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National Institutes of Health approve \$6.08 million grant to develop new LLUH research center

By Herbert Atienza

The National Institutes of Health (NIH) has awarded Loma Linda University Health (LLUH) a \$6.08 million grant to develop a center for brain hemorrhage research.

The NIH Program Project Grant, or PPG, which differs from typical grants because of its size, will fund the creation of the Loma Linda University Center for Brain Hemorrhage Research.

"We are very honored to receive this grant from NIH, which will allow us to establish the Center for Brain Hemorrhage Research at LLUH," says John H. Zhang, MD, PhD, professor of neurosurgery and physiology at Loma Linda University School of Medicine and principal investigator for the new center.

"A PPG is a major grant awarded by the NIH to support a group of scientists at one university studying a singular subject," Zhang explains. "These grants are normally awarded to establish an NIH Center at a respected research institute, and we are very proud and honored to have been selected."

Roger Hadley, MD, dean of Loma Linda University School of Medicine, says establishing the center solidifies LLUH's growing role as a national player in developing cutting-edge medical research.

"We are excited to have been entrusted with developing this very impor-

tant research center," offers Hadley, "and we are very confident that, under Dr. Zhang's leadership, new discoveries and breakthroughs will soon be on the way that would lead to better understanding and treatment of brain hemorrhage."

It's the second time for LLUH to receive a PPG. The first similar award was given 19 years ago, allowing Lawrence D. Longo, MD, distinguished professor of physiology, gynecology and obstetrics, Loma Linda University School of Medicine, to start the Loma Linda University Center for Perinatal Biology.

Zhang's proposal called for three projects that will study three different types of strokes and brain injuries: subarachnoid hemorrhage, intra-cerebral hemorrhage, and traumatic hemorrhagic brain injury.

Zhang will serve as principal investigator the subarachnoid hemorrhage study; Jiping Tang, MD, professor of basic sciences at Loma Linda University School of Medicine, will be the principal investigator for the intra-cerebral hemorrhage study; and Jerome Badaut, PhD, assistant professor of pediatrics, and Andre Obenaus, PhD, associate professor of biochemistry and pediatrics, will be co-principal investigators for the traumatic hemorrhagic brain injury study.

In addition to the three projects, there are three scientific cores besides the administrative core headed by Zhang. One is focused



John Zhang, MD, PhD (second from left), is pictured above with his Loma Linda University translational neuroscience group collaborators, from left to right: Jiping Tang, MD; William Pearce, PhD; Richard Hartman, PhD; John Buchholz, PhD; and Andre Obenaus, PhD.

on imaging, headed by Obenaus; a second focused on behavior, headed by Richard Hartman, PhD; and a third focused on vascular biology, headed by William Pearce, PhD, and John Buchholz, PhD.

"There are only 10 or 15 NIH PPG centers on stroke, and we are the first and only one in the entire U.S. to study brain hemorrhage," points out Zhang, who arrived at LLUH in 2004 and has since led a number of NIH-funded projects and authored hundreds of

scientific papers on behalf of the institution.

He also shares that he is especially keen on studying the role that ethnicity plays in the demographics of stroke.

"For some reason, the Chinese don't get vasospasm after subarachnoid hemorrhage," he notes. "I don't know why—maybe it's genetic. The two groups of people who get it the most are the Japanese and the Finns. People from Japan and Finland get it several times more often than any other nation."

Remembering philanthropist Sir Run Run Shaw, whose gift made possible a hospital named for him in his hometown

By Nancy Yuen and James Ponder

On January 7, 2014, Sir Run Run Shaw passed away at 106. Though global media reports that ran the day after his death trumpeted his work and legacy as a movie pioneer who, with his brother, brought Kung Fu to the big screen, Loma Linda University Health (LLUH), and the Seventh-day Adventist Church remember him in his passing as a philan-

thropist and humanitarian in the world of health care.

It is because of his benevolence that Sir Run Run Shaw Hospital was envisioned and constructed, opening in 1994 in the Zhejiang Province in the People's Republic of China. The hospital transformed the delivery of health care in what was then a very poor community.

"From a childhood memory and appreciation for quality medical care nearly 100

years ago to a modern hospital today, the connection between Loma Linda and Sir Run Run Shaw is legendary," says Richard H. Hart, MD, president of LLUH. "Loma Linda University Health is pleased to have partnered with the Shaw Foundation to develop a superb western-style hospital in Sir Run Run Shaw's hometown. With China's current rapid development, we expect this model to continue to impact the entire country for years to come."

Sir Run Run Shaw, a Hong Kong film magnate who dreamed of building a Western-style hospital in his native country of China, provided partial funding to the Zhejiang Provincial Government for the construction of a hospital in its capital of Hangzhou in the early 1990s. His only request was that he wanted to partner with the Seventh-day Adventist Church in operating the hospital.

Years earlier, Sir Run Run Shaw's mother had received treatment from Harry Miller, MD, an Adventist physician, at a progressive hospital in China. He was impressed by the compassionate, whole-person care provided to all echelons of society, from government officials to day laborers. As a result, he vowed to one day bring a similar level of care to his own community.

"He never forgot the excellent care his mother had received from Dr. Miller," says Joan Coggin, MD, MPH, former vice president for global outreach, Loma Linda University Adventist Health Sciences Center.

When Sir Run Run Shaw initiated plans to build a hospital, he asked the Seventh-day Adventist Church and Loma Linda University and Medical Center to become involved.

Says W. Augustus Cheatham, MPH, emeritus vice president for public affairs, LLUAHSC, "I was saddened to hear that Sir Run Run Shaw, one of China's respected businesspersons and philanthropists, had passed away. I, along with Drs. David Moorhead, Gordon Hadley, and Joan Coggin, had the pleasure of visiting with him. It was notable to see that his interest was on improving the health care in his home country where the population was expanding so rapidly. His contribution that resulted in the construction of Sir Run Run Shaw Hospital was unique and unparalleled. Our prayers are with Sir Run Run Shaw's family."

The ribbon-cutting for Sir Run Run Shaw Hospital was held May 9, 1994. In its early days, the 400-bed hospital provided Western-style services in all of the medical

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On May 9, 1994, Sir Run Run Shaw cuts the ribbon signifying the official opening of the new hospital he was instrumental in developing. Sir Run Run Shaw Hospital is located in Hangzhou, People's Republic of China.

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Loma Linda University Health announces changes in leadership

By Larry Kidder

Five individuals have been named to new or existing leadership posts at Loma Linda University Health (LLUH), and one has announced his departure. Ravi Mandapati, MD, recently began his new role as director of the Loma Linda University International Heart Institute. Peter Baker, JD, MBA, began his service to Loma Linda University Health System as vice president for business development. Both started in December 2013.

At the beginning of January, Daniel Fontoura, MBA, took on a leadership role in the areas of wellness and disease prevention for all LLUH enterprises. Richard Rajaratnam, MD, began his duties in December, heading the LLUH office of clinical transformation. His official title is yet to be finalized.

Carolyn Hamilton has been named vice president for philanthropy and began her new role on January 1. Zareh Sarrafian recently announced his departure from LLU Children's Hospital, effective January 10.

For more than a decade, Ravi Mandapati, MD, served as director of pediatric cardiac electrophysiology at Loma Linda University Medical Center. He is professor of pediatrics (cardiology) for LLU School of Medicine. Widely published, his research focuses on mapping the mechanisms of atrial fibrillation and arrhythmias in patients with congenital cardiac disease.

Mandapati is a fellow of the Heart Rhythm Society, as well as a professor of medicine and co-director of the University of California, Los Angeles Cardiac Arrhythmia Center. He completed fellowships in pediatric cardiology and electrophysiology at the State University of New York, Syracuse and Harvard University respectively.

"Dr. Mandapati brings a wealth of experience and leadership skills to the International Heart Institute," says Mark Reeves, MD, PhD, vice president of institutes for LLUH.

According to colleagues, that includes a passion for high-quality cardiac care and a demonstrated track record of consensus-building. He succeeds Ranae Larsen, MD, as director. During Larsen's four-year tenure as director, the institute took significant strides toward consolidating clinical services and expanding its regional footprint.

As new vice president for business development for Loma Linda University Health System, Peter Baker, JD, MBA, is working to create a health care network of physicians and hospitals in Riverside and San Bernardino to assist LLUH in implementing population health management.

Previously vice president for business development at Glendale Adventist Medical Center, he served on a team that helped to launch Loma Linda University Medical Center—Murrieta.

Steven Mohr, MBA, chief financial officer for LLUMC, attests, "Peter brings an openness to learn more about our organization, a focus on mission that links directly with LLUH, and a knowledge base that will cross-pollinate our understanding of



Ravi Mandapati, MD



Peter Baker, JD, MBA



Daniel Fontoura, MBA



Richard Rajaratnam, MD

the market and business development tools with what he has learned during his time with Adventist Health."

As the health care climate in the U.S. shifts toward disease prevention, Daniel Fontoura, MBA, currently senior vice president at LLUMC, has been tasked with the new role of vice president for wellness and chief wellness officer for Loma Linda University Health, bringing together thought leaders across the LLUH enterprise and creating a unified message and brand of wellness and disease prevention.

"There is a great legacy and widespread passion surrounding health and wellness on our campus," Fontoura points out. "My role will be in helping LLUH develop strategic clarity around the unique and multi-dimensional wellness expertise that exists across LLUH, facilitating the packaging of that know-how, and making it accessible to a community and a world desperately in need of whole-person health and wellness."

Fontoura believes that LLUH has all of the pieces of wellness and disease prevention. "Now it's time to put the puzzle together," he suggests.

His new role of leading enterprise-wide health and wellness efforts has already resulted in many meetings with thought leaders in the health, wellness, and disease prevention domains. "I'm finding an incredible wealth of ideas, energy, and support for system-wide coordination of resources to expand the reach and impact of LLUH," he observes.

Richard Rajaratnam, MD, now leads the clinical transformation efforts for LLUH. In this new role, he will help to integrate health care delivery across all LLUH entities in terms of quality, service, access, and affordability.

Rajaratnam most recently served as medical director of Kaiser Permanente, Riverside, as well as the Southern California Permanente Medical Group (SCPMG). In that role, he managed the entire service area of Riverside County. Prior to that, he chaired the departments of otolaryngology and head and neck surgery for Kaiser Permanente, Riverside, and SCPMG.

Carolyn Hamilton recently joined the LLUH department of advancement as vice president for philanthropy. In this new leadership role, she will be responsible for providing leadership to the capital campaign team and managing principal gift relationships.

Hamilton is founding partner of The

Hamilton Company—a consulting firm that, for the past 25 years, has served a variety of non-profit organizations, providing fundraising counsel and leadership development for community organizations, as well as education, health care, and worldwide ministries.

Not new to Loma Linda University Health, Hamilton began her career in Loma Linda following graduation from Pacific Union College, working in both philanthropy and public relations.

While in the Loma Linda area, she and her husband founded Inland Temporary Homes, which continues to serve homeless families in the Inland Empire.

