Dear Faculty, Staff, Students, and Alumni:

On October 7, the University of Chicago celebrated the 25th anniversary of the Lowell T. Coggeshall Memorial Lecture. This lecture series was launched in 1989 by the MacLean Center for Clinical Medical Ethics, so it was only fitting that this important milestone lecture was given by the series’ founder, Mark Siegler, MD’67. Dr. Siegler is a national thought leader and innovator in the field of clinical medical ethics. His impact is significant—globally, nationally, and locally—but what really struck me about his talk was his profound appreciation and respect for the history and traditions of the University of Chicago. In his lecture, he invited us to look back to earlier leaders in our school’s history—to learn a little bit more about the past deans of the Biological Sciences Division, and in particular, the Pritzker School of Medicine’s founding dean, Franklin McLean, MD, PhD.

In 1927, the University of Chicago opened its new medical school on campus under Dr. McLean’s leadership. Sensing the inadequacy of health care for Chicago’s disadvantaged minorities, Dr. McLean created partnerships between the school and African-American medical students. He codified these efforts in 1946 by founding the National Medical Fellowships (NMF) to give scholarships to underrepresented minority clinicians and students.

The NMF has grown considerably, with its mission to “increase the number of underrepresented minority physicians and other professionals in the health care workforce in order to improve access to quality health care in medically underserved communities.”

This year, I was privileged to be the Honorary Co-Chair of the Chicago NMF Champions of Health Awards ceremony, a gala that brings together health care workers, clinicians, hospital executives, and leaders of local medical schools to raise money for NMF scholarships and honor current scholarship winners. I would like to extend my congratulations to Rachel Stones, MS2, who received an NMF scholarship for her work in underserved communities, and to Monica Vela, MD’93, who was asked to be the keynote speaker for next year’s ceremony.

Dr. Siegler’s lecture also touched on the University of Chicago’s leadership in clinical medical ethics, driven by his innovative and energetic focus on developing this new field. Both the MacLean Center and the Bucksbaum Institute for Clinical Ethics are leaders in their field, and I would like to acknowledge our new Bucksbaum Scholars, MS2s Hasenin Al-khersan, Sean Gaffney, Kate Kinasz, and Laurie Nosbusch. Our Bucksbaum Scholars will participate in interdisciplinary research projects that explore the doctor-patient relationship and clinical decision-making. We also have faculty members associated with the Bucksbaum Institute, and Laurie Nosbusch took time to interview Ross Milner, MD, who was the first faculty member to be honored as a Bucksbaum Master Clinician. Dr. Milner has recently become a career advisor for the Huggins Society, so please welcome him as part of our team!

I hope you find Pritzker’s long history of advocacy and ethics as compelling as I do, and I encourage you to investigate the resources and opportunities provided by the NMF, the Bucksbaum Institute, and MacLean Center. Our campus has a diverse array of disciplines and experts—let them inform your medical education in as much as our formal curriculum does.

Sincerely,

Holly J. Humphrey, MD’83
Ralph W. Gerard Professor in Medicine
Dean for Medical Education

Holly J. Humphrey, MD’83, MACP
Ralph W. Gerard Professor in Medicine
Dean for Medical Education
The following article was recently published in Medicine on the Midway, the magazine for friends, alumni, and faculty of University of Chicago Medicine, the University of Chicago Division of Biological Sciences, and the Pritzker School of Medicine.

Mark Siegler, MD’67, the Lindy Bergman Distinguished Service Professor of Medicine and Surgery at the University of Chicago, delivered the 25th Annual Lowell T. Coggeshall Memorial Lecture on October 7, 2014.

Dr. Siegler has been practicing and teaching internal medicine at the University of Chicago Medicine for more than four decades. He is founding director of the University of Chicago’s MacLean Center for Clinical Medical Ethics and executive director of the Bucksbaum Institute for Clinical Excellence.

What follows are edited excerpts from his talk, “50 Extraordinary Years at the University of Chicago and the Development of Clinical Medical Ethics.”

TURNING POINTS

During my five years directing the medical intensive care unit, from 1972 to ’76, every important ethical issue came up: end of life care, rationing of beds, truth telling, informed consent, surrogate decision-making and medical innovation. Those were the years when I decided to spend the rest of my career trying to improve patient care by combining ethical analysis with clinical medical practice.

In 1985, I received an offer from a well-regarded eastern university to start a new ethics program. I went to see (University President) Hanna Gray for guidance. I reached the decision (to stay) quickly and it was a decision that I have never once regretted because:

• Chicago is a true UNI-versity—unified both geographically and intellectually, committed to scholarship, and enthusiastic about interdisciplinary work.
• I loved working with my patients, and after 20 years of practice, I didn’t want to leave them.
• I had been working in the new area of clinical ethics here at the University for 15 years and my plans were supported and encouraged by my medical and ethics colleagues, by the Department of Medicine leadership and by the University.
• And, finally, my mentors were here—Al Tarlov, Arthur Rubenstein, Leif Sorensen, Jim Gustafson, Stephen Toulmin, and Hanna Gray—willing to guide me in my early years as I worked to establish the new field of clinical ethics.

THE DEVELOPMENT OF MEDICAL ETHICS

The MacLean Center at the University of Chicago is seen as the birthplace of clinical ethics. I want to recognize and deeply thank the MacLean family for their unswerving support for the past 30 years. The achievements of the MacLean Center have been a team effort and include developing the clinical ethics fellowship program; establishing clinical ethics consultations; pioneering the field of surgical ethics; and publishing in medical and ethics literature.

LOOKING BACK

The achievements I am most proud of are:

• Working with great students, residents, and faculty colleagues;
• Taking care of patients as a general internist for 47 years;
• Helping to start the Section of General Internal Medicine;
• Organizing the first medical ICU at the University;
• Helping to start the field of clinical medical ethics;
• Working with faculty colleagues and board members for the past 30 years to develop the MacLean Center and the ethics fellowship training program.

LOOKING FORWARD

In 2011, Dean Kenneth Polonsky invited me to direct the Bucksbaum Institute for Clinical Excellence. The Bucksbaum Institute is made possible by a transformative gift from Kay and her husband, the late Matthew Bucksbaum, and their family. It is dedicated to working with medical students, junior faculty, and senior faculty to improve patient care and outcomes through research and teaching about the doctor-patient relationship, communication with patients, and the process of reaching decision with patients.
INTERVIEW

LN: Could you tell us about your background, surgical practice, and research interests?
RM: I did all of my education and training at the University of Pennsylvania. After completing my fellowship in vascular and endovascular surgery, I had a unique opportunity to complete a research fellowship in Utrecht, Holland. I came to the University of Chicago in 2012, and I am now the Director of the Center for Aortic Diseases. A lot of people don’t know what a vascular surgeon does, so I tell people that I work on every blood vessel other than the heart. My research focuses on device design and development for the treatment of aneurysm disease.

LN: Given the Bucksbaum Institute’s mission to improve doctor-patient communication and clinical decision-making, how has being a Bucksbaum Master Clinician impacted your surgical practice and involvement in education?
RM: It was an honor to be recognized by senior faculty within the medical center. More than anything, it serves as a daily reminder that we need to have patience and communicate clearly in order to take care of people and to practice medicine the way it is meant to be practiced.

I help direct the Clinical Excellence Track, which is a new collaboration between the undergraduate college and the Bucksbaum Institute. I am very passionate about this program because I think it is an amazing opportunity for students interested in the doctor-patient relationship to gain early exposure and develop important skills.

LN: What are you looking forward to the most in your new role as a Huggins Society advisor?
RM: I am most looking forward to getting to know the students more. Not many third year students rotate through our service, so my role as a society advisor will allow me to meet more students. I am the only society advisor who is a surgeon, so I imagine that I will have the chance to help students outside of my own Huggins Society group as well. I am just hoping to help make the residency application process as low-stress as possible, and I think it will be a really fun role!

LN: What do you think makes a successful advisor/advisee relationship?
RM: Listening—both ways! Advisors and advisees also need to be comfortable asking, “Are we making the right decision? Is this the best advice, or should we ask someone else?” Because this is a new role for me, I think it will be especially important for me to recognize that I don’t have to know everything, and to be comfortable saying, “I don’t know, let me ask someone with more experience.” Finally, being available is obviously very important.

LN: How do you think medical students can prepare to make the most of the formal advisors available to them?
RM: Early on, the students should feel comfortable coming in to share experiences, ask questions, or to talk about any issue that they might be struggling with. When applying for residency, I hope that the students come in prepared to discuss the pros and cons of different specialties that they are considering as well as their goals for their residency program. I hope that the students keep an open mind when considering their options and listening to feedback.

LN: Did you have a particularly important mentor during medical school?
RM: Through medical school, the person that helped me the most was Dr. Leonard Miller. When I was a medical student, he basically lived in the hospital and was available 24/7. He was unbelievably passionate about making sure that the students had a good experience on surgery. He really supported me and was a great mentor and friend.

LN: Do you listen to music in the operating room?
RM: I actually do not listen to music in the operating room, and I know that I am one of the few surgeons who does not. The surgeons whom I trained under did not listen to music room in the OR, so I just never got in the habit.

LN: I know that you ran the Comer Race for the Kids this year. Do you like to run in your free time? What are your other hobbies?
RM: I love to run. I am not a great runner, but I love to do it, and I generally run on mornings and weekends. Other than that, I love spending time with my family and the majority of my free time is spent doing family-oriented activities.

LN: If you could travel anywhere in the world, where would you choose?
RM: I just finished reading *Into Thin Air* by Jon Krakauer, so I think it would be incredible to climb Mt. Everest. I don’t think I am in the physical shape required to do that, but I think it would be absolutely amazing to have that experience.
The University of Chicago Pritzker School of Medicine held its eighth annual Medical Education Day on November 20, 2014. This event highlights the innovation and research in medical education taking place at the University, offering a time for students, residents, and faculty to showcase their work.

This year, we welcomed Maryellen E. Gusic, MD, the Chief Medical Education Officer at the Association of American Medical Colleges (AAMC) as the keynote speaker. In her address, “Ensuring Competence: Authentic Assessment of Learners”, Dr. Gusic provided a review of the existing literature about competency-based assessment. She discussed the use of milestones and entrustable professional activities (EPAs) as measures of learner competence.

In addition to Dr. Gusic’s keynote address, Medical Education Day also featured a poster session, plenary poster presentations, and an awards ceremony and reception.

The Pritzker Pulse is proud to congratulate this year’s inductees into the Academy of Distinguished Medical Educators (ADME). The Academy was founded in 2006 by Dean James Madara, MD, and Holly J. Humphrey, MD’83, to support and promote research, innovation, and scholarship in medical education at the University of Chicago. The Academy is currently led by Halina Brukner, MD, Professor for Medicine and Associate Dean of Medical School Education.

### 2014 Inductees to the Academy of Distinguished Medical Educators

**New Fellows**
- Lolita Alcocer Alkureishi, MD
  - Assistant Professor of Pediatrics
- Brian Callender, MD’04, MA’98
  - Assistant Professor of Medicine
- David Glick, MD’90, MBA’03
  - Professor of Anesthesia & Critical Care
- Wei Wei Lee, MD, MPH
  - Assistant Professor of Medicine
- Alisa McQueen, MD
  - Assistant Professor of Pediatrics
- Amber Pincavage, MD’07
  - Assistant Professor of Medicine
- Ernest Wang, MD
  - Clinical Associate Professor of Emergency Medicine
  - NorthShore University HealthSystem

**New Master**
- H. Barrett Fromme, MD, MHPE
  - Associate Professor of Pediatrics

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**Upper Left:** Poster presentations in the DCAM

**Lower Left:** Halina Brukner, MD; Maryellen E. Gusic, MD; H. Barrett Fromme, MD, MHPE; and Holly J. Humphrey, MD’83.

**Above:** This year’s inductees (from left): H. Barrett Fromme, MD, MHPE; Alisa McQueen, MD; Ernest Wang, MD; Wei Wei Lee, MD, MPH; Brian Callender, MD’04, MA’98; Lolita Alcocer Alkureishi, MD; David Glick, MD’90, MBA’03; Amber Pincavage, MD’07.
Medical Education Day 2014: Plenary Poster Presentation Excerpts

**TRANSITIONS OF CARE AND TRANSITIONING TO TRAINING: TEACHING AND ASSESSING A CORE ENTRUSTABLE PROFESSIONAL ACTIVITY FOR ENTERING RESIDENCY**

Sean Gaffney, MEd, Jeanne Farnan, MD’02, MHPE, Kristen Hirsch, Mike McGinty, Vineet Arora, MD, MAPP’03

In the hospital setting, patient handoffs involve the transfer of patient-care responsibilities from one provider to another. Though essential to quality patient-care, handoffs often lack standardization and have been identified as a vulnerable point in care that is susceptible to error and is a threat to patient safety. Despite the AAMC’s identification of the transfer of patient responsibility as a Core Entrustable Professional Activity for Entering Residency (CEPAER), there are few validated resources to either teach or evaluate patient handoffs in a robust way.

To address this need, we embedded a comprehensive handoff curriculum into the GME Orientation for four core residency programs (Internal Medicine, Pediatrics, OB/GYN, Surgery) at the University of Chicago. The curriculum featured an online training module and an interactive handoff simulation called the Multi-patient Observed Simulated Handoff Experience (MOSHE). Each new resident verbally “handed-off” a set of mock patients and then was evaluated and given feedback by a trained “physician-receiver.”

The study yielded two interesting findings. First, the online training module may have invoked an inflated sense of preparedness among interns, with 88% reporting that they felt “prepared” or “very prepared” to conduct a verbal handoff. After the same group of interns participated in the MOSHE, their self-perception of their own preparedness declined from 88% to 70%.

This suggests that interactive, simulation-based experiences should be strongly considered in any handoff curriculum.

Another promising finding was that prior handoff training and experience in medical school was associated with higher performance scores. The superior performance of interns with prior training and handoff experience highlights the importance of providing medical students with formal handoff training, as well as opportunities to conduct handoffs prior to starting residency.

**ROUNDS IN THE MODERN ERA: A QUALITATIVE STUDY OF INTERNAL MEDICINE AND PEDIATRICS RESIDENT PERCEPTIONS**

Raphael Rabinowitz, BA, Jeanne Farnan, MD’02, MHPE, Oliver Hulland, BFA, BA, Lisa Kearns, MD, MS, Michele Long, MD, Bradley Monash, MD, Priti Bhansali, MD, H. Barrett Fromme, MD, MHPE

Attending rounds are one of the fundamental processes for patient care and clinical education at teaching hospitals. Many previous observational studies have characterized the activities of modern rounds, but there is an absence of studies addressing house staff perceptions of rounds.

To address this gap, we conducted a multi-institutional qualitative study at four teaching hospitals across the country: University of Chicago, Georgetown University, Children’s National Medical Center, and University of California-San Francisco. We convened twenty semi-structured focus groups with interns and senior residents in Internal Medicine and Pediatrics. The study aimed to determine the perceptions of Pediatrics and Internal Medicine residents about the current and ideal purposes of inpatient rounds on hospitalist services, where senior residents often function as medical team leaders.

Our results indicate that Internal Medicine and Pediatrics residents perceive three broad purposes of inpatient rounds: patient care, clinical education, and patient/family involvement. There was greater agreement in frequency of reference to a particular domain by specialty than by training level, and we grouped data accordingly. Though all residents identified patient care as the main purpose of rounds, they indicated that clinical education should be more of a focus on rounds and that patient/family involvement and handoffs should decrease in focus, with issues with family-centered rounds (FCR) and time pressures being implicated in these needs. Discrepancies between current and ideal themes within clinical education indicate that Pediatrics residents desire greater instruction in patient care topics on FCR rounds. We conclude that there is a need for further study of the ideal educational approach to FCR.
The following excerpt is from a recently published article in Medicine on the Midway, the magazine for friends, alumni, and faculty of University of Chicago Medicine, the University of Chicago Division of Biological Sciences, and the Pritzker School of Medicine.

By Brooke E. O’Neill

“Is this really the best way to teach doctors?”

It was 1987 when Holly J. Humphrey, MD’83, then chief medical resident at the University of Chicago, first asked herself that question. Peering at the trainees before her, she felt conflicted. Her intellectual side was more alive than ever, her lectures filled with breakthroughs on cancer therapies and insights into metabolic patterns, but her residents were completely exhausted.

“We would have them sit in these conference rooms at noon, give them lunch and talk at them while most of them were falling asleep,” recalled Humphrey, who had just completed her own residency.

Clearly, there had to be an alternative.

CREATING A NEW MODEL

Since then, Humphrey has made a career of redefining what medical education looks like. As the University of Chicago Pritzker School of Medicine’s dean for medical education, she is one of a few medical leaders in the country who oversee an institution’s entire training continuum, from premed pipelines to medical school, residency and fellowship programs, and continuing education for practicing physicians. It’s an innovative model that takes a holistic view of medical training rooted in experiential learning.

“Medical education at its best is not a theoretical exercise,” said Humphrey, the Ralph W. Gerard Professor in Medicine. “It understands context and is deeply immersed in the trenches and, honestly, in the crevices of our health care system, because that’s where residents and medical students often stand.” It’s here that tricky skills like delivering bad news to a patient, weighing the costs of treatment and transitioning care between physicians are learned, often in trial by fire.

Outside pressures also come into play. When the Accreditation Council for Graduate Medical Education (ACGME) restricted resident duty hours in 2003, the regulation introduced a new challenge: less time for teaching on the wards. The ACGME and the Liaison Committee on Medical Education, which accredits medical schools, have since increased requirements around the level of preparation trainees must have as they advance from one career stage to the next. The result? Medical educators needed to get smarter — and more efficient — about how they were training physicians.

PURSUITING THE IDEAS

At UChicago, these realities have fueled a culture of innovation where leading medical education scholars are piloting new programs, making creative uses of technology and training future researchers. “This is a place where people get really excited about ideas,” Humphrey said.

Thanks to the University’s compact campus and collaborative environment, novel teaching methods tend to cross-pollinate across undergraduate, graduate and continuing medical education, making it “possible to look at medical education not as a series of discrete learning blocks, but more fluidly,” Humphrey said. This approach helps young physicians move more smoothly through their training — and deliver a higher level of patient care throughout.

To accomplish that, educators pay special attention to the transition points between levels. Pritzker’s House Staff Boot Camp, for example, eases the switch from medical student to resident. “You go from student to employee in one day,” said Michael Simon, MD, associate dean for graduate medical education. “That cutoff is disappearing in our institution.”

The intensive weekend boot camp was piloted in medicine, surgery, obstetrics and gynecology, and pediatrics. Standardized patients, who are trained to portray patients in various clinical scenarios, and physicians teach incoming residents what the ACGME deems “entrustable professional activities” — skills they should be ready to use on Day 1, such as doing a patient handoff and obtaining informed consent.

You can read the rest of the article at http://www.uchospitals.edu/news/publications/midway/.
On September 23, medical and health professional students from six different institutions in the Chicago area gathered at the University of Chicago for the inaugural “After the MD: Women at the Forefront” Symposium, held by Pritzker American Medical Women’s Association (AMWA). Sponsored by the Department of Medicine Women’s Committee and Pritzker Dean’s Council, the Symposium offered rising health professionals an opportunity to learn from the experiences and challenges of distinguished women faculty and leaders in the medical field, while meeting and networking with other medical students in the region.

The board members of Pritzker AMWA, MS2s Yuan Liu, Megan Tusken, Margaret Wang and I, were encouraged to hold the conference to give fellow medical students an opportunity to both learn from the successes of local women leaders in medicine, as well as discuss and prepare for the unique obstacles we may face ahead. While we applaud the fact that women comprise approximately 50% of medical students in the United States, this kind of equality does not extend to leadership positions in residency and beyond. Women are still underrepresented in leadership positions clinically, administratively, and academically. Yet with the wisdom and mentorship of current women leaders, we can work to overcome the hurdles and begin to narrow this leadership gap.

With the guidance of Karen Kim, MD, MS, and Helen Te, MD, what had started as an idea transformed into a reality in a matter of a few months. The Symposium day began with breakfast and a Welcome Address by Holly Humphrey, MD’83, followed by our first session: the Women in Leadership Panel, featuring Dr. Humphrey and Karen Wu, MD from the Loyola Stritch School of Medicine. The attendees then broke out into groups for the negotiation workshop led by Dr. Kim and Deborah Burnet, MD’89, MAPP’03. The final session of the Symposium was the Career Paths Panel, featuring Sonia Oyola, MD, Keme Carter, MD, and Yolanda Becker, MD. After having the opportunity to hear from our faculty speakers on topics ranging from personal accounts of their career trajectory and work-life balance, to role-playing real-life negotiation scenarios on the wards, the participants and speakers concluded the day with a networking lunch. There, they had the opportunity to meet with medical students from across the city.

As the attendees proceeded to the lobby for lunch after our final session, one of the participants, Natalie Feldman MS1, approached me and said, “This was definitely one of the best conferences I’ve been to.” Our event survey reflected similar thoughts from other attendees as well, with comments such as “LOVED these doctors’ opinions. They were all excellent speakers and role models,” “Absolutely inspiring,” and “Have this every year.” We are delighted at the success of the symposium, and grateful to all those who were essential to the fruition of this inaugural event. AMWA hopes to continue this newfound tradition of bringing together aspiring women health professionals in the promotion of leadership development.
On Saturday, November 15, over 50 Pritzker students and eight faculty members participated in the Fall Day of Service. Days of Service were started in 2008 by the Pritzker Community Service Fellowship (PCSF) and have become a quarterly tradition that unites students from all class years with faculty to engage in service throughout the South Side.

Although it was a chilly morning, participants quickly warmed up with coffee and conversation about the day ahead. MS1s Victoria Wang and Colleen Kelly shared facts about homelessness in Chicago, which served as a framework for reflection as participants teamed up with their advising societies and headed to their volunteer sites.

The Coggeshall Society went to Su Casa Catholic Worker, a home for displaced Latino families, many of whom are women and children escaping domestic violence. There they helped with a gardening project and spoke with a survivor of domestic violence who is a resident at Su Casa. This was an especially powerful experience for Jennifer Jones, MS4, who shared, “I feel like in my future patient interactions, I will remember her face and story and feel empowered to ask all of my patients if they feel safe at home. She left us with an acronym ‘AVDR’: ‘Ask, Validate, Document, and Refer’ to guide us when interacting with patients whom we suspect have been abused. It’s simple and easy to remember, so hopefully something that we will take with us from this Day of Service into clinical practice.”

The Phemister Society went to Maria Shelter, the location of one of the Pritzker free clinics. Maria Shelter is located in the Englewood community and provides temporary housing for women and children in need. Volunteers enjoyed a morning of reorganizing the donations closet and children’s library to make resources more readily accessible to the residents.

The DeLee Society partnered with RTW Vet Center, an organization in Washington Park that provides services to veterans and other community members in the area. Volunteers spent the morning with the director, Ms. Arnetha, at Operation PUSH, a social justice organization founded by Rev. Jesse Jackson. RTW Vet Center was being honored for its work with the veteran community and Pritzker students provided their support and presence. As Laura Christianson, MS2 and DeLee member shared, “There’s something incredible about showing up without an agenda, ready to do whatever is needed. I loved the Day of Service for helping me and my classmates set aside time to do just that—together.”

The Huggins Society went to the South Chicago Art Center, which provides youth with an accessible, safe place to participate in quality visual arts programs. The Art Center was a community partner of Team South Chicago, led by Rachel Stones, MS2, during the Summer Service Partnership, and it was wonderful to continue the partnership through the Day of Service. The Art Center recently expanded their weekend programming with an eye toward getting more teens involved. Volunteers spent their time canvassing the South Chicago area and spreading the word about the great work and expanded programs at the center.

After a morning of volunteering, participants reunited to share and reflect on their experiences. Kohar Jones, MD, PCSF Advisor and Director of Community Health and Service Learning provided a beautiful summary of the day: “The 2014 PCSF Fall Day of Service and Reflection felt like a booster shot for physician well-being: recommitting to a mission of service while connecting with each other and the community. We gained insight into the social contexts of our patients’ lives, and a deeper understanding of our potential roles and potential missteps in addressing social inequities... This well-being booster builds both a healthier Pritzker and a healthier South Side!”
On Saturday, October 18, Pritzker students from all four classes descended upon Henry Crown Field House to defend the honor of their respective societies in the 8th annual Pritzker Society Field Day. Coming into the day, the Vegas odds had Huggins as the prohibitive favorite, and rightfully so. They were riding a three-year win streak and brought in an impressively athletic crop of first year students this year. With this in mind, Huggins leader Kiara Tulla, MS4 expressed confidence prior to the start of the competition.

“We definitely graduated some talent and will especially be missing the fire that [former Pritzker Chief Sean] Swearingen brought to us last year, but our MS1s look like they’re ready to go and I have been lifting pretty intensely since finishing third year, so I think we’ve got everything we need to bring it home again for Huggins,” she said while leading her squad through some warm-up exercises.

However, right out of the gates, it became clear that there might be some trouble in paradise as DeLee came from the outside lane to win the Relay Race and then followed this victory up with another win in Ultimate Frisbee. With DeLee sitting on a two-point lead, Soccer promised to be a hard fought battle, but DeLee once again pulled through to increase their lead. Also of note from the soccer competition was Phemister’s victory in the consolation game. Given her experience with soccer, Phemister leader Kate Adkins, MS4 seemed unsurprised by the result.

“I have spent a considerable portion of my life to this point watching European soccer and have just been waiting for my opportunity to break into coaching. We ended up putting together a game plan that came up a bit short in the first round, but we feel that we were firing on all cylinders in the second round. All in all, we are really proud of the heart our team showed out there,” she said when tracked down after the game.

Following Soccer, only Basketball and Tug-of-War remained, which meant that a victory for DeLee in Basketball guaranteed them the title. After winning their first round game handily, they advanced to the finals where they were matched up against a talented Coggeshall team. Though the game was close throughout, DeLee held on at the end to win the event and lock up the overall crown. After the game, Coggeshall leader Alisha Ranadive, MS4 seemed happy with the effort her team put forth.

“A couple of times when I went up for layups I really should have just dunked it to send a message, but, all things considered, I think we put up a good fight and I am pleased with the growth our society’s basketball program has shown over the course of my four years here at Pritzker,” she said following the contest.

With the overall title wrapped up, Tug-of-War was a competition for pride and Huggins was sure to defend theirs as they progressed through the double elimination tournament without losing. However, when the dust settled, DeLee took the overall crown with 20.5 points followed by Huggins with 17, Coggeshall with 11, and Phemister with 6.5. All in all, Field Day was a great day of community-building and friendly competition that left students with memories for a lifetime.

“For us to be able to come in here against the odds and pull out the victory in my last year means more than I will ever be able to put in words” DeLee-der Lara Delameter, MS4 said, choking back tears as she walked off towards the sunset and the residency of her choosing.

By Phil the Phoenix*

*Chris Mattson and Karla Garcia-Huerta, MS2s

The four Societies gather to defend their honor

The 2014 Pritzker Society Field Day: DeLee Wins the Title

Phil the Phoenix poses with MS1s Luai Zakaria and Abhinav Reddy

The four Societies gather to defend their honor
During my first few months in medical school, I noticed that religion was rarely discussed. As a Theology minor in college, I knew that religion was an important part of life for many Americans; indeed, nearly 9 in 10 Americans report a belief in some divine or spiritual power, and several studies have shown that organized faith communities can play important roles in promoting healthy behaviors. Topics related to spirituality and religious beliefs arose during the Healthcare Disparities course, but the discussions were only tangential. I had a feeling that students felt uncomfortable discussing such personal topics in the academic setting.

For this reason, I proposed a new student organization for Pritzker: the Spirituality and Medicine Interest Group (SAM). This group aims to create a safe space for discussion of how spirituality/religion affect health care. I thought that this idea fit in perfectly with Pritzker’s commitment to all forms of diversity. Last month, SAM was approved for funding by the Dean’s Council, and I was awarded the Germanacos Fellowship, a $5,000 grant to develop a medical discussion series focused on the intersections between spirituality/religion and medicine. This fellowship was awarded by the Interfaith Youth Core, a Chicago-based nonprofit that aims to make interfaith cooperation a social norm in the United States by promoting inter-religious dialogue and community service.

The discussion seminars will be partially based on a well-known religious literacy curriculum for healthcare workers developed by the Tanenbaum Center for Interreligious Understanding. The Tanenbaum Center is a secular nonprofit organization that designs educational programs focused on bridging religious difference in various settings, including the healthcare field. Health care seems especially conducive to interfaith engagement because the concepts of service and human dignity (values inherent in virtually all faith and non-faith traditions) are always implicit. In addition, physicians are one of the most religiously-diverse populations in the United States, and providers are increasingly recognizing the importance of religious literacy in medical education.

For these reasons, I see a lot of potential for interesting partnerships between SAM and existing interests among Pritzker students. For example, I hope to integrate community health and spirituality in an event featuring Arshiya Baig, MD, an internal medicine physician at the University of Chicago who researches how church-based diabetes interventions can help mitigate health disparities among Latino populations. In addition, a partnership with the Integrative and Complementary Medicine (ICAM) interest group and the Wellness Committee would yield an interesting conversation on the role spirituality/religion plays in healthy activities such as yoga and meditation.

I also want to emphasize that SAM is especially open to students who do not identify with a faith background. The religiously-unaffiliated are a growing population in the United States (especially among Millennials), and as a result, it is vital to include nonreligious perspectives in any conversation around religion/spirituality. In addition, given the religiosity of the United States, I believe it is helpful for all medical students (regardless of their own background) to have some familiarity with conversations related to spirituality in order to better connect with many patients.

One of my visions for my project is to act as a liaison between the Program on Medicine and Religion (PMR) at the University of Chicago and medical students at Pritzker. The PMR consists of various faculty members who conduct research on the intersections between religion, spirituality, ethics, and health care. Thus, SAM discussions will be excellent opportunities to both showcase innovative research being done in this initiative, and to connect Pritzker students with scholarly and service opportunities related to religion and medicine.

I founded SAM because I believe that the interfaith movement’s collaboration with the healthcare world can demonstrate that religion and science can work together rather than in opposition. I am guided by one of my favorite verses from the Quran: “Had God willed, He would have made mankind as a single religion [or community], but [He intended] to test you in what He has given you; so strive with each other for virtue” (5:48). Through SAM, I look forward to hearing my classmates’ opinions on religion/spirituality in health care, and how, despite our differences, we can work together for the common good.

**Student Achievements**

KENNETH BARSHOP, MS3 is first author of a publication titled “The Investigational Drug Camicinal for the Treatment of Gastroparesis” published in *Expert Opinion on Investigational Drugs* this past October. This research was related to S&D work. Kenneth is also first author on a paper titled “Duodenal Rather than Antral Motility Contractile Parameters Correlate with Symptom Severity in Gastroparesis Patients,” published in *Neurogastroenterology and Motility* in December. Both publications were written under the guidance of Dr. David Rubin.

ANYA BERSHAD, MS3 is the recipient of an Achievement Rewards for College Scientists (ARCS) Foundation Scholarship. These awards go to promising graduate and undergraduate students who are pursuing degrees in science, engineering and medical research. Her project investigates interactions between the effects of opioid drugs and responses to social stress. This research is related to work performed under the guidance of Dr. Harriet de Wit.

KIM CLINITE, MS4 is first author of a research article titled “Lifestyle Factors and Primary Care Specialty Selection: Comparing 2012–2013 Graduating and Matriculating Medical Students’ Thoughts on Specialty Lifestyle,” published in *Academic Medicine* this past November. This research was related to work performed under the guidance of Dr. Shalini Reddy. Stephanie Kazantsev, MS4, was also a co-author on this project.

ARJUN DAYAL, MS3 presented two posters recently. The first was titled “3D Modeling and Analysis of the Human Glomerular Capillary Network” during the American Society of Nephrology’s *Kidney Week International Meeting* in Philadelphia, PA this past November. This research was related to work performed under the guidance of Dr. Anthony Chang. His second presented poster was titled “MIDAS: A High Throughput, Open Source Image Analysis Tool” during the *Society for Neuroscience National Meeting* in Washington, DC this past November. Arjun was also co-author on a manuscript titled “Embryonic Overexpression of BDNF in Mouse Lingual Epithelium Disrupts Terminal Field Organization of Nerves that Carry Taste Information to the Nucleus of the Solitary Tract” in press in the *Journal of Neuroscience*. These projects were related to research conducted in collaboration with Dr. David Hill at the University of Virginia.

CHRISTINE FENG, MS3 is first author of a research article titled “An Image-Guided Study of Setup Reproducibility of Postmastectomy Breast Cancer Patients Treated With Inverse- Planned Intensity Modulated Radiation Therapy,” published in the *International Journal of Radiation Oncology, Biology, Physics* this past September. This research was related to work performed under the guidance of Dr. Hania Al-Hallaq and Dr. Yasmin Hasan.

SEAN GAFFNEY, Med, MS2 presented his digital poster titled “Transitions of Care and Transitioning to Training: Teaching and Assessing a Core Entrustable Professional Activity for Entering Residency” during the *Learn Serve Lead 2014 – AAMC Annual Meeting* in Chicago, IL this past November. He also presented it as a plenary poster during *Medical Education Day 2014* at the University of Chicago. This research was related to SRP and S&D work performed under the guidance of Dr. Vineet Arora and Dr. Jeanne Farnan.

SCOTT GOLDBERG, MS3 is a co-author of a research article titled “A Randomized Study of Contingency Management and Spirometric Lung Age for Motivating Smoking Cessation Among Injection Drug Users” published in *BMC Public Health* this past July. This research was related to work performed prior to medical school at the Johns Hopkins School of Public Health. He also authored an editorial in the December 23, 2014 issue of the *Chicago Sun-Times* titled, “As Aspiring Doctors, We See the Racial Toll of Poor Health Insurance.”
HONORS AND AWARDS

AAMIR HUSSAIN, MS1 is the recipient of a Germanacos Fellowship granted by the Interfaith Youth Core, a nonprofit organization in Chicago committed to promoting interfaith cooperation in America. This fellowship will assist in designing an initiative that addresses an important issue in the community while incorporating inter-religious dialogue or action. He will use the fellowship funding to design a longitudinal discussion and medical education series focused on the interactions between religion and medicine. Topics discussed may include end-of-life care, reproductive health, and cultural competency around religious practices. This research is related to work performed under the guidance of Dr. Jeanne Farnan and Dr. Daniel Sulmasy. Please see Aamir’s article on page 10 for more information.

CHAD HOCHBERG, MS4 presented his poster titled “Case Vignette: Tip of the Iceberg: TTP as the Initial Event in SLE” during the Northern Illinois ACP Resident and Medical Student Day in Chicago, IL this past October. Chad was awarded Best Medical Student Poster for this presentation. This research was related to work performed under the guidance of Dr. Elizabeth Paesch. Chad was also the recipient of a Community Engagement Award from Pathfinders for his work with Doctors for America. Pathfinders is a local organization that works on HIV prevention on Chicago’s South Side. Chad recently gave a series of presentations at local churches and community centers about the new healthcare reforms. This work was performed under the guidance of Dr. Ram Krishnamoorthi.

CARRIE KUHN, MS3 is co-author of a publication titled “Impact of a Theory-Based Video on Initiation of Long-Acting Reversible Contraception After Abortion” published in the American Journal of Obstetrics and Gynecology this past September. This research was related to SRP work performed under the guidance of Dr. Melissa Gilliam.

LAUREN HOBBS, MS3 presented her poster titled “Medical Career Choice in China: A View from Wuhan University” during the Family Medicine Midwest Conference 2014 in Minneapolis, MN this past October. This research was related to S&D work performed under the guidance of Dr. Mari Egan.

MOHAMMED HUSSAIN, MS3 presented his poster titled “Analyses of 22,833 Orthopaedic Surgeons’ Scores from 2 Major Physician-Rating Websites” during the Medicine 2.0: Social Media, Mobile Apps, and Internet/Web 2.0 in Health, Medicine and Biomedical Research Conference in Maui, HI this past November. This research was related to S&D work performed under the guidance of Dr. Lewis Shi. Mohammed also presented his poster titled “The effect of patient characteristics on patient-reported outcomes (PROs) following cervical spine surgery” during the Congress of Neurological Surgeons 2014 Annual Meeting in Boston, MA this past October. He was also a coauthor on two posters, “Age does not affect patients’ perceived outcome of surgery for degenerative spine disease” and “Patient perception of outcome and satisfaction with care correlate with loss to follow up in a prospective spinal degenerative disease registry.” These three projects were extensions of his SRP work conducted under the guidance of Dr. Ben Roitberg and Dr. Sandi Lam.

SUJAY KULSHRESTHA, MS2 is the recipient of a Looking to the Future Medical Student Scholarship granted by the Society of Thoracic Surgeons (STS). This scholarship also includes complimentary registration for the STS 51st Annual Meeting and STS/AATS TechCon 2015 in San Diego, CA in January. Sujay was selected from an applicant pool of qualified general surgery residents and medical students training in the U.S. or Canada who are considering, but not yet committed to, a career in cardiothoracic surgery.

SUKI KUHN, MS3 is the recipient of a Looking to the Future Medical Student Scholarship granted by the Society of Thoracic Surgeons (STS). This scholarship also includes complimentary registration for the STS 51st Annual Meeting and STS/AATS TechCon 2015 in San Diego, CA in January. Sujay was selected from an applicant pool of qualified general surgery residents and medical students training in the U.S. or Canada who are considering, but not yet committed to, a career in cardiothoracic surgery.
YIMO LIN, MS4 is first author of two research articles, the first titled “Trends in Outcomes, Complications, and Hospitalization Costs for Hemispherectomy in the US for Years 2000-2009” published in Epilepsia, and the second titled “Treatment of Pediatric Spinal Grade II Ependymoma: A Population-Based Analysis” published in the Journal of Neurosurgery: Pediatrics, both this past September. This research was related to work performed under the guidance of Dr. Sandi Lam.

ALLISON LOUIS, MS3 presented her poster titled “Is There an Easier Way?: Evaluating The Utility Of Health Literacy Assessment Tools in a Hospitalized Population” during the Boston University Medical Campus 6th Annual Health Literacy Research Conference in Bethesda, MD this past November. This research was related to SRP and S&D work performed under the guidance of Dr. Valerie Press.

JOSE MORALES, MS3 is first author of a research article titled “Refinement of the Retinogeniculate Synapse by Bouton Clustering” published in Neuron this past October. This research demonstrates that bouton redistribution and aggregation along a terminal axon arbor correlates with synaptic refinement during critical periods of development at the retinogeniculate synapse, and is relevant to understanding how activity and experience dependent plasticity occurs and might malfunction in development (such as in autism). This research was related to work performed under the guidance of Dr. Chinfei Chen.

PRITHVI MURTHY, MS3 presented two posters, the first titled “Open Versus Robotic-Assisted Laparoscopic Augmentation Ileocystoplasty and Mitrofanoff Appendicovesicostomy (RALIMA) in Children” and the second titled “An Evaluation of Robotic-assisted Laparoscopic and Open Pyeloplasty in Children: A Single Surgeon Experience” during the 88th Annual Meeting of the North Central Section of the American Urological Association in Chicago, IL this past September. The second presentation was also published with Prithvi as first author under the same title in the Annals of the Royal College of Surgeons of England this past September. Prithvi was also first author on a review article titled “Robotic Approaches to Augmentation Cystoplasty: Ready for Prime Time?” published in Current Bladder Dysfunction Reports this past September. These research projects were all related to work performed under the guidance of Dr. Mohan Gundeti.

JULIA BROWNELL NATH, MS1 is a co-author of a research letter titled “Emergency Department (ED) Visits by Children, Adolescents, and Young Adults in California by Insurance Status, 2005-2010” published in JAMA this past October. The work follows up a previous JAMA research letter, “Trends in Adult Emergency Department Visits in California by Insurance Status, 2005-2010,” published in JAMA in September 2013. Collectively, the two reports document the trends in ED use in California by insurance status to show changes in the population served by the acute care system, and point to the differences in those trends between children and adults. These reports are descriptive and intended to document the changing population served by emergency medicine, prompting discussion of how best to organize, fund, and regulate this unique part of the healthcare system. This research was related to work performed prior to Julie’s matriculation under the guidance of Dr. Renee Y. Hsia at University of California-San Francisco.
HONORS AND AWARDS

MANAS NIGAM, MS4 presented his digital poster/short oral presentation titled “Room for Socratic Style in Medical School? An Evaluation of a Novel Interdisciplinary Seminar Series on Big Ideas and Current Issues in Health Care” during the Generalists in Medical Education 2014 Conference in Chicago, IL this past November. This research was related to S&D work performed under the guidance of Dr. Brian Callender. Jennifer Ghandhi, MS4, Joanna Perdomo, MS4, Ashoke Khanwalkar, MS4, and David Geose, MS4 were also co-authors on this project.

JONATHAN OSKVAREK, MS2 delivered a presentation titled “Medical Student Knowledge of Oncology and Related Disciplines: A Targeted Needs Assessment” during the International Cancer Education Conference in Clearwater Beach, FL this past October. This research was related to previous work performed under the guidance of Dr. Daniel Golden. Jonathan also delivered an oral presentation with Dr. Golden titled “Interdisciplinary oncology education: A targeted needs assessment” during the Research and Innovations in Medical Education Conference (RIME) at the University of Chicago Medicine this past December.

NITA PADAVAL, MS3 presented her poster titled “Alterations in Vaginal Pain Sensitivity in Women with Dyspareunia Independent of Psychological Factors” during the Sexual Medicine Society of North America (SMSNA) 20th Annual Fall Scientific Meeting in Miami, FL this past November. This research was related to her SRP and S&D work performed under the guidance of Dr. Kevin Hellman.

LINDSAY POSTON, MS3 presented her poster titled “Exploring the Relationship Between Patient Activation and Reproductive Health Behaviors” during the North American Primary Care Research Group (NAPCRG) Annual Meeting in New York City, NY this past November. This research was related to her S&D work performed under the guidance of Dr. Debbie Stulberg.

LIESE PRUITT, MS4 presented her poster titled “A Breast Cancer Knowledge Assessment of Health Workers in Ibadan, Southwest Nigeria” during the American College of Surgeons Clinical Conference 2014 in San Francisco, CA this past October. This research was related to S&D research performed under the guidance of Dr. Olufunmilayo Olopade.

JANE RIVAS, MS2 presented her poster titled “Developing a Model for Medical Students to Establish and Sustain a Reach Out and Read (ROR) Program” during the 2014 Illinois Chapter of the American Academy of Pediatrics (ICAAP) Annual Conference in Lisle, IL this past September. This research was related to work performed under the guidance of Dr. Nanah Park. Raj Bhanvadia, MS2, Elizabeth Donnelly, MS2, Sean Gaffney, MS2, Nick Graves, MS2, Moe Idowu, MS2, and Jack Weick, MS2, were co-authors on this project.

TALIA SHEAR, MS3 is first author of a research article titled “Risk of Sleep Apnea in Hospitalized Older Patients” published in American Academy of Sleep Medicine this past September. This research was related to her S&D work performed under the guidance of Dr. Vineet Arora.

VICTORIA THOMAS, RN, MS2 is the recipient of the 2014-2015 Charles M. Ross Trust Scholarship. This award is granted to a student nominee who has achieved academic excellence and is committed to world service.
ASHLEY TSANG, MS3 presented her poster titled “Overdose Prevention at Cook County Jail: A Pilot Program” during the 10th Annual National Harm Reduction Conference in Baltimore, MD this past October. This research was related to S&D work performed under the guidance of Dr. John Schneider.

ADAM WEINER, MS3 presented his poster titled “Pathologic Outcomes for Low-Risk Prostate Cancer After Delayed Radical Prostatectomy in the United States” during the Society of Urologic Oncology (SUO) 15th Annual Meeting in Bethesda, MD this past December. Adam also delivered two oral presentations, the first titled “Delaying Radical Prostatectomy Does Not Increase Risk of Adverse Pathological Outcomes Among Men with Low-Risk Prostate Cancer” and the second titled “Population-Based Analysis of Treatment Modalities and Survival for Localized Small-Cell Carcinoma of the Prostate” at the 88th Annual Meeting of the North Central Section of the American Urological Association in Chicago, IL this past September. This research was related to work performed under the guidance of Dr. Scott Eggener.

JACOB YOUNG, MS2 is co-author of a research paper titled “Caudate Asymmetry is Related to Attentional Impulsivity and an Objective Measure of ADHD-like Attentional Problems in Healthy Adults” published in Brain Structure and Function this past October. This project was related to research completed prior to matriculation to Pritzker.

Submit your honors and awards for the next issue of the Pulse at http://pritzker.uchicago.edu/about/news/achievement/students/

Congratulations to MS2s Elizabeth Donnelly and Sean Gaffney, MEd, on winning Medical Student Volunteers of the Year awards from Community Health Clinic (CHC)!

CHC is a free clinic for uninsured individuals on Chicago’s West Side, where Pritzker medical student volunteers perform a range of jobs, including language interpretation, lab work, taking histories, and more.
Welcome to those who have joined the Pritzker family!

Congratulations!

Kimberly Clinite, MS4, and David Schlesinger on the birth of Tobin Schlesinger on December 15, 2014

Emily Stockert, MBA’10, MS4, and Jack Stockert, MBA’10, MD’10, on the birth of Juniper Stockert on December 22, 2014

Photos of Tobin and Juniper will be included in our Spring issue.

Richard Schroeder, MS4, and Mariel Lee on August 30, 2014 in Fort Wayne, IN

The Pritzker Pulse is a quarterly publication of the University of Chicago Pritzker School of Medicine. Editing and Layout: Rebecca Silverman. 924 East 57th Street, Chicago, Illinois 60637 (773) 702-3333 | rsilverman@bsd.uchicago.edu http://pritzker.bsd.uchicago.edu

The Pritzker Pulse, Winter 2015

Calendar of Upcoming Events

JANUARY
20 MS4 Class Meeting
27 State of the School Address
28 MS2 Class Meeting
30 MS1 Winter Symposium & Talent Show

FEBRUARY
3 Gold Humanism Honor Society Induction
6 Beat the Blues
21 Pritzker Formal

MARCH
6 All-School Talent Show
10 Alpha Omega Alpha Honor Medical Society Induction
20 Match Day

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