

June 30, 2016

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Director's Corner

Marjorie Lee White, MD, MPPM,
MA

June was a month filled with partnerships and preparation. OIPS has been active in all of our focus areas: translational training, interprofessionalism, innovation and patient safety. We again hosted the Center for Medical Simulation's Institute for Medical Simulation and have 21 newly minted, interprofessional experts

NIEHS Deep South Biosafety Worker Training Program

Marjorie Lee White, MD, MPPM, MA

Lisa McCormick, PhD and Marjorie Lee White, MD will serve as Co-Principle Investigators for a new National Institute for Environmental Health Sciences (NIEHS) Ebola Biosafety and Infectious Disease Response Training Grant. UAB's Schools of Medicine and Public Health will develop the Deep South Biosafety Training Program. Also investigators on the grant are the School of Nursing's Erica Pryor, PhD, RN and the School of Medicine's Sarah Nafziger, MD and Dawn Taylor Peterson, PhD. OIPS team member, Andres Viles, RN, MA will play a key role in the development of the training.

in simulation with whom we are looking to partner to develop additional simulation experiences for all our target audiences. We've started work on our new NIH grant building on the Ebola training our team has done since October 2014. We've been deeply involved in changing the way practitioners who place central lines are trained and are prepared for new interns who start in July. This is a key component of our patient safety and quality focus.

In addition, many members of our team have been at work on their own professional development -- presenting at conferences, attaining new skills and working on providing new services for you! Please read more about all of this below.

In addition to personnel at UAB, the new program will partner with University of Mississippi's Medical Center and with the Alabama Fire College. To read more about the grant, please click [here](#).



Announcements

New Comprehensive Healthcare Simulation: Pediatrics book released

Congratulations to Nancy Tofil, MD, Dawn Taylor Peterson, PhD, and Marjorie Lee White MD, MPPM, MA, for their contributions to the recently released book, "Comprehensive Healthcare Simulation: Pediatrics" **Grant, Vincent J., Cheng, Adam (Eds.)**

New Certifications

Congratulations to Jamey Hammock on his recently awarded OIPS Sim Apprentice 1 & Sim Apprentice 2 certification. To learn more about the OIPS Certification Plan®, click [here](#).

SOM Internal Medicine Clerkship Procedural Training Experience

Win Williams, MD



Third year medical students rotating on their core Internal Medicine clerkship are now participating in a new procedural simulation session as part of a four-week simulation curriculum. This session was developed to both provide experience placing peripheral intravenous lines and to familiarize students with the use of ultrasound, which is now standard of practice for many procedures performed in internal medicine.

In this session, students are introduced as a group to the basic functions of an ultrasound with a demonstration before dividing into small groups to gain hands-on experience. Students cycle through a progressive format of ultrasound practice by examining each other's peripheral vessels and using a Vimedix model to review basic anatomy. A second station uses manikins to practice placing peripheral IV lines, where students work closely with procedural simulationist Lisa Bagby, who is instrumental in the success of the session as a whole. The final station allows students the opportunity to access a central vein using ultrasound guidance. This session has been a valuable addition to the simulation curriculum and well received by all those who have attended.

Institute for Medical Simulation at UAB

Dawn Taylor Peterson, PhD

UAB hosted the Institute for Medical Simulation: Simulation as a Teaching Tool course June 7 - 10 in the Center for Patient Safety and Advanced Medical Simulation in Quarterback Tower. The Center for Medical Simulation (CMS), located in Boston, Massachusetts, provides this course throughout the year at qualified facilities for simulation educators who seek to create high-quality healthcare simulation programs. The June course was the third time OIPS has hosted faculty from CMS, several of whom have faculty affiliations with Harvard University. The content for the course draws from the disciplines of aviation, healthcare, psychology, experiential learning, and organizational behavior. Participants explore simulation-based teaching methods applicable across the healthcare education spectrum, including undergraduate and graduate medical, nursing and allied health domains. Participants in the June course came from the schools of nursing, health professions, medicine, and optometry. Health system providers from nursing, critical care, emergency medicine, pharmacy, respiratory therapy, surgery, and pastoral care also attended the course. Course participants were selected by OIPS in collaboration with participant stakeholders in order to provide a broad representation of newly trained simulationists who can contribute to quality interprofessional experiences throughout the UAB enterprise.



Active Shooter Simulation Exercise

Bill Mayfield, RN; Emergency Preparedness Coordinator

Sarah M. Nafziger, MD; Associate Professor, Departments of Emergency Medicine, SOM and Director of the Office of EMS



What would you do if you encountered an active shooter situation on your unit? On June 23, UAB Emergency Medicine physicians, staff and police had a first-hand opportunity to practice how they would respond to an active shooter threat. The purpose of the exercise was to provide participants an opportunity to experience and take protective measures to a "shots fired" situation in a controlled and safe environment. An actor portraying the "shooter" burst into the simulated patient care area (Simulation Center) yelling and firing simulated shots, while participants quickly practiced the basic concepts of "run, hide, and fight."

Feedback from participants after the exercise was overwhelmingly positive. Dr. William Ferguson, Assistant Professor of Emergency Medicine served as a drill evaluator and stated, "This drill really helped us think about how we would react to this type of situation. I believe that all of our colleagues definitely feel better prepared after this experience."

The simulation was concurrently structured to meet Homeland Security Exercise and Evaluation Program (HSEEP) standards for a "drill" level operational exercise. An exercise plan (ExPlan), controller/evaluator handbook, master scenario events list (MSEL), exercise evaluation guide (EEG) and other related documents were developed to support the planning and execution of the simulation. Special thanks to all of the representatives from the Emergency Medicine Residency Program, the UAB Police Department, the Emergency Department, the Office of Interprofessional Simulation, Hospital Safety, Pastoral Care, and Health System Emergency Management who participated on the control and evaluation team. This exercise was designed and implemented by Dr. Christopher White, a June 2016 graduate of the UAB Emergency Medicine residency program and William Mayfield, UAB Emergency Management Program Coordinator.

UAB CVL Procedural Skills Facilitator Course

Lisa Bagby, MSN, RN

In the last month, as a part of UAB's effort to improve quality and safety for our patients who receive a central line, 25 physician faculty and fellows from multiple disciplines completed a procedural skills facilitator course offered by OIPS. The course included exposure to the didactic content presented to the trainees, familiarization with the procedural checklist developed by the CVL Training Task Force, the procedural skills acquisition framework used in simulation curriculum development, adult learning theory, the latest research related to acquisition of procedural skills, feedback and coaching instruction, and a model CVL insertion simulation training session. These physicians will facilitate intern training sessions with the goal of assisting the interns to meet a minimum safety standard prior to engaging in supervised insertion of central lines in the clinical environment.



Center for Psychiatric Medicine Simulations

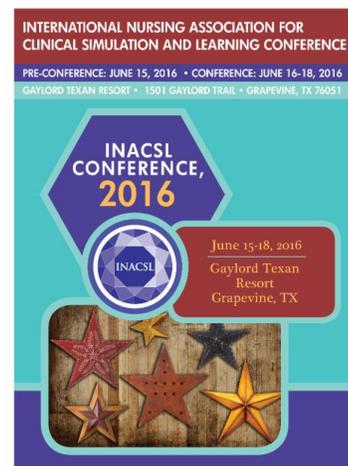
Caroline Stewart, MSN, RN

On May 23, the Center for Psychiatric Medicine (CPM) and the Office of Interprofessional Simulation (OIPS) teamed up to pilot the first ever psychiatric simulation with aggressive patients using rapid cycle deliberate practice (RCDP) simulation technique. The sim consisted of two scenarios, focusing on verbal de-escalation and the other physical maneuvers/holds restraint that are taught by CPM staff for management of aggressive or violent patients. Three participants from multiple levels of CPM nursing staff volunteered to participate in the simulation that ran about 2 hours. Staff agreed the simulation seemed real although it was conducted in the sim lab. Participants also expressed that this simulation is much needed and definitely would like to see the sim implemented on the unit. The pilot was successful and is now in the approval phase to implement the sim for CPM staff.

International Nursing Association for Clinical Simulation & Learning Conference

Dawn Taylor Peterson, PhD

The 2016 International Nursing Association for Clinical Simulation and Learning Conference (INACSL) was held in Dallas, Texas June 16 - 18. The conference served as a learning platform for over 800 attendees offering concurrent educational sessions and plenary speakers from the United States, Australia, and England. Penni Watts, PhD, RN, CHSE-A and Kelly Dailey, MSN, RN presented on behalf of the UAB School of Nursing. Dr. Watts also serves on the INACSL Nominations Committee and Program Committee. Dawn Taylor Peterson, PhD presented on behalf of OIPS and the UAB School of Medicine. The group presented on the implementation and delivery of interprofessional simulation as well as the SimUAB™ Faculty Development Plan. Dr. Watts and Dr. Peterson also facilitated a poster session on the successful implementation of simulation into the curriculum of the schools of nursing and medicine at UAB.