Hamilton is a certified fundraising professional (CFRE) and an active volunteer and advocate in the non-profit arena, frequently presenting at national and international conferences. She has published numerous articles about philanthropy.

Zareh Sarrafian, MBA, announced his decision to leave Loma Linda University Health, effective January 10.

Over a span of 20 years at the institution, Sarrafian has held a number of key leadership positions, including recent roles as administrator of Loma Linda University Children's Hospital and chief administrative officer for Loma Linda University Medical Center.

During that time, he has led in a variety of key initiatives to improve both the



Carolyn Hamilton



Zareh Sarrafian, MBA

operational and financial health of the organization. He has also served as the driving force for organizing LLU Children's Hospital Foundation and the Big Hearts for Little Hearts Guilds.

Ruthita Fike, MA, chief executive officer for Loma Linda University Medical Center, will assume interim leadership of the Children's Hospital, working closely with physician leadership and the administrative team.

"On behalf of the entire organization," Fike notes, "I would like to express my deepest gratitude to Zareh for his unwavering commitment to serving God through his work at Loma Linda."

She adds, "For years to come, LLUH will benefit from his contributions and countless hours of steadfast service. We wish him well in his future endeavors."

Richard Hart, MD, DrPH, president of Loma Linda University Health, adds, "Zareh's leadership and deep, personal commitment to Loma Linda on behalf of the children in the Inland Empire have truly made a lasting difference in many lives."

Remembering philanthropist Sir Run Run Shaw ...

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The hospital was awarded Joint Commission International Accreditation in December 2006. The first facility in China to achieve this level of recognition and success, it subsequently earned reaccreditation in 2009 and 2013. Today the 1,200-bed tertiary care hospital treats more than 6,000 patients per day.

Jan Zumwalt, MBA, MS, associate director, Global Health Institute and executive director for international affairs, LLUMC, was on-site at Sir Run Run Shaw Hospital when its namesake visited. She recalls, "He didn't desire fanfare or attention. He had been born in the province where the hospital is located; the area was very poor at the time the hospital was built."

She continues, "He visited several departments and when asked if he wanted to visit an outpatient clinic he said, 'Yes, I want to see more.'" Zumwalt remembers his deep interest in the facility that would not have existed had it not been for his vision, and for his financial support.

"It was so important to him that the people of Hangzhou benefit from the best in health care including education, modern equipment and facilities. He was impressed," she says, "at what he experienced during his visit." At a celebration marking the Sir Run Run Shaw Hospital's 10th anniversary, Zumwalt recalls a colleague describing the facility's importance to Sir Run Run Shaw, stating that of the many philanthropic projects he had supported, this hospital brought him the most satisfaction.

Sir Run Run Shaw made his fortune by selling martial arts movies through Shaw Brothers film studio. In later life, he earned widespread respect as a philanthropist. In 2002 he created the Shaw Prize, which is recognized as the Nobel Prize of Asia. In 1977, Queen Elizabeth II knighted him for his long-standing support of the Red Cross.

In addition to the hospital, Sir Run Run Shaw generously provided hundreds of millions of dollars in philanthropic support to projects in Asia, Britain, and the United States. He is survived by his wife, Mona Fong, and four children.



SPH alumna awarded \$1 million Opus Prize

By Heather Reifsnnyder

School of Public Health alumna Sakena Yacoobi, MPH, has received the \$1-million Opus Prize for 2013 from Georgetown University's Berkley Center for Religion, Peace & World Affairs.

It will fund her work with the Afghan Institute of Learning, the nonprofit she founded in 1995 to promote education and health services for women and children in war-torn Afghanistan.

The Opus Prize is a faith-based humanitarian award to help recipients of any spiritual tradition fight against persistent and pressing social issues.

Yacoobi earned a master of public health degree from Loma Linda University in 1988. Twenty years later, Loma Linda University named her doctor of humanitarian service in 2008.

Richard Hart, MD, DrPH, president of Loma Linda University Health, recently reflected on an encounter with Yacoobi in his newsletter. The passage gives a glimpse into one small part of what her organization does:

"During one of my visits to Kabul a few years ago, I decided to find Sakena. We finally got her phone number and established

contact. She insisted on a visit, so we drove to her compound in a residential area of Kabul. It was great to talk again and see the impact she was already having in the country, particularly in education. As I was preparing to leave, she insisted I visit her School of Nursing. I agreed after she said it was located right there, in her compound. We walked out into the Afghan winter, with snow on the ground. Near the front gate, she turned to a shipping container with sheets of plastic hanging across the door. She pulled the plastic aside, and there inside sat 24 young Afghan women studying nursing in a shipping container with no heat and only a blackboard up front. With tears in my eyes, I vowed to never again complain about lack of resources."



Sakena Yacoobi, MPH, left, is winner of the Opus Prize.

Pediatric RN residency program reaches milestone

By Heather Reifsnnyder

Loma Linda University Children's Hospital's registered nurse residency program graduated its 25th cohort of pediatric nurses on December 9, 2013. Over the course of the years since the first

cohort finished in February 2002, the residency has graduated 732 pediatric nurses.

Graduates of the program have advanced skills that allow them to treat the sickest of the sick children, such as the young patients who rely on a large academic medical facility like LLU Children's Hospital.

"The RN residency gives new nurses a strong foundation in clinical practice, setting the stage for them to have a successful long-term nursing career," says Brittany Zumwalt, educator for the RN residency.

"It also provides careful and confident pediatric nurses who respect and live out Loma Linda University Health's mission, vision, and values," Zumwalt says.

The residency offers specialty training beyond what is covered in many academic programs. Oftentimes, nursing school only offers experience with children who suffer with traditional childhood illnesses and injuries, such as broken bones and tonsillectomies.

Nurses at LLU Children's Hospital, on the other hand, care for the sickest children, sometimes dealing with conditions that have yet to appear in the textbooks.

The RN residency is a paid, 16-week program offered two times a year. During this time, the residents are provided in-depth clinical experience. They are partnered with experienced RN preceptors who provide direction and supervision in patient care. Additional classroom activities and lectures expand the knowledge of pediatric nursing, reinforce nursing skills, and introduce new nurses to the multidisciplinary team that makes up Loma Linda University Children's Hospital.

The RN residency dedicates nearly 75 percent of the program to precepted clinical experience. Classroom and skills lab education compose the remaining 25 percent. RN residents also have the benefit of working with caring and dedicated RN mentors who serve as their resource for career development and play a critical role in smoothing the transition from new graduate to professional nurse. Debriefing groups, led by experienced and trained facilitators, are also built into the program to provide the RN resident a confidential and supportive environment to express concerns, receive

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The 25th cohort of the LLUCH pediatric RN residency program

School of Nursing professor honored with International Award for Nursing Excellence

Contributed report

Sigma Theta Tau International presented Jan Nick, PhD, with its Daniel J. Pesut Spirit of Renewal International Award for Nursing Excellence during its 42nd Biennial Convention in Indianapolis, held November 16–20. Sigma Theta Tau is the honor society of nursing.

“I feel so honored,” says Nick, associate professor of nursing at LLU. “The award is only given to one person every two years.”

Sigma Theta Tau gives the award to a

nurse leader whose efforts to renew self and others exemplify purposeful reflection in practice and an understanding of human relationships, while also displaying a futuristic vision for nursing.

Nick, who has taught at Loma Linda University School of Nursing since 1997, emulates these qualities in her personal and professional relationships, according to her colleagues such as Eva Miller, DNSc, associate professor emeritus and archivist for the school’s Gamma Alpha chapter of Sigma Theta Tau. Dr. Miller made this comment

shortly before her death on November 29, 2013, after many years of valued service to the School of Nursing.

“Dr. Nick meets the criteria superbly and is an exceptional educator and nurse leader,” Miller said of the award. “Congratulations to her.”

Professionally, Nick’s vision for the growth of nursing has led her to advocate

for the Open Access movement, which aims to provide global access to scientific and scholarly literature.

While serving as a Fulbright Scholar in Paraguay, she experienced firsthand the limited resources for nurses in developing countries.

She makes presentations to nursing colleagues on using Open Access resources, and she recently spoke at a national meeting of the American Association of Colleges of Nursing on this topic and how it can benefit the science of nursing around the world.

Allied Health class of 2014 feted at hoodie ceremony

By Heather Reifsnnyder

The School of Allied Health Professions carried on a new tradition established last year with its second annual hoodie ceremony held December 3 for the upcoming class of 2014, which comprises more than 500 students from the school’s 50-plus programs.

Playing upon the tradition of hooding ceremonies held by some academic

disciplines, the hoodie celebration brings students, faculty, and staff of the whole school together in shared accomplishment before many of the students begin their clinical rotations off campus—and gives them all something warm to wear for winter.

Craig Jackson, JD, MSW, dean of the school, and Joshua Cacho, DPT, a recent graduate of the physical therapy program, delivered remarks.



Jan Nick, PhD (right), receives her award at the 42nd Biennial Convention of Sigma Theta Tau International. With her are Suzanne Prevost, PhD, president of Sigma Theta Tau International, and Daniel J. Pesut, PhD, past president from 2003–2005.



Loma Linda University School of Allied Health Professions class of 2014

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New Nichol Hall rotunda to be unveiled on February 19 ...

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painted dark brown to accent shape and original design.

Other details include new furnishing in a decorative style that blends art deco and mission in a nod to the period of original construction, surrounded by historical photographs.

Four hallways originate in the rotunda that take walkers to different wings of the building. Architects designed arched doorways with clear-glass doors to complete the look.

The architects also went to great lengths to restore the wrought-ironwork front door and refurbished the main restrooms to match the rotunda.



The deans of the two schools that call Nichol Hall home—Dr. Tricia Pennicook, School of Public Health, and Dr. Craig Jackson, School of Allied Health Professions—spoke during the ceremony.

Pediatric RN residency program reaches milestone ...

Continued from page 3

guidance, and develop practical tools/skills related to emotionally laden situations in the clinical setting.

At the completion of the RN residency, graduates are qualified to work as full-time, independent, professional staff nurses at Loma Linda University Children's Hospital.

The next cohort of RN residents will begin their training in March. Applications will be accepted in April for the cohort beginning in August 2014.

More information about the program is available at <http://bit.ly/1efFbFV> or by calling the Children's Hospital RN residency program at (909) 558-7311.

A new era of health care: serving the community through education and outreach

Contributed report

In March 2010, President Obama signed into law the Patient Protection and Affordable Care Act (PPACA).

Significantly overhauling the U.S. health care system, the PPACA aims to provide individuals and families with better access to health care, more affordable care, greater transparency and protection from

insurance company abuses, improved Medicare coverage for seniors, and new tools to help health care providers improve patient care and lower costs.

The Act includes various measures for its implementation, one of which is the health insurance exchanges.

These "exchanges" serve as virtual state-run, one-stop marketplaces for people to learn about, compare, and purchase health insurance with federally funded premium assistance for those who are eligible.

California, the first state to enact the legislation to implement provisions of the federal program, is also one of 14 states (plus Washington, D.C.) to opt out of the federally run insurance marketplace.

Statewide, more than 5.3 million Californians who were previously uninsured or on their own for insurance purchase are now eligible for subsidized health coverage through the state-run insurance marketplace called Covered California.

The February 19 open house will show all this off, but the event is not just about the building. It is about all the people who have lived out part of their lives there.

In order to incorporate stories and details about them and their time in Nichol Hall, event organizers would love to hear from people born there or who worked there.

The whole campus is invited, with special invitations extended to people born in Nichol Hall, all past deans of public health and allied health, current Nichol Hall employees, and the Loma Linda University Health councilors.

Physical therapy professor honored by Brazilian university

By Heather Reifsnnyder

For seven years Tony Valenzuela, DPT, EdD, has helped the physical therapy bachelor's degree program thrive at Faculdade Adventista da Bahia in northeastern Brazil. Starting in 2007, Valenzuela—whose LLU title is assistant professor, department of physical therapy, LLU School of Allied Health Professions—began teaching courses for the Brazilian program and helped structure its clinical grading system.

To thank him for his involvement over the years, Faculdade Adventista da Bahia named Valenzuela an honorary faculty member in October 2013.

Traveling to the university annually, Valenzuela has taught courses in vestibular rehabilitation, geriatrics, differential diagnosis, acute care, home health, and even canine rehabilitation.

He also gave the keynote speech at the program's 2010 graduation ceremony.

Other physical therapy faculty members and instructors from the School of Allied

For more information or to share memories of Nichol Hall, please contact Kent Chow at kchow@llu.edu or (909) 558-4973.

On December 11, officials held a ribbon-cutting ceremony to kick off the celebrations for the new rotunda. Board members and administrators attended the ceremony, during which remarks were given by Tricia Pennicook, MD, MPH, dean of the School of Public Health; Craig Jackson, JD, MSW, dean of the School of Allied Health Professions; and Richard Hart, MD, DrPH, president of Loma Linda University Health.



Tony Valenzuela, DPT, EdD (center), received a plaque naming him an honorary faculty member of Faculdade Adventista da Bahia, as well as a Portuguese Bible and faculty pin. Administering the honors were university president Pastor Juan Choque (left) and church senior pastor Nelson Milanelle (right).

region, LLUH is working with local clinics and hospitals, faith communities, community benefit departments, and the Healthy Cities collaborative to ensure system-wide partnerships within the community.

Additionally, LLUH has taken an innovative approach in educating the region's health care providers on how the new law and its outcomes impact their practice and their patients.

Led by IHPL, key education sessions titled Spotlights on Reform are being conducted to increase provider awareness about this issue.

According to IHPL's associate director Dora Barilla, DrPh, "In addition to providing information at events such as community events and 5Ks, health care providers in San Bernardino and Riverside are being educated regarding the changes and implications to their patients and their practices.

Nurses, physical therapists, and others who work with patients are providing information to help them learn about and access Covered California."

Relationships with patients and providers are a critical aspect in providing quality care. Each time a health care provider interacts with a patient, it provides an additional opportunity to answer consumer questions about coverage.

As the clock ticks toward the March 31 deadline for enrollment through Covered California, IHPL, LLUH, and other members of the education and outreach team will continue to devote time and energy to reaching as many patients and providers in the Inland Empire as possible.


"We know there will be many challenges that will accompany this historic overhaul of the health system," says Dr. Winslow, "and we are prepared to help the Inland Empire transition while working to provide access to quality affordable health care."

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The Highly Anticipated Sequel to the 2009 Devotional Book Morning Rounds

Review of Lawrence D. Longo's book, *The Rise of Fetal and Neonatal Physiology: Basic Science to Clinical Care*

By James Ponder

One of the world's foremost authorities on fetal and neonatal physiology has written the definitive history of his profession.

Lawrence D. Longo, MD, founder and director emeritus of the Center for Perinatal Biology at Loma Linda University School of Medicine, took 10 years to write *The Rise of Fetal and Neonatal Physiology: Basic Science to Clinical Care* on weekends, evenings, and holidays. Springer, an international publisher in science, technology, and medicine, released the volume under the imprint of the American Physiological Society.

John R.G. Challis, PhD, DSc, a prominent physiologist and professor at three Canadian universities and another in Australia, wrote the foreword.

The 530-page treatise includes two comprehensive indices and an extensive bibliography of more than 2,000 references. Much of the treatise focuses on the life and contributions of pioneering Oxford University pharmacologist-physiologist, the late Geoffrey S. Dawes, MD.

Longo's motivation for writing this series of more than 20 essays, he shares, stemmed from the importance of the field and a dearth of literature on the subject.

"As an investigator with more than a passing interest in the history of biomedical science, and presently, one of the few people who knew almost all of the major figures in the field during the latter half of the 20th century, I believe that it was incumbent on me to do so," he asserts.

Compared to other "hot topics" in neuroscience and molecular biology, Longo sees developmental physiology as a rather neglected area of research. "Many consider it too 19th century," he explains. "I would argue, however, that this is not the case."

Aside from a better understanding of basic physiologic mechanisms, Longo says his field's greatest contributions are a series of monumental discoveries that have led to great improvements in the care of pregnant mothers, their fetuses, and newborn infants.

He could easily buttress that last claim by pointing to the countless thousands of individuals alive today because of the groundbreaking discoveries emanating from his own research at Loma Linda University during the 50-plus years of his very productive career, but that would contradict his nature.

Instead, he couches his personal interest in the field as merely that of an insider

with a broad perspective and access to bibliographic resources.

During his four-decade tenure at the center he founded, Longo has overseen the professional development of more than 200 postdoctoral fellows as well as numerous visiting scientists and scholars from Europe, Asia, South America, and the U. S.

While noting that he wrote primarily for an audience of perinatologists, neonatologists, and physiologists, Longo also sought to make it interesting to lay readers. "I tried to give it something other than just a hard-core science context," he shares.

To keep the book closer to fact than fantasy, he didn't paint his subjects as invincible heroes of science, but as real researchers who sometimes had their contributions discounted and their papers rejected for publication.

At the beginning of the first chapter, a poignant quote from Sir Cyril Norman Hinshelwood, DSc, lays a solid ideological framework for everything that follows:

"Science is not the dry syllogistic handling of obvious facts," Sir Cyril observes. "It is an imaginative adventure of the mind seeking truth in a world of mystery."

In extending the observation, Longo places his subject within the larger discourse of science and naturalistic philosophy in the following pivotal paragraph:

Midway between the extremes of the infinitesimally expansive cosmos to that of the infinitesimally minute sub-nuclear particle, is the human being, *Homo sapiens*, that sentient creature that observes, contemplates, and wonders. As the study of vital life processes and functions, the discipline of physiology (from the Greek *physis* "nature" and *logia* "the word" or "study of") lies at the core of an integrated understanding of biological function.

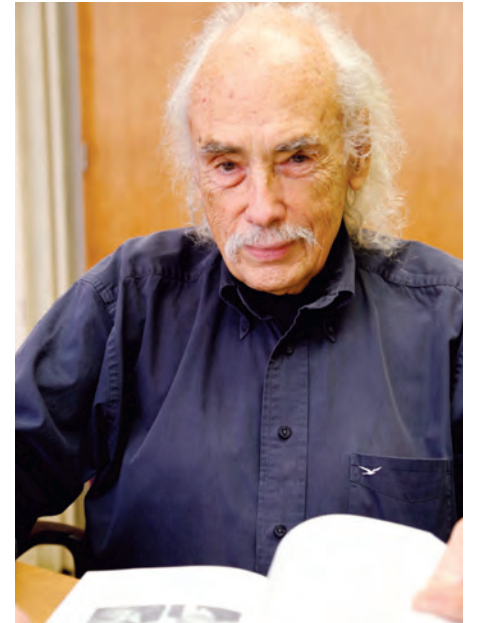
Writing with elegance, Longo introduces wide-ranging treasures of poetry, philosophy, and literature into the text as well as colorful stories of the countless researchers and clinicians who labored to improve health outcomes for mothers and children during their science's infancy and childhood.

At several points in the book, readers may get the impression that Longo himself is the proverbial elephant in the room. Despite his reputation as a top-flight researcher, venerated educator, and beloved mentor to hundreds of today's brightest luminaries in many fields,

Longo—who has served as advisor to the World Health Organization, National Institutes of Health, National Science Foundation, and National Research Council—refuses to indulge in self-promotion.

Fortunately for those seeking a bit of self-disclosure from the author, the concluding chapter opens a tiny window into his personal involvement with the field. In it, he retells an incident from the dawn of his career when, at the request of his mentor, the late Daniel Green Morton, MD, Longo spent three days escorting Nicholson J. Eastman, MD, around town to deliver a series of lectures. Eastman, a distinguished professor of obstetrics and gynecology at Johns Hopkins School of Medicine, was considered one of the reigning giants of medicine at the time.

The story is touching, funny, and self-revelatory, but it shall not be disclosed here. Instead, readers are invited to obtain a copy of the book. Some things are better read in context.



Lawrence D. Longo, MD, holds a copy of his new book, *The Rise of Fetal and Neonatal Physiology: Basic Science to Clinical Care*.

LLU chapter of social work honor society recognized for record of service

By Heather Reifsnnyder

The Phi Alpha Honor Society for Social Work selected the Loma Linda University chapter, Iota Pi, to receive a Chapter Service Award.

The award includes a small monetary prize to further the LLU chapter's "excellent work in the community," in the words of Tammy Hamilton, executive secretary, Phi Alpha.

Iota Pi was one of just four chapters to receive this honor at the annual 2013 Phi Alpha annual meeting in November. There are more than 380 chapters nationwide.

To be considered for the award, chapters must provide a 12-month record of service activities. Iota Pi's outreach programs have included helping survey homeless individuals in San Bernardino County for the purpose of enhancing services to them, par-

ticipating in a food drive, and volunteering at health fairs.

The chapter also works to nurture members' academic studies through services including one-on-one tutoring, the opportunity to be part of university research teams, and peer support.

"Phi Alpha is more than what typically is thought of as an 'honor society,'" says Beverly Buckles, DSW, dean, School of Behavioral Health. "Rather, it gives talented, academically distinctive students a venue where they decide how to begin using their attributes to serve others, and thus fulfill the mission and values of their chosen profession and our university. I am very proud of the accomplishments of the Phi Alpha students. For them to be recognized as nationally exemplar in service gives me confidence that our graduates will certainly change the world for the better."

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A Seventh-day Adventist Organization

Tot receives Christmas shopping trip after tragedy

By Heather Reifsnnyder

For her first Christmas without her mother, 18-month-old Armani Taylor received a shopping trip for clothes, toys, and necessities courtesy of Loma Linda University Children's Hospital Foundation, the employees of Tilden-Coil Constructors, and the San Bernardino City Fire Department.

Armani and her personal shoppers—grandmother LaQuinta Jackson; aunt Arlene Youngblood; and representatives of the fire department and LLU Medical Center and Children's Hospital emergency department—spent Monday morning, December 30, at Target selecting diapers, shoes, clothing, toys, and other supplies.

Armani rode in the shopping cart talking on a toy cell phone while the adults

picked out necessities and clothing. She got down on the floor in the toy section, though, sampling with wonderment all the items she could reach. In the end her bounty filled more than one cart.

