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Director's Corner

Marjorie Lee White, MD, MPPM, MA

This newsletter highlights the activity of the Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS). OIPS is a joint venture between the UAB Health System and UAB's health schools. Our vision is to dramatically improve learning, patient outcomes and efficiency at UAB and become an international leader in applying simulation to education, training, patient care delivery and research.

Care Transition Simulations

Emily Simmons, MSN, RN-BC, CNL



During the month of September, approximately 70

We are PARTNERS in providing innovative simulation activity for UAB Medicine and health professional students (see stories on Care Transitions, Center for Psychiatric Medicine In Situ, and Poverty Simulations).

We are PROPONENTS for expanding simulation's community of practice (see stories on OIPS research, UAB Leadership, and the Trauma Symposium).

We are PASSIONATE about UAB becoming a leader in healthcare simulation and providing our learners with the newest technology. Our team is committed to learning about new research practices (see stories on the NEXUS summit and OtoSim trainer.)

Please let me know how I can help you become our partner in improving the care for PATIENTS.

Care Coordinators and Social Workers from the Care Transitions Department participated in inter-professional simulations that focused on Functional Assessment and Palliative Care. The UAB team members involved in the creation and/or facilitation of the simulations included Kellie Flood, MD, Andres, Viles, MSN, RN, CCNS, Emily Simmons, MSN, RN-BC, CNL, David James, DNP, RN-BC, CCNS, Shari Biswal, MSN, RN, PCCN, CNL, Laural Myers, MSW, LCSW, CCM, ACM, Jackie Palmore, BSN, RN, CHPN, and Stephen Howell, ANP-BC, ACHPN.

The main purposes of these simulations were: 1) to increase staff understanding of how to use baseline and current functional assessment results in transition of care planning; 2) to recognize patients that would benefit from palliative care; 3) to identify communication strategies to utilize when making Palliative Care recommendations to physicians, and 4) collaboratively develop an appropriate care transition plan for the patients. The participants' feedback on the evaluations from the simulations have been positive. They were very appreciative to be able to practice these concepts in a simulated environment so they could increase their comfort level with these skills.

Poverty Simulations

Dawn Taylor Peterson, PhD



During the 2016 - 2017 academic year, OIPS will continue to partner with faculty from the Schools of Nursing, Medicine, Health Professions, Dentistry, Optometry, Public Health, Honors College, and the College of Arts and Sciences to offer Poverty Simulations to undergraduate and graduate students across the campus. The Poverty Simulation originated in Missouri with the Missouri Association for Community Action. Each simulation can accommodate 80 students who are divided into pre-determined families with the goal of making it through a month of working and paying bills while facing the challenges of a low income family.

In 2015-2016, over 600 students attended 9 sessions of the Poverty Simulation. This year we have increased the number of simulations per semester in order to accommodate increased interest by students and faculty. A total of 12 Poverty Simulations will be held during the 2016-2017 academic year. Currently, OIPS has trained 41 faculty and staff from across the university and the UAB Health System to facilitate small group debriefings for these simulations. Please contact Dawn Taylor Peterson, PhD at dtpeterson@uab.edu for more information on how to get your students involved in the Poverty Simulations.

Leadership UAB Simulation Experience

Charlie Prince



Leadership UAB is a dynamic group of 35 business and community leaders, ages 25 to 35, who are selected because of their leadership abilities and community-mindedness. At events throughout the year, members network with other young professionals and community volunteers as well as members of our own UAB leadership team to learn more about the exciting research, medical, educational, and entrepreneurial activities taking place at UAB. Through their participation in Leadership UAB, members learn more about UAB's role in the community and have the opportunity to become actively involved in aspects of

the University that they find interesting. OIPS was asked to partner with Leadership UAB again, to host simulation-based activities for this cohort. Leadership UAB participants came to the Center for Patient Safety & Advanced Medical Simulation (QBT3) to receive hands-on training as many of our students and hospital staff do. These participants were prebriefed about who we are, what we do, and why we do it, as well as an overview of clinical simulation. Then participants broke out into small group activities where they learned basic CPR skills and how to work an AED, the fundamentals of procedural simulation via learning to suture on bananas, and also an exciting experience of delivering a simulated baby via our birthing manikin.

The event was well received again, and OIPS was thrilled to have given a glimpse of the use of simulation as a teaching tool to these dynamic community leaders. OIPS would like to thank Kelly Dailey, School of Nursing faculty contributing service hours, for helping put on the event, as well as Melissa Donaldson and the rest of the Leadership UAB organizers for inviting us to be a part of the learning experience.

Quality & Safety TeamSTEPPS® Training

Dawn Taylor Peterson, PhD



Several members of the OIPS team who are TeamSTEPPS® Master Trainers presented at the 2016 Ambulatory & Inpatient Quality Retreat on Thursday, September 15th. The presentation was on the use of specific TeamSTEPPS® strategies to improve team communication and patient safety. Immediately following the presentation, attendees were invited to participate in a small group activity on the use of TeamSTEPPS® communication tools. Small groups were assigned to the helium stick challenge and given the task of using at least two of the communication tools during the activity. Small group debriefings were held throughout the activity, and the whole group debriefed together at the conclusion. Attendees were able to experience the benefits of utilizing TeamSTEPPS in their daily activities.

If you would like to learn more about TeamSTEPPS® check out the AHRQ website: <http://www.ahrq.gov/teamstepps/index.html>.

September Research Highlights

Shilpa Register, PhD, MS, OD

September was a busy month for OIPS researchers. In addition to four posters presented at the Research and Innovations in Medical Education (RIME), we were thrilled to learn that our workshops and our panel presentations were accepted to the 2017 International Meeting on Simulation in Healthcare Conference. Thank you to our hardworking research faculty, staff and providers: Anand Iyer, William Stigler, Jennifer Oswald, Lisa Bagby, James Hammock, Andres Viles, Katrina Booth, Kellie Flood, Emily Simmons, Angela Rothrock, Todd Peterson, Marjorie Lee White, Shilpa Register, Dawn Taylor Peterson.



In September, we were notified of the following funding awards: QEP unit-based award - Marjorie Lee White, Shilpa Register, Dawn Taylor Peterson, Scott Richards, and Erica Pryor; UAB SOM Dean's Research Award - Marjorie Lee White; UME Prosper Curricular Enrichment and Innovations Award - Marjorie Lee White, Shilpa Register, Dawn Taylor Peterson. Additional information on these awards and projects can be found on our website.

This month, please visit the [OIPS website](#) where you will notice updates to highlight our current research projects and facilitate collaboration across the UAB System. I welcome your thoughts on research items that you would like to see showcased on our website.

Also, Save The Date for November 3rd for the OIPS Simulation Research meeting where we plan to provide an overview of the upcoming accreditation, research strategic plan and review research related policies and procedures. This event will also allow for small group discussions and feedback from our partners. If you are interested in attending, please reach out to Shilpa Register at shilpa@uab.edu.

Visiting Minneapolis - Inