

## Dean's Newsletter

### May 8, 2012

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#### **Launch of the Campaign for Stanford Medicine**

Last evening, at a reception held on the Alumni Lawn in front of the Li Ka Shing Center for Learning and Knowledge, President John Hennessy announced the launch of the Campaign for Stanford Medicine (<http://med.stanford.edu/ism/2012/may/campaign.html>). This new campaign follows the highly successful Stanford Challenge, which was completed at the end of December 2011 (<http://thestanfordchallenge.stanford.edu/highlights-by-school/school-of-medicine/>). It will focus on the Stanford University Medical Center (SUMC) and specifically on the Stanford Hospital & Clinics (SHC) and the School of Medicine (SoM). The Campaign for Stanford Medicine has a fundraising target of \$1 billion over the next 2-3 years. The major emphasis of the Campaign will be to seek gifts to help support the new Stanford Hospital, a nearly \$2 billion construction project that began at the end of 2011.

The Lucile Packard Children's Hospital, also an integral member of the SUMC, is currently completing its \$500 million campaign, "*Breaking New Ground*," which will permit the expansion of LPCH by adding approximately 150 additional private patient rooms, along with surgical, diagnostic and treatment areas and wonderful new gardens for children and families. The *Breaking New Ground* Campaign has also raised financial support for School of Medicine academic programs and has been a collaborative effort between the leadership of the Lucile Packard Children's Hospital and the Stanford School of Medicine.

The Campaign for Stanford Medicine marks the initiation of an integrated and coordinated effort among the leadership and Offices of Medical Development of SHC, SoM and Stanford University. As noted by President Hennessy, the Campaign will seek \$700 million for new hospital construction and \$300 million for the education and research missions of the School of Medicine.

While an immediate fundraising target of \$1 billion over the next 2-3 years is obviously quite ambitious, the wonderful news that President Hennessy announced is that the medical center is already halfway to achieving this goal, with \$500 million recorded in pledges and expectancies. This includes \$50 million gifts each from Anne and Robert Bass, John and Tashia Morgridge, and the Redlich family that will name three of the four pavilions. Needless to say, each of these is an extraordinary gift and is evidence of the deep respect and commitment to Stanford Medicine and Stanford Hospital & Clinics of

highly respected leaders in our local and global community. In addition to these incredible individual gifts, President Hennessy announced that seven companies have committed \$175 million for the new hospital project through the Stanford Hospital Corporate Partners Program. Included among these corporate partners are Apple, eBay, Hewlett-Packard, NVIDIA, Intel, Intuit and Oracle. This generosity exemplifies the community support for the new Stanford Hospital, which will be completed in 2017.

Academic Medical Centers across the nation have played a critical role in transforming medicine through their missions in education, research, patient care and service to the community. Stanford University Medical Center is one of the nation's premier centers of excellence but, like its peers across the nation, faces major challenges as funding for research declines and the cost for healthcare delivery continues to rise to levels that are not sustainable without major changes and transformations. These challenges make the role of Stanford Medicine even more vital as we seek new solutions and serve as a model of excellence committed to improving the health of our communities. We envision four interconnecting pillars that will support and transform Stanford Medicine in a continuous cycle of discovery and innovation. These are:

1. ***Fostering Innovation and Discovery to Create New Knowledge and Shape the Future of Health and Healthcare.*** This will include fundamental research to create the building blocks for new insights into human biology along with innovations that will be coupled with novel ways of accelerating discoveries from the laboratory to the patient.
2. ***Promoting Health by Defining and Determining the Risks to Health on a Personal Level and Using Precision Medicine Along with Population Health Sciences to Transform the Health of Our Community.*** This will utilize the rapidly evolving technologies that reveal our fundamental biologic make-up and the ways in which it interacts with environmental forces to shape health and the risks for disease. The ability to utilize and analyze large databases along with novel and rapidly evolving information technologies will shape how, when and where healthcare is delivered with the highest quality and value to individuals and communities.
3. ***Translating Discoveries to Address Major Health Challenges through the Stanford Institutes of Medicine*** and through the efforts of Interdisciplinary Centers, Departments and faculty working through novel and integrated collaborations between the School of Medicine and Stanford Hospital & Clinics.
4. ***Educating and Training the Future Leaders of Science and Medicine to Transform the Future and Create a Continuous Cycle of Renewal, Innovation and Discovery.***

These integrated goals build on the advances that have been achieved over the past decade. Importantly, these and related efforts will be further refined, defined and expanded over the next couple of years when a new Dean for the School of Medicine is

appointed and creates new visions for a future of excellence. While campaigns often have defining starts and completion dates along with targets and accomplishments, the future of institutions like Stanford is not marked by boundaries but by an exponential march toward continued excellence. This is a journey that builds on our past but that aims to create a new future.

*You will shortly be receiving via email the current issue of “Inside Stanford Medicine,” which includes additional coverage of the Campaign.*

## **Alumni Reunion 2012: Looking Backward Helps Define Looking Forward**

A high point of each year is the opportunity to welcome alumni from the Stanford University Medical Center back to The Farm. We are, in so many ways, the beneficiaries of their work – whether it was done in San Francisco or Palo Alto, in the classroom, research laboratory or clinical setting. While one of the most important purposes of an alumni reunion is the opportunity to reconnect with colleagues, teachers and friends, it is also a time to relive memories of time spent together at Stanford.

A University and medical school are certainly defined physically by their buildings and facilities – many of which evoke memories and emotions that run wide and deep and that harken back to the formative stages of one’s life and career. Of course, most buildings are transient and, except for a few iconic ones, go through renewal and sometimes obsolescence and rebuilding. This is true for education and research buildings – as well as for clinical facilities. We are living through this every day as Project Renewal moves forward for the building of a new Stanford Hospital and a major addition to the Lucile Packard Children’s Hospital. Of course, some give special significance to the buildings being replaced (e.g., the original 1959 ED Stone Buildings) based on personal memories and experiences that recall different times, needs and expectations. Today, most of those working in clinical settings at Stanford recognize that these buildings, now more than 50 years old, are seismically challenged and no longer matched to the purposes they were designed for in education, research and patient care.

For example, the new Li Ka Shing Center for Learning and Knowledge replaces the Alway education facilities and makes the latter seem quite obsolete. That said, there are many in our community – including a number of our alumni who visited Stanford this past weekend – who have wonderful memories of these facilities and feel some sadness that they no longer feature prominently in the minds of current students and trainees. This is part of our cycle – like the memories evoked by family pictures in albums that sit on shelves gathering the dust of time or the photos that come and go from our screen savers or that are snapped and put into cyberspace from our cellphones. Different times and different memories.

It is easy for those with no personal memories or recollections of a facility to misunderstand or even to be unaware of memories associated with it that are cherished by prior generations. This can have consequences, as was recently exemplified by the demolition of the Anatomy Building, which was used for medical student education from

1910 through the Loma Prieta earthquake in 1989. This building had been vacated and mothballed for more than two decades - long before I arrived at Stanford. But even though it was empty and all of its vital components had been collected more than a decade ago, when it was taken down by the University to make way for a new Art Building, a “home” for many of our alumni was lost. That this loss was not acknowledged and addressed is unfortunate. Similar feelings were evoked when the Fairchild Auditorium, on which the current LKSC now sits, was demolished several years ago to make way for the future.

Without question, this cycle of demolition and renewal will occur many times in the future – and will be both mourned and celebrated, depending on which side of the memory divide one sits. That said, activities allowing us to sustain memories need to be more hardwired into our future. This can come in different ways – pictures, stories or memorabilia. Thanks to the foresight of Dr. Don Prolo, MD’61, and the concern and dedication of Dr. Linda Hawes Clever, MD’65, Associate Dean for Alumni Affairs, a number of “bricks” from the Anatomy Building have been retrieved, gathered and stored. The Alumni Office will develop ways of “sharing” some of these memorabilia over the next months.

Honoring the past of Stanford Medicine was also celebrated at Alumni Day by the dedication of the Discovery Walk project, which I commissioned when the planning began for the Li Ka Shing Center for Learning and Knowledge (see <http://med.stanford.edu/ism/2012/april/artwalk-0423.html>). I have long observed that Stanford is unique in its emphasis on looking forward rather than paying homage to the past – which almost certainly contributes to its spirit of discovery and innovation. Missing are the all too officious portraits of institutional leaders, often monotonously featured in hallways, lecture rooms and conference centers at more traditional east coast institutions. That style seemed inappropriate for Stanford. The “history project” that can be found in the Discovery Walk consists of narratives that have been etched into black granite quarried in Mongolia and that adorn the planters along Discovery Walk, telling the history of Stanford Medicine in a unique way.

The Discovery Walk is the work of Susan Schwartzberg, a photographer and visual artist who conceptualized and then developed the project with a team that included Leah Elamin, Gayle Laird, Gabe Meil and Akiko Ono. The project was coordinated at Stanford by Maggie Saunders and presently includes 347 granite panels. The narratives etched onto their surfaces are based on conversations with over 200 Stanford scientists, alumni, faculty, students and staff. Special thanks also go to Dr. Ross Bright, former Associate Dean for Alumni Affairs. I hope that this visual journey, which captures the transition of Cooper Medical College to the Stanford University School of Medicine and its Medical Center, is meaningful to alumni past and present. I also hope that current members of our Stanford community will take time now and then to stop along the way and learn more about Stanford history and how it has shaped who we are today.

It is often said that history is a prologue to the future. But that simple truth may be about to be turned on its head – or “flipped,” as the current phrase goes. This too has

relevance to our alumni as well as our current and future students. To be more specific – when the Li Ka Shing Center for Learning and Knowledge (LKSC) opened in 2010 it represented one of the most advanced centers for medical education in the world. I am happy to say it still does - but it seems likely that it will be used in ways that were only barely foreseen when it was being conceptualized and developed. Certainly a cornerstone of the LKSC is its flexibility and advanced technologies. But we recognized even as we moved into the new facility that these state of the art technologies were rapidly changing. The number of wireless devices far exceeded expectations, and the early planning of the LKSC didn't foresee that iPads, laptops and other mobile devices would be used in very novel ways – with increased need for broadband and flexible change. So even though we did our best to make the LKSC the educational facility of the future, even the most advanced technologies become dated with remarkable speed – the future of technology all too rapidly becomes a prologue to the past.

And while Stanford has had streaming videos of medical school lectures available to students for decades, the world of education and learning technologies is at the cusp of change that will be transformative and likely disruptive. Change is happening at Stanford and throughout the US. Recently, two new companies have emerged from Stanford's School of Engineering that are changing the face of on-line education. One of these is Coursera, founded by Computer Science professors Andrew Ng and Daphne Koller (see <http://www.nytimes.com/2012/04/18/technology/coursera-plans-to-announce-university-partners-for-online-classes.html>). In a similar vein, for over a year, Dr. Charles Prober, Senior Associate Dean for Medical Education and Professor of Pediatrics, has been developing a collaboration with Sal Khan, founder of the Khan Academy (see: <http://www.khanacademy.org/>), that has the prospect of transforming medical education using the same remarkable tools that the Khan Academy is providing to primary and secondary education (and beyond) – for free and on a global basis. Indeed, the goal of the Khan Academy is to change education for the better by providing a free world-class education to anyone anywhere.

The ways that new learning technologies will change education has been likened to “*The Campus Tsunami*” by David Brooks in his May 4<sup>th</sup> opinion piece in the *New York Times* (<http://www.nytimes.com/2012/05/04/opinion/brooks-the-campus-tsunami.html?ref=opinion>) – referring to a quote by President John Hennessy in a April 30<sup>th</sup> article by Ken Auletta in the *New Yorker Magazine* (see: [http://www.newyorker.com/reporting/2012/04/30/120430fa\\_fact\\_auletta](http://www.newyorker.com/reporting/2012/04/30/120430fa_fact_auletta)). The title of that article, “Get Rich U,” is somewhat misleading since the article is otherwise interesting and even thoughtfully provocative. While these reports focus on undergraduate college and university education, the concepts are highly relevant to medical education and learning as was thoughtfully reviewed by Charles Prober and Chip Heath, in a Perspective article entitled “*Lecture Halls without Lectures – A Proposal for Medical Education*” in the May 3<sup>rd</sup> issue of the *New England Journal of Medicine* (see: <http://www.nejm.org/doi/full/10.1056/NEJMp1202451>). For additional details you can listen to his recent interview with Paul Costello, Chief Communications Officer for the School, on the award-winning 1:2:1 podcast series (see: <http://med.stanford.edu/121/2012/prober.html>).

I shared some of these coming changes with our alumni during my address to them during Alumni Weekend. The world around us is changing rapidly and it is good to know that Stanford Medicine is helping to lead these changes – which will affect all of our learning environments in the future.

So while alumni return today to a visible spot – with its history and memories – it is plausible that alumni of the future will never leave Stanford, since Stanford will instead accompany them to their homes in cities and nations globally. This digital transformation is occurring not just in education, but also in research, where ever-larger databases require new computation modalities and algorithms to organize and make sense of a rapidly digitizing world. This digitation is also rapidly evolving in clinical medicine and will almost certainly change the interactions among doctors and patients, institutions and communities. A forecast of some of these changes is described in Eric Topel’s recent book entitled *“The Creative Destruction of Medicine: How the Digital Revolution Will Create Better Healthcare”* (Basic Books: New York, 2012). But even this provocative look at the future will likely miss the dramatic changes that will unfold in the years and decades ahead – almost certainly in ways that we don’t even know about today. And while these changes unfold, it will be essential that we not lose the human connections that define and connect us – as alumni, as colleagues, as doctors, patients, friends and communities.

### **Medical Student Research Day 2012: A Tradition Continues**

On May 3, 2012 the 29<sup>th</sup> Annual Medical Student Research Symposium was held in the Paul and Mildred Berg Hall in the Li Ka Shing Center for Learning and Knowledge. This highly anticipated annual event was hosted by the Stanford University Medical Center Alumni Association (<http://med.stanford.edu/alumni/>) and Drs. Joan Lombardi, MD’83, President, and Linda Hawes Clever, MD’65, Associate Dean for Alumni Affairs. I also want to thank this year’s Planning Committee, which included Dr. Loren Baker, Director of Medical Student Research & Scholarship and Professor of Health Research and Policy, along with Mara Violanti, Assistant Director of Medical Student Research & Scholarship, and Joan Menees, Medical Scholars Program Coordinator. I also want to thank the 2012 Student Committee comprised of Joel Bronstein, James Chen, Tyler Hillman, Kim Kukurba, Joshua Lee, Rachel Lee, Desiree Li, Nayna Lodhia, David Nguyen, and Edward Pham. Their collective efforts made this year’s research day incredibly successful.

This year’s Research Symposium featured nearly 50 poster presentations, representing 12 Scholarly Concentrations as well as the MSTP (Medical Science Training Program). Projects included everything from Biomedical Ethics and Humanities to Molecular Basis of Medicine, from Health Services and Policy Research to Clinical Research, and Cancer Biology to Global Health.

Research is an integral component of the education and curriculum of Stanford Medical Students and plays a key role in shaping each individual’s career development –

whether that eventually will be in clinical or in academic medicine. The skills acquired through a research experience shape critical and analytic thinking and provide the opportunity for future physicians to learn to “think like a scientist” – an incredibly important asset for a life journey in medicine and science.

It has also become a tradition for a portion of the presentations to be selected as award winners by a panel of judges. It is important to underscore that simply conducting research and presenting one’s work at the Symposium is grounds for an award. But I do want to acknowledge the students whose work was selected as particularly meritorious. I want to thank all of the judges who carefully evaluated the posters and presentations. This year’s winners are:

<b>Student</b>	<b>Mentor</b>	<b>Project Title</b>
<i>Shah Ali</i>	Irving Weissman	<i>Cardiomyocytes undergo division postnatally to generate new cardiomyocytes in mouse models of aging and cardiac injury</i>
<i>Adriana Anavitarte</i>	Alan Cheng	<i>The effect of unilateral hearing loss on speech and language development</i>
<i>Ehte Bahiru</i>	Corinna Haberland	<i>Analysis of the most prevalent opportunistic infections, causes of mortality and characteristics of the inpatient HIV/AIDS patient population admitted in 2008</i>
<i>Jocelyn Chin</i>	Michael Fischbein	<i>Effects of TGF-<math>\beta</math>1 on Marfan vascular smooth muscle cells reflect pathophysiology of early aortic root aneurysm</i>
<i>Richard Gaster</i>	Shan Wang	<i>Nanomedicine at the forefront of medical diagnostics</i>
<i>Jia Luo</i>	Matthew Scott	<i>Regulation of development and tumorigenesis by the NFI family of transcription factors: convergence with hedgehog signaling</i>
<i>Aaron Ring</i>	K. Christopher Garcia	<i>Molecular engineering of SIRP<math>\alpha</math>: A new strategy in cancer immunotherapy</i>
<i>Mark Sellmyer</i>	Tom Wandless	<i>Visualizing cellular interactions with a generalized proximity repoter</i>
<i>Luz Silverio</i>	Emilie Cheung	<i>Patient adherence with post-operative restrictions after rotator cuff repair</i>
<i>Kipp Weiskopf</i>	Irving Weissman	<i>Evolving high affinity SIRP<math>\alpha</math> variants as immune-based therapies for cancer</i>

Please join me in congratulating all the students who presented their research findings at the 29<sup>th</sup> Annual Medical Student Research Symposium and to the ten students whose work was designated as highly meritorious. I want to also thank their mentors and all who made their research experience so meaningful and important.

### **Annual Department of Pediatrics Research Retreat**

Dr. Hugh O’Brodivich, the Arline and Peter Harman Professor and Chair of the Department of Pediatrics, shared an update on the recent departmental research retreat that I am pleased to share with you. Here is his summary:

The Department of Pediatrics held the Third Annual Pediatric Research Retreat on Friday, April 20<sup>th</sup> at the Li Ka Shing Center for Learning & Knowledge. The Retreat was preceded by the Pediatric Grand Rounds speaker Dr. Gabriel Haddad, Chair of Pediatrics at UCSD whose lecture was entitled “*Can human tissues tolerate hypoxia: new insights from flies and people.*” Dr. O’Brodivich then welcomed the Research participants and Chris Dawes, CEO of LPCH, outlined his support for the academic mission of the Department. Two hundred attendees, including faculty, fellows, postdoctoral scholars, residents, research staff and guests, gathered to listen to 12 faculty talks and 4 trainee and Instructor talks, selected by the Retreat Committee. Nearly 80 abstract posters illustrated some of the basic, translational, clinical and educational research ongoing throughout the Department. Prizes were awarded for outstanding abstract, poster, and mug design, which were featured on the souvenir coffee mugs given to attendees. The winners selected to give talks based on their abstracts were Aimee Grace, MD (Resident), Charles Gawad, MD, (Fellow), Bethsaida Nieves, PhD (Postdoctoral Scholar), Valerie Chock, MD (Instructor). Winners for the best posters were Paul Valdmanis, PhD, (Postdoctoral Scholar), Shayna Gaman-Bean, MD (Fellow), Chirag Patel (Postdoctoral Scholar), Narendiran Rajasekaren, PhD (Postdoctoral Scholar) and Anne Hsii, MD, Fellow. The winning mug designs were submitted by Gia Oh, MD, and Manish Butte, MD, PhD.

In addition to the research presentations and posters, Resource Tables during the lunch and poster session provided attendees an opportunity to learn more about the available resources to researchers in the Department, with representatives from Spectrum Child Health Services, CHRI Trainee Grant Support Programs, RMG, LPFCH, the Thrasher Foundation, Stanford Center for Clinical Informatics, the Human Immune Monitoring core, the Research Management Group and Study Facilitator Services.

### **Awards and Honors**

- The past several months have witnessed a number of important awards and recognitions for ***Dr. Karl Deisseroth***, Associate Professor of Bioengineering and of Psychiatry and Behavioral Medicine, for his seminal discoveries in the new

field of optogenetics. Included in them is the [Record Neuroscience Award](#) that he received in February, the [Perl/UNC Award](#) that he will receive in May (along with two of his former students, Feng Zhang and Ed Boyden, (both now at MIT) and the [Zuelch Prize from the Max Planck Society](#), that will be shared with algal biologists Peter Hegemann, Georg Nagel, and Ernst Bamberg. And to top it all off, on Tuesday, May 1<sup>st</sup>, Dr. Deisseroth was elected to the [National Academy of Sciences](#) – an incredible accomplishment at this stage of his career!

- **The National Academy of Sciences** announced the election of two other Stanford School of Medicine faculty members in addition to **Dr. Karl Deisseroth** (see above). Also receiving this exceptional honor and recognition by election to the NAS are:
  - **Dr. K. Chris Garcia**, Professor of Molecular and Cellular Physiology and of Structural Biology
  - **Dr. Rob Tibirishiani**, Professor of Health Research and Policy (Biostatistics) and of Statistics
- **Dr. Jeff Norton**, The Robert L. and Mary Ellenburg Professor, received the [Flance-Karl Award](#), the highest recognition of a sustained scientific and clinical contributions. The Awards Committee commented “Dr Norton has made a lifetime of seminal contributions in our understanding of tumor and cytokine interactions and in the immunotherapy of cancer. His translational studies have fundamentally altered the surgical therapy of a number of malignancies”
- **Dr. Sharon Hunt**, Professor of Medicine, is the recipient of the 2012 Lifetime Achievement Award from the International Society for Heart and Lung Transplantation (ISHLT). This is only the fourth time that the ISHLT has conveyed its Lifetime Achievement Award during the Society’s 31-year history.
- An Investiture Ceremony celebrating **Dr. Brian Kobilka’s** appointment as the first incumbent of the [Helene Irwin Fagan Professorship](#) was held on Tuesday May 1<sup>st</sup>. Dr. Kobilka is professor and chair of the Department of Molecular and Cellular Physiology.
- **Dr. H. Peter Lorenz**, Professor of Plastic & Reconstructive Surgery, has been elected as a member into the American Surgical Association – a most prestigious society with only a total of 360 members.
- **Scope Medical Blog** has received the GIA Award for Excellence, the highest honor in its category, from the AAMC Group for Institutional Advancement (GIA). Scope is a group-authored medical blog staffed by our communications and public affairs office offering external audiences a curated source of biomedical news and conversation.

Congratulations to all!

## **Appointments and Promotions**

**Caroline Buckway** has been reappointed to Clinical Associate Professor of Pediatrics, effective 1/1/2012.

**Cynthia J. Campen** has been appointed to Clinical Assistant Professor of Neurology and Neurological Sciences, effective 7/1/2012.

**Abanti Chaudhuri** has been promoted to Clinical Assistant Professor of Pediatrics, effective 5/1/2012.

**Katrin Chua** has been promoted to Associate Professor of Medicine, effective 5/01/2012.

**Shelley Day** has been appointed to Clinical Assistant Professor (Affiliated) of Ophthalmology, effective 9/1/2011.

**Tri Do** has been reappointed to Clinical Assistant Professor (Affiliated) of Radiation Oncology, effective 2/1/2012.

**Ann Caroline Fisher** promoted to Clinical Assistant Professor of Ophthalmology, effective 4/16/2012.

**Linda Foppiano** has been reappointed to Clinical Associate Professor of Anesthesia, effective 3/18/2012.

**Neil Gesundheit** has been promoted to Professor (Teaching) of Medicine, effective 7/01/2012.

**Michael Greicius** has been reappointed to Assistant Professor of Neurology and Neurological Sciences, effective 6/01/2012.

**Cathleen Hebson** has been reappointed to Clinical Assistant Professor (Affiliated) of Pediatrics, effective 2/1/2012.

**Kyle Hinman** has been promoted to Clinical Assistant Professor of Psychiatry and Behavioral Sciences, effective 6/1/2012.

**Seth Hollander** has been appointed to Clinical Assistant Professor of Pediatrics, effective 7/1/2012.

**Ninad Karandikar** has been appointed to Clinical Assistant Professor (Affiliated) of Orthopaedic Surgery, effective 4/1/2012.

**Vista Khosravi Soroush** has been reappointed to Clinical Assistant Professor (Affiliated) of Dermatology, effective 3/1/2012.

**Malathy Kuppuswamy** has been reappointed to Clinical Assistant Professor (Affiliated) of Psychiatry and Behavioral Sciences, effective 9/1/2011.

**Christopher Lee-Messer** has been appointed to Clinical Assistant Professor of Neurology and Neurological Sciences, effective 7/1/2012.

**Michael S. Leong** has been promoted to Clinical Associate Professor of Anesthesia, effective 5/1/2012.

**Beth Martin-Kool** has been reappointed to Clinical Assistant Professor (Affiliated) of Medicine, effective 1/1/2012.

**Julianne M. Mendoza** has been promoted to Clinical Assistant Professor of Anesthesia, effective 5/1/2012.

**Kristina E. Milan** has been appointed to Clinical Assistant Professor of Obstetrics and Gynecology, effective 8/15/2012.

**Manchula Navaratnam** has been promoted to Clinical Assistant Professor of Anesthesia, effective 5/1/2012.

**Albert John Popp** has been appointed to Clinical Professor of Neurosurgery and by courtesy of Neurology and Neurological Sciences, effective 7/1/2012.

**Brian Scottoline** has been promoted to Clinical Assistant Professor of Pediatrics, effective 5/1/2012.

**Martin Vazquez** has been reappointed to Clinical Assistant Professor (Affiliated) of Dermatology, effective 3/1/2012.

**Hong Yu** has been reappointed to Clinical Assistant Professor of Neurosurgery, effective 8/1/2012.

**Gary Zhao** has been reappointed to Clinical Assistant Professor (Affiliated) of Medicine, effective 9/1/2010.