Innovation Grant Awarded for OIPS / Office of Patient Experience Collaboration

Lisa Bagby, MSN, RN



In response to a request from the Patient and Family Council, a task force was formed to explore the possibility of operationalizing the process of providing patients with an audio recording of key elements of their discharge instructions on their personal device. The interprofessional and multidisciplinary task force, led by the Office of Patient Experience, drafted a policy to guide the process and plans are underway to pilot the process on one medical and one surgical floor to evaluate efficacy prior to full-scale implementation.

OIPS was asked to partner with the task force to help create the education and implementation plan for the pilot of this initiative. An Innovation Grant was applied for and awarded to cover the costs of the pilot. The

education plan includes the creation of a computer based training module as well as in-situ standardized patient simulation for the staff on the pilot units. The pilot is set to begin later this summer. Efficacy of the pilot will be evaluated prior to full-scale implementation of the process.

Professional Development at the Center for Medical Simulation's Advanced Instructor Course

April Belle, MSN, RN

The Advanced Instructor Course (AIC) in Healthcare Simulation is offered by the Center for Medical Simulation (CMS) in Boston, Massachusetts. Affiliated with Harvard University, CMS is a premier leader in the world of healthcare simulation. Hundreds of simulation facilitators have been trained in courses offered by CMS and its international faculty instructors. Recently, April Belle was selected as a participant in the AIC. Only 28 participants are allowed in the course each year out of an international pool of applicants.

This 4-day course is designed to help leaders in simulation-based education hone their debriefing and feedback skills as well as develop and enhance simulation facilitator development and strategic management of simulation programs. This course begins with online pre-work assignments three months prior to the actual course offering. Participants are placed into small groups to work through different peer and mentor-led exercises. Topics included:



- Frameworks for structuring faculty development in simulation
- Advanced debriefing techniques, including debriefing the debriefer
- Preventing and managing difficult debriefing situations
- Understanding and managing realism and fidelity in scenario development
- Using debriefing assessment to structure feedback or summative assessment
- Advanced conversational techniques for steering debriefings
- Strategic management of simulation initiatives in healthcare
- Advanced topics in scenario development e.g. medical error, delivering bad news, ethical problems, death of a patient, faculty development scenarios

The AIC provides an opportunity for active and reflective learning experiences pertaining to the individual instructional and managerial styles of the learners. As a graduate of the AIC, April Belle continues to contribute to the community of simulation through her work at UAB.

References: <https://harvardmedsim.org/ims-advanced-instructor-course.php>

OIPS Welcomes New TeamSTEPPS® Master Trainers

Charlie Prince, GC-HQS, BA



OIPS would like to extend congratulations to Dr. Sandy Frazier, Dr. Summer Langston, Dr. Marjorie Lee White, Michelle Brown, and Charlie Prince for completing the TeamSTEPPS 2.0 Online Master Trainer Course. These individuals comprised a team for the spring 2016 cohort of this training course. After completing eleven online modules and several videos, the team participated in a two-hour teachback session in which the team taught five of the beginning modules of the TeamSTEPPS framework to Dr. Brigetta Craft, from the [AHRQ's TeamSTEPPS course](#).

TeamSTEPPS, which stands for Team Strategies and Tools to Enhance Performance and Patient Safety, is an evidence-based set of teamwork tools, aimed at optimizing patient outcomes by improving communication and teamwork skills among health care professionals. TeamSTEPPS is utilized in hospitals and academic medical centers all around the country to standardize communication, to provide tools to support teams and teamwork, and to create and foster a culture of safety.

These new graduates join ranks with existing TeamSTEPPS Master Trainers within OIPS- Dr. Dawn Taylor Peterson, April Belle, and Lisa Bagby. All of the OIPS Master Trainers look forward to continuing to implement TeamSTEPPS tools and strategies into future simulations and the UAB

Volker Hall Simulation Sandbox Audio/Video

Tyler Burks, Clinical Simulation Specialist

The OIPS team's Volker Hall Simulation Sandbox has many new audiovisual enhancements. With the help of YouTube.com's live feature, we can stream a 1080p feed of simulations taking place in room #1. Those who are directing or observing from our control booths will also notice the addition of a mirror of the patient monitor that our learners look at during the simulation. This allows for the director to know the vitals are where they need to be during that point in the simulation. It also allows for the observing groups to see what vitals are causing a reaction in the other learners. This keeps them engaged in the simulation and encourages them to come up with their own solutions based on the available information. While we have always been able to record our simulations and debriefings, we can now record all four rooms at the same time without the need for additional staff. The new camera system includes 8 cameras and 8 microphones. This means a huge increase in efficiency. We still have the option of capturing more close up footage with our Go Pro cameras, but if a battery dies or a memory card goes bad, we still have the footage from our camera system to use. Lastly, we have installed a voice transformer in the four simulation rooms. Now one Simulation Specialist can voice both males and females. The Volker Hall Simulation Sandbox capabilities continue to grow. We hope to see you there. This camera system was partially supported by funds from a grant secured by the SON's Professor Jacqueline Moss, PhD, RN from the UAB Center for Teaching and Learning. The grant funded research examined enhancing student team communication during clinical simulation and simulation debriefing.



OIPS Team Member Highlight - Brad Bertke



Brad Bertke is the Program Coordinator for the Office of Interprofessional Simulation. Brad has been involved with simulation as a student worker since April 2014 but recently joined the OIPS team at the beginning of January. He is originally from Madison, AL and graduated from UAB's School of Health Professions with his Bachelor of Science in Healthcare Management in December 2015. Brad's responsibilities include scheduling all simulation events and activities and data tracking of all events and activities. Brad enjoys drawing and painting, playing guitar, and watching college basketball. Brad's parents still reside in Madison, AL

and he also has a sister that lives in Chelsea, AL. His favorite food is steak, and his latest book he read was "The Lost Symbol" by Dan Brown. Brad's favorite blog is Kentucky Sports Radio, and he can be found on Facebook.

UAB Hospital Volunteer - Rahul Parikh

My name is Rahul Parikh, and I am a rising junior at Vestavia Hills High School. For the past month, I have volunteered with the Office of Interprofessional Simulation. I have volunteered with the UAB Hospital for 2 years; I volunteered at HSIS for my first year and found this volunteer position through online research, and I could not have chosen a better place to volunteer! Cardyn Mathews, the Volunteer Services Director, matched my interests to a position at the UAB Hospital, and I was placed in the Office of Interprofessional Simulation. The knowledge that I have gained as a result of this volunteer experience has been great. During the



time that I have volunteered here, I have watched simulations of real-life events, and I have seen the inner-workings that contribute to a simulation's fidelity. Also, I have helped with many of the behind-the-scenes paperwork and data entry that come with each simulation. I look forward to my future endeavors with UAB and the UAB Hospital, and I especially enjoyed my time at the Office of Interprofessional Simulation.

Upcoming Events

July 9, 2016	<u>MOCA Course</u>
July 11, 12, 14, 2016	Shock Week
July 20, 2016	<u>DASH© Series</u>
July, 21, 22, 2016	ICU IPE
July 25, 2016	<u>Rapid Cycle Deliberate Practice Facilitator Course</u>
July 26, 2016	<u>Sim 2</u>

For more Facilitator Development Opportunities visit
<https://www.uab.edu/simulation/development-opportunities>



Top Rows (left to right): Marjorie Lee White (Director), Charlie Prince (Director of Operations), Brandon Smith (Clinical Simulation Specialist), April Belle (Director of In Situ Simulations), Brian Mezzell (Program Administrator II), Lisa Bagby (Director of Procedural Simulations), Brad Bertke (Program Coordinator I), Kelly Markham (Administrative Associate), David Mathews (Clinical Simulation Equipment Technician), Betty Farley (Program Director III)

Seated (left to right): Tyler Burks (Clinical Simulation Specialist), Shilpa Register (Researcher V), Dawn Taylor Peterson (Director, Faculty Development & Training), Erin Blanchard (Simulation Educator Senior), Andres Viles (Simulation Coordinator Senior),

For more information, please visit us on the web at <http://www.uab.edu/simulation>

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