Professor and Chair of Urology
UC San Diego Health

REGISTER

For more information and to register online, visit: cme.ucsd.edu/urology.

BREAKFAST WITH CHAMPIONS

A PROSTATE CANCER FUNDRAISER

Our prostate cancer research fundraising breakfast will be held concurrently with the Postgraduate Course. Past Breakfast with Champions events featured prominent sports figures Mike Haynes, Charlie Joiner, and John Lynch. All proceeds will benefit prostate cancer research at Moores Cancer Center and UC San Diego Health.

Friday, September 15, 2017
8:00–10:00 a.m.

Left: Course Director Christopher J. Kane, MD; Right: San Diego Marriott, Del Mar, CA
Urology Faculty
Christopher J. Kane, MD, FACS
Professor and Chair
Michael E. Albo, MD, FACS
Professor and Vice Chair
Philip C. Bosch, MD
Clinical Instructor
Jill C. Buckley, MD, FACS
Associate Professor
Ithaar H. Derweesh, MD
Professor
T. Mike Hsieh, MD
Associate Professor
Christina Jamieson, PhD
Associate Professor
A. Karim Kader, MD, PhD, FRCSC
Associate Professor
C. Lowell Parsons, MD, FACS
Professor Emeritus
J. Kellogg Parsons, MD, MHS, FACS
Professor
M. Raj Rajasekaran, PhD
Associate Professor
Kyoko Sakamoto, MD
Professor
Yahir Santiago-Lastra, MD
Assistant Professor
Roger L. Sur, MD
Associate Professor
Jason Woo, MD
Assistant Professor

Pediatric Urology Faculty
Madhu Alagiri, MD
Professor
George Chiang, MD
Associate Professor
Chief of Pediatric Urology
Sarah Marietti Shepherd, MD
Assistant Professor
Kelly Swords, MD, MPH
Assistant Professor

Residents
Eric Ballon-Landa, MD
Kelly Bree, MD
Brittney Cotta, MD
Daniel Han, MD
Marc Holden, MD
Michelle McDonald, MD,
Chief Resident
Unwanaobong Nseyo, MD
Richmond Owusu, MD
Sunil Patel, MD
Omer Raheem, MD,
Chief Resident
Stephen Unterberg, MD

Fellows
Seth K. Bechis, MD
UC San Diego–Kaiser Endourology/Laparoscopy, 2016–17
Zachary A. Hamilton, MD
Society of Urologic Oncology, 2015–17
Kelly Nast, MD
Pediatric Urology, 2015–17