Grant funding at Keck School increases 43 percent over four years

By Amy E. Hamaker

Despite a stiff competitive environment for external funding and a slow-to-recover national economy, the amount of Keck School of Medicine research grant funding has greatly increased in recent years. Most notably, during fiscal year (FY) 2011, the Keck School received $248.3 million in grant awards—a 14 percent increase from FY 2010 and a 45 percent increase over the previous four fiscal years (the largest four-year increase over the past 13 years). Other recent highlights include:

• Keck School plus its affiliates received $312.2 million in grant awards during FY 2011, representing a 13 percent increase from FY 2010.
• Keck School affiliate Children’s Hospital Los Angeles received $10 million more in grant awards in FY 2011 than in FY 2010.

Recent GRANTS awards comprised 73 percent of the total grants awarded in FY 2011 or $169.1 million. This is the highest percentage of NIH versus total grants in the past seven years. “Most remarkable is the fact that we have received over and above grants awarded by the American Recovery and Reinvestment Act [ARRA] economic stimulus program,” said Elizabeth Fini, vice dean for research, Keck School of Medicine. “Such success is entirely about the expertise and efforts of our faculty. Our chairs, chiefs and institute directors have recruited a good mix of junior and senior researchers, with senior researchers bringing in grants right away. Promising junior researchers, once established, can be expected to be productive for many years.”

By Tania Chatilla

Implementation of a robust, comprehensive electronic medical record (EMR) for the USC medical center is moving full speed ahead. Since taking over responsibility for the Cerner system from Tenet Health Care Corp. in March, USC Health Sciences Information Technology (HSIT) has been busily working to expand the system into a tool that will best serve the needs of staff, physicians and patients within the USC clinical enterprise.

“We are entering an exciting time,” said Chief Information Officer Mark Amey. “With the tremendous support of USC’s entire clinical team, we are engaged in making system improvements that will support our delivery of world-class health care with world-class information services.”

Phase One of this process is to last about a year and will focus on the entire patient interaction, from scheduling to changing. The impact of work done in this phase will affect everyone involved in the patient experience, including bedside caregivers and others.

Last month, a team of 54 clinicians—including physicians, nurses and other caregivers—traveled to the Cerner headquarters in Kansas City to participate in a weeklong system review of the application. Together, the group will help determine the system’s configuration and what kind of functions it will include.

“The trip to Kansas City to work on the Cerner project was an adventure. We learned all about the features we could use in our implementation and at times were overwhelmed with the possibilities,” said nurse Jordan Holtmeier.

Chang comes from the University of Texas M. D. Anderson Cancer Center, where he has been professor of radiation oncology and director of the Central Nervous System Stereotactic Radiation Program.

“1 am confident that Dr. Chang will lead our Department of Radiation Oncology into a new era of clinical excellence, as we significantly increase the size and scope of our cancer medicine activities at USC,” Puliafito said.

Chang established the M.D. Anderson Cancer Center’s first gamma knife program and first stereotactic spine radiosurgery program. Under his leadership, both programs have been internationally recognized for their clinical excellence.
The Keck School of Medicine is a co-organizer for the upcoming World Stem Cell Summit, an international gathering of scientists, advocates, government representatives and other stakeholders involved with stem cell research.

The summit, now in its seventh year, will be held Oct. 3–5 at the Pasadena Convention Center in Pasadena, Calif.

More than 170 prominent scientists, business leaders, regulators, policymakers, advocates, economic development officers and experts in law and ethics will discuss the latest scientific discoveries, business models, legal and regulatory solutions, and best practices. The event is expected to attract more than 2,000 attendees from 25 nations, 60 exhibitors and more than 130 endorsing organizations and media partners.

“We’re excited to be part of the World Stem Cell Summit’s first meeting in Southern California,” said Keck School Dean Carmen A. Puliafito, who is also a member of the California Institute of Regenerative Medicine’s (CIRM) governing board. “Last year, when we opened the Eli and Edythe Broad CIRM Center for Regenerative Medicine and Stem Cell Research at USC, we envisioned being part of an ongoing dialogue on stem cell research that knows no borders. This is an important opportunity to be part of that conversation.”

Keck School co-chair of the event are Elizabeth Fimi, vice dean for research and professor of cell and neurobiology, and Mark Humayun, professor of ophthalmology, professor of biomedical engineering and cell and neurobiology, and associate director of research at the Doheny Retina Institute at USC.

“This event will bring us together with colleagues and with advocates and patients who are awareing the results of our research,” said Fimi. “We are excited to be part of this process in Southern California.”

EMR: Electronic records system gets updated

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remote access.

“April may seem like a long way out, but everyone involved in this project feels a sense of urgency and responsibility to get the most out of this application for USC,” said Liz Lowery, HSTI’s associate administrator for clinical applications. “Some of the most challenging work is happening now and with the involvement we’ve seen so far, we’re confident that by next April, our EMR will serve as an up-to-date, all-encompassing patient-centered record where you can place orders, document notes, view X-rays—do anything and everything vital to patient care with the click of a button.”

RANK: USC hospitals score high

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24th in orthopedics

25th in neurology and neurosurgery

32nd in pulmonology

34th in gynecology

Bringing the total to 10 specialty areas, USC University Hospital was also ranked as “high performing” in two specialty areas in the U.S. News & World Report metric area rankings for hospitals: ear, nose and throat, and nephrology.

USC Norris Cancer Hospital ranked 48th among cancer hospitals and as “high performing” in nephrology in the Metro Area rankings. Rancho Los Amigos ranked 18th in rehabilitation.

Children’s Hospital Los Angeles is the only California hospital named to the magazine’s national Honor Roll of children’s hospitals.

“We are pleased to be included among the nation’s top hospitals in this annual ranking,” said Mitch Green, CEO of USC Norris Cancer Hospital and USC Norris Cancer Hospital. “These rankings are a testament to the compassion, dedication and professionalism exhibited by our staff and faculty physicians, every day.”

This year, only 140 of the 4,825 hospitals that U.S. News evaluated performed well enough to rank in even one specialty.

“These rankings of our hospitals are a nod to the daily commitment to excellence by Keck School physicians, nurses and hospital staff,” said Keck School Dean Carmen A. Puliafito. “We’re pleased for all of our faculty honored by these rankings.”

The full list of hospital rankings and methodology is also available online at http://www.usnews.com/besthospitals.
CHANG: Sees setting high standards as key to patient care, clinical and translational research

By Amy E. Hamaker

Steve Mackey joined USC as the new executive director of the USC-affiliated Health Research Association (HRA) and the executive director for clinical research at the Keck School. He began his new position on June 28.

Founded in 1947, HRA provides clinical trial support services to the Los Angeles County-USC Medical Center. As HRA executive director, Mackey reports to Correen Rodgers, chief operating officer of the Keck School of Medicine. Mackey will work collaboratively with principal investigators and chairs, the USC Norris Comprehensive Cancer Center, the Southern California Clinical and Translational Science Institute, the Clinical Trials Unit, LAG-USC Medical Center, the USC hospitals (where many trials are conducted) and patient support services. Rodgers, said, “Our goal is to establish more transparency and accountability for the HRA organization, so clinical research at USC can expand much more effectively than it is currently. This is the result of a new approach to the way we recruit investigators and the fact that every center grant under competitive renewal has been renewed. But she notes that perhaps the most important factor is having recruited the right faculty members, driven by the availability of attractive research facilities. “We’re in the enviable position of having three new wet lab buildings and a new office research building opening soon on Soto Street,” Fini said.

Fini also cites recent success, thanks to support from Keck School Dean Carmen A. Puliafito, with individual NIH K-series career development awards that help provide research training to develop academic physicians and translate research findings to patient care and community health. In 2007, Keck School faculty received two NIH K-awards; this year Keck faculty receipt of 17 individual K-awards, in addition to six more at USC-affiliated Children’s Hospital Los Angeles.

Going forward, the school plans to “institutionalize the clinics and centers” approach to building critical mass in signature programs stemming from the school’s new strategic plan. These programs bridge USC strengths and external funding opportunities such as in AIDS research, neuroscience and cardiovascular diseases. New research grant applications for NIH center programs, project training, and team grants are being encouraged and supported, with the goal of building research cores and other shared resources.

GRANTS: Keck School boasts major funding increases

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Both of these techniques use carefully targeted radiation to treat tumors in the brain and spine with minimal impact on surrounding healthy tissue.

“Building services for cancer patients is a key priority for the cancer centers, and for the department to provide more comprehensive and specialized services to patients using some of the most advanced radiation therapy equipment. There are significant opportunities to contribute to improving how people face and respond to a diagnosis of brain cancer through patient education, and helping patients to receive the best care possible using a personalized treatment approach that will help maximize cancer control, while maintaining quality of life and minimizing symptoms related to cancer or its treatment,” he said.

Serving as chair “allows me to bring together leaders within the department to provide more comprehensive and policy and strategic planning for the University of Miami. There, he was responsible for all research-related policy matters for over $800 million in annual restricted fund expenditures across four campuses, seven schools and a variety of graduate programs.

There are several goals for HRA, including:

• Being efficient and responsive to investigators and pharmaceutical companies, helping to promote clinical research on the USC Health Sciences Campus and to grow the number of clinical trials available to patients.

• Surveying all HRA activities so that investigators can help with the assessment process.

• Organizing a Physician Advisory Group to help outline HRA goals and objectives.

• Creating the role of HRA principal investigator and principal investigator to assist Mackey in improving the environment for research within USC.

Mackey’s immediate goals revolve around improved customer service. “HRA is currently piloting a project to study the feasibility of achieving study startup in 60 days, down from the current time of four to six years.

“We have an outstanding, diverse patient population, really good doctors, and great name recognition and facilities,” said Mackey. “If we can reduce the time of proposal and startup times right, we’ll become even more attractive to industry research.”

J. Terrence Lanni, longtime Keck School of Medicine supporter, 68

By Pauline Vu

J. Terrence Lanni, a USC alumnus and member of the Keck School of Medicine’s Board of Overseers, passed away on July 14 after a two-year battle with cancer. He was 68.

Lanni was one of the world’s most respected hotel executives. During his 13-year tenure as chairman and CEO of the company that began as MGM Grand, he took a one-casino company and turned it into one of the largest casino operators in the world. The company was later renamed MGM Mirage and now is known as MGM Resorts International.

He had been a member of the Board of Overseers since its inception in 1999. Lanni was also a generous philanthropic supporter of the Keck School, Dean Carmen A. Puliafito said in a letter to other members of the board.

“I watched him battle cancer with great courage over the past two years. He was a good friend who will be sorely missed,” Puliafito said.

Lanni graduated from USC with a bachelor’s degree in business in 1965. He served on the Marshall School of Business’ Board of Leaders and was named the school’s Alumnus of the Year in 1992.

After his graduation, Lanni served as treasurer for Republic Col during its inception in 1967. He entered the gaming industry, joining Caesars World as treasurer and chief financial officer. He eventually became the company’s president and chief operating officer, before leaving in 1995 to head MGM Grand. He retired in 2008.

In the gaming industry, Lanni was known for his integrity and for establishing the first formal diversity and inclusion program in the industry.

Lanni garnered numerous accolades throughout his career. He was inducted into the Gaming Hall of Fame in 2000, received Casino Journal’s Lifetime Achievement Award in 2001, and was a finalist for MarketWatch’s CEO of the Year in 2007.

In a statement, Lanni’s family said his death was peaceful. “So many shared with us stories of the ways in which Terry touched their lives. He was a very humble man and would have felt all the attention embarrassing,” the statement said. “None-theless, we are all proud of the positive impact he had on so many people’s lives and will forever seek ways in which to honor his memory.”

A memorial service was held July 22 in South Pasadena, and another is planned for August in Los Angeles.

Lanni was born in Los Angeles in 1943. He is survived by his wife, Debbie, and sons, Sean and Patrick. The family has requested that donations be made to the Lanni Family Cancer Research Fund, under the direction of Heinz-Josef Lenz, professor of medicine and preventive medicine at the Keck School and the USC Norris Comprehensive Cancer Center. Memorial contributions may be made online at http://keck.usc.edu/TerrenceLanni or sent to the USC Norris Comprehensive Cancer Center Development Office, Attn: Carmy Peters, 1441 Eastlake Ave, NO 8500, Los Angeles, CA 90033.

A native of New York, Lanni graduated from USC with a bachelor’s degree in business in 1965. He served on the Marshall School of Business’ Board of Leaders and was named the school’s Alumnus of the Year in 1992. After his graduation, Lanni served as treasurer for Republic Col looking at neurocognition and the respective roles of radiosurgery and whole-brain irradiation in the management of brain metastases. At USC, he will continue this type of research, especially with the recent establishment of a neuro-oncology program specializing in the treatment of patients with brain tumors. He also expects to expand his research interests to support the growth and academic career development of the radiation oncology faculty.

A native of New York, City, Chang received a bachelor’s degree from the Massachusetts Institute of Technology. He graduated from Harvard Medical School and completed his residency at the Harvard Joint Center for Radiation Therapy and internship at the California Pacific Medical Center, San Francisco. He was a research fellow at Boston Children’s Hospital and received post-graduate training in gamma knife utilize at Hospital in Sweden and at the Cleveland Clinic.

He is an author or co-author of more than 150 peer-reviewed journal articles, book chapters.

Chang’s appointment follows an eight-month search led by search committee chair Stephen Sener, professor of clinical surgery and chief of the division of surgical oncology at the Keck School of Medicine.
CIRM CHAIR GETS OVERVIEW OF USC STEM CELL RESEARCH—Jonathan Thomas (left), the new chairman of the California Institute for Regenerative Medicine (CIRM), listens as Krzysztof Kobielak, assistant professor of pathology at the Keck School of Medicine, explains his recent stem cell research findings. Thomas paid a visit on July 7 to several researchers’ labs at the Eli and Edythe Broad CIRM Center for Regenerative Medicine and Stem Cell Research at USC. Thomas and Henry Sucov, interim director for the center, viewed multimedia presentations on ongoing work. Thomas asked many questions, wanting to know the stage of current research, how that research might eventually be integrated into human treatments and therapies, and what the researchers needed to continue their work.

Calendar of Events

This Calendar of Events is also online at www.usc.edu/hscalendar for the Health Sciences Campus community

Monday, Aug. 1 – Friday, Aug. 5
5 a.m. – 11 a.m. "INTD 500: Responsible Conduct of Research (RCR)," Various speakers. KAM 400 or 500. Info: (323) 262-0160.

Tuesday, Aug. 2
11 a.m. ZNI Seminar “Genetic Analysis of Complex Behavioral Traits,” Kirk Wilkinson, Univ. of North Carolina ZNI 112. Info: (323) 442-2144.

Thursday, Sept. 22

Wednesday, Sept. 21, and Thursday, Sept. 22
7:30 a.m. – 4 p.m. USC Hospital Annual Pain Management Symposium. Various speakers. NRT, Aresty Auditorium. Info: (323) 442-9660.

Thursday, Sept. 29
Save the date of Sept. 29 for the Ming Ho Tsai Institute for Engineering Medicine for Cancer Symposium, to be held in the Aresty Auditorium. The symposium will address opportunities for translation research in nanomedicine and include both industry and academic participants. President Niihawa will deliver the welcoming address at the symposium. Suggestions for speakers are appreciated. Please send these to vpres@usc.edu. Details on how to RSVP will be provided in August.

By Imelda Valenzuela

The Keck School of Medicine and Santa Barbara Cottage Hospital celebrated their 32-year-old partnership with a reception hosted by Keck School Dean Carmen A. Puliafito at the Four Seasons Resort The Biltmore Santa Barbara. Since 1979, Cottage Hospital has served as a pediatrics, psychiatry, obstetrics and gynecology, and internal medicine rotation site for the Keck School of Medicine.

More than 65 guests attended the reception including Executive Vice President and Chief Operating Officer of Cottage Health Systems Steven Fellows, other administrators and faculty from the Keck School and Cottage Health Systems, friends and alumni of USC, and several Santa Barbara community members.

“We are thrilled that this community and the commitment of the Cottage Health System to medical education and the environment it provides to promote learning is wonderful for our medical students and for the community at large,” Andrew Gersoff, program director for the internal medicine residency program at Cottage Hospital, commented further about the partnership. “It’s a pleasure and an honor to be able to teach and mentor USC medical students,” he said. “The trust that you’ve shown us to have your students come here is the best honor you could give to all of us.” Gersoff talked about the expansion of the program, which will soon allow medical students to do surgery and radiology rotations.

Keck School celebrates hospital partnership

Visit the USC Web: http://emergency.usc.edu This page will be activated in case of an emergency. Backup Web servers on the East Coast will function if the USC servers are incapacitated.

THE WEEKLY: Online Extras

Read more HSC news online:

• USC wins top prizes at academy of managed care pharmacy annual meeting http://tinyurl.com/3g6v2wea

• Keck School researcher co-authors cancer study showing 79 percent increased survival using surveillance protocol http://tinyurl.com/3eaeu2ab

• Leslie A. Saxon named keynote speaker for LifeScience Alley Conference & Expo http://tinyurl.com/3gb6e1tg

• USC researchers find new clues about protein linked to Parkinson’s disease http://tinyurl.com/3kxu62x

• USC researcher finds evidence lacking for effectiveness of memantine treatment of mild Alzheimer disease http://tinyurl.com/3xu26kx

• Keck School researchers define critical role of blood vessels in lung development http://tinyurl.com/3gq4to

In case of an emergency...

Call the Emergency Information Phone: (213) 740-9233 The emergency telephone system can handle 1,400 simultaneous calls. It also has a backup system on the East Coast.

Visit the USC Web: http://emergency.usc.edu This page will be activated in case of an emergency. Backup Web servers on the East Coast will function if the USC servers are incapacitated.