The shopping trip followed a tough ordeal during fall 2013. Armani and her mother, Charlene, were home alone in September when Charlene unexpectedly passed away. After being unable to reach Charlene for a couple of days, family members notified the authorities, who discovered Armani and sent her to the emergency department at Loma Linda University Children's Hospital for treatment of dehydration and other issues.

Emergency department staff and the firefighters were touched by Armani's story and wanted to help her have a festive holiday season.

Armani now lives with her grandmother.



A toy cell phone is a big hit with Armani Taylor, 18 months, as she rides through Target stocking up on toys, clothes, and necessities with the help of her aunt, grandmother, and staff from Loma Linda University Medical Center and the San Bernardino City Fire Department.

Cultural Pluralism Award recognizes School of Allied Health Professions

Contributed report

Craig Jackson, JD, MSW, dean of the Loma Linda University School of Allied Health Professions, received the Cultural Pluralism Award at the 2013 Association of Schools of Allied Health Professions Conference.

The Cultural Pluralism Award recognizes "either an individual member

or a department at a member institution involved in furthering the principle of cultural pluralism in the academic setting by demonstrating leadership in promoting it," according to the association.

Jackson stresses that he shares the award with the school's faculty and staff.

"They demonstrate exceptional commitment and dedication to the mission of the school and Loma Linda University," he

Physical therapist 'lives it' through a balanced approach

By Heather Reifsnnyder

Loma Linda University Health students and staff are encouraged to live out the message of wholeness the organization advocates. Miyuki Isogai, physical therapist at LLU Medical Center—East Campus, lives it personally and professionally by attending to mind as well as body.

LLUMC-East Campus physical therapist Miyuki Isogai is featured in the ad on the opposite page.

Isogai practices tai chi, an ancient martial art often carried out through slow movements that are thought to improve balance, increase health, and better one's mental well-being. A practitioner of the art for many years, Isogai shares its benefits with others by offering classes on her lunch break.

She also works to bring balance to her patients through helping them learn to relax and clear their minds while refining their muscle strength and skills.

Isogai's advice for living it is to "take small steps every day" to improve health through exercise.

says. "I am honored to receive this award on their behalf."

Jackson attributes the recognition to the diversity of the student body at the School of Allied Health Professions, as well as the

school's work in Haiti. The school operates a rehabilitation technician training program in Port-au-Prince and helps support several orphanages through mission trips and a recycling program.

Proton patient remembers LLUH in estate planning ...

Continued from page 8

have surgery or conventional radiation come in at four months with no side effects. She said, "None."

Today, nearly two years after completing proton therapy, Scott and Anne remain grateful for the way they were treated at Loma Linda and want to give back. They found two ways to do that.

First, Scott asked Deb Hickey and Dr. Martell to include him as a reference for men who have been newly diagnosed with prostate cancer. "I get one or two calls a week," he says. "I often spend an hour or more with each of them, helping them learn more about treatment options, especially proton beam therapy."

Second, they decided to remember proton research at Loma Linda University Health in their estate plan. After working with Paul Arceneaux and Tricia Murdoch in the philanthropy department, they were referred to Rich Bennett from the office of

planned giving. Scott describes the Loma Linda representatives as "very nice to work with; they were not the least bit pushy."

At Scott and Anne's request, Rich Bennett worked with their executor, the Barnabas Foundation, to craft a plan for donating 25 percent of their estate to the Robert J. Marckini Endowed Chair for Proton Research at Loma Linda University so others can benefit from the program that Scott describes as "one of the best experiences of my life."

"Loma Linda is such a caring, loving place with such high medical standards," Scott concludes. "It's a wonderful place to give to. We were fortunate enough to benefit from treatment there and wanted to pay it forward for people in the future."

For information on charitable gifts to any of the entities of Loma Linda University Health, please contact the office of planned giving at (909) 558-4553 or go online at www.llulegacy.org.

Parking office moves to new home in the parking structure

Contributed report

The parking half of the parking and transportation department has moved to a new location in the West Hall Parking structure, 11206 Campus Street, southeast corner, just past the elevators (suite numbers have not yet been assigned in the new structure).

Transportation operations are still based at the location at 125 E. Club Center Drive, but the lobby is now closed.

For more information, call (909) 651-3025 or ext. 53025.

From closest to farthest, Marlen Mendoza, administrative secretary, and Gloria Valdez, secretary, are ready for the expected steady stream of parking customers, now that they are conveniently located at the new parking structure. Supporting their efforts is Dominic Reichmuth (standing), interim director of transportation services.



Reportable Crimes

The Crime Awareness and Campus Security Act of 1990 requires Loma Linda University Health to publish interim reports on campus crime activities. Listed below are the crimes reported for the month of December 2013.

Type of Crime	Number of Crimes	Place of Crime
Burglary	1	Daniells Residence Bldg. 60
Vehicle Burglary	5	North Parking Structure (3); Farm Animal Care; East Campus
Auto Theft	4	Lot A; North Parking Structure (2); Medical Center
Threats	1	Heart & Surgical
Trespass	3	Heart & Surgical; Medical Center; Children's Hospital
Harassment	1	Faculty Medical Offices
Disturbing the Peace	1	Emergency Room
Brandishing in Progress	1	Lot A
Forgery/Counterfeit	1	Medical Center

You can assist the department of security in maintaining a safe and secure environment by notifying security immediately at extension 9-1-1 if you see or know about a crime taking place.

Cancer patient benefits from proton treatment and remembers LLUH in estate planning

By James Ponder

For Scott and Anne Wilcox, his recovery from prostate cancer is a gift from God.

Whether cruising the Central Coast of California on their turquoise and cream Harley, hunting in the mountains, or including Loma Linda University Health in their estate plan, the retired schoolteachers from Morro Bay, California, make a point of enjoying each day to the fullest.

Unfortunately, the ride screeched to a halt in January 2012 when Scott learned he had prostate cancer. "That's some of the worst news you can receive from a doctor," he recalls.

"Usually, I'm very optimistic," Anne adds, "but when I learned he had prostate cancer, that was something I never wanted to hear."

"We went home to analyze our treatment options," Scott continues. "At that point, God played a big part in things. He directed Anne to call a neighbor lady down the street and tell her I had prostate cancer." The neighbor said, "I have a book here that Scott needs to read," referring to Robert J. Marckini's bestseller, *You Can Beat Prostate Cancer And You Don't Need Surgery to Do It*.

"That was just the beginning of a number of events God used to open doors that illustrated Dr. Martell's assertion that 'No one comes to Loma Linda by accident,'" Scott recalls, referring to J. Lynn Martell, DMin, director of special services in the department of radiation medicine at Loma Linda University Medical Center.

After reading the book, Scott and Anne reached out to Deb Hickey at the Brotherhood of the Balloon for more information. Hickey manages the 6,500-member organi-



zation Marckini started as a support group for men with prostate cancer and their families. Bolstered by her encouragement, Scott told his urologist he wanted to follow the book's recommendation to seek proton therapy in Loma Linda.

"I had a good urologist," Scott recalls. "He said 'I think you need to go down there to Loma Linda for a consult because you'll always wonder about it if you don't.'" The urologist cautioned that the insurance carrier probably wouldn't pay for proton therapy, but Scott wrote a letter of medical necessity anyway, explaining that he has a

history of adverse reactions to medical procedures, and asking for an exception. When his primary care physician signed Scott's letter and faxed it to the insurance company with a referral to Loma Linda for proton therapy, he reiterated the urologist's assertion that the carrier would likely deny it.

Undaunted, Scott and Anne headed to Florida to visit his elderly mother. A few days later, he began calling the insurance company. Anticipating rejection, he also penned a 42-page appeal document just in case. He and Anne prayed earnestly and asked several of their friends to join them.

"We had two churches and the Black Sheep Harley-Davidsons for Christ," he shares, referring to a motorcycle ministry he and Anne belong to, "praying that God

would open the doors for me to receive the best treatment possible." In the meantime, he kept calling the insurance carrier.

"I kept hounding them for seven days," he reports. "On the seventh, they said, 'We've approved you to go to Loma Linda.'"

Scott and Anne were overjoyed. "I called Loma Linda from Florida," he informs, "and said, 'I'll be flying into Ontario on February 26.' They said they could get me in to see Dr. Grover on the 28th."

A week after meeting with radiation oncologist Ryan S. Grover, MD, Scott got a call from Loma Linda notifying him that he could start the program the following week. He and Anne loaded up the Harley and headed to the Inland Empire for 10 weeks. After getting fitted for the pod that holds the body in place during the proton sessions, Scott had a CT scan, and prepared for his first treatment.

"It went pretty well," he reports. "I would be treated at 8:00 a.m. every day, then go to LA Fitness and work out until noon. We stayed at a friend's house in Highland and rode the Harley every day. We probably put 2,000 miles on it. My buddy has a Yamaha and we took a ride up to Big Bear. We pretty much did our normal routine, just in a different place."

"You also painted your friend's house," Anne reminds.

Although proton therapy didn't crimp Scott's style, it wasn't entirely free of complications. "I had minor urinary side effects during the final six weeks of treatment," he notes. "Minor stuff like urgency and frequency, but it went away a month after treatment."

Four months after his treatments ended, a conversation with his urologist's assistant reminded him why he chose proton therapy instead of surgery.

"When I had my first four-month follow-up, the urologist's assistant began to ask if I had incontinence, sexual dysfunction, or other problems. I stopped her and said I had zero side effects. She was stunned. I asked her how many of the doctor's patients who

Continued on page 7

New Nichol Hall rotunda to be unveiled with return to original elegance and style

By Heather Reifsnnyder

The rotunda of Nichol Hall welcomes students and visitors into a storied building whose history dates back to 1928–29, when it was built as a new home for the Loma Linda Sanitarium and Hospital.

The building—now home to the School of Public Health and School of Allied Health Professions—has undergone many expansions and renovations, the latest of which has been an update in elegance for the rotunda.

Or rather, it is a return to its original glory, as guests will see during an open house February 19 from 3:00 to 6:00 p.m.

The original terrazzo—a polished mosaic flooring of chipped marble and quartz—was

liberated from its carpet covering and has been restored to show off its shades of gray, rose, ivory, and mocha accented with thin bands of brass. It is a revelation, according to Kent Chow, project manager.

"We knew the original floor was terrazzo," Chow says, "but what we didn't expect to find was vibrant colors and the original Loma Linda Sanitarium seal. The lead restorer went out of his way to let us know that the artisan who made the seal was, in his opinion, a master."

Looking up, the rotunda was originally ceilinged with beams—probably plaster—radiating out from the central support column but taken out at some point. Those have been replicated in wood and

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Cutting the ribbon are (from left to right) Tricia Penniecook, MD, PhD, dean, School of Public Health; Craig Jackson, JD, MSW, dean, School of Allied Health Professions; Richard Hart, MD, DrPH, president, Loma Linda University Health; and Lowell Cooper, MPH, MDiv, chair, LLUH Boards of Trustees.



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Have a story that's noteworthy? Send it to pr@llu.edu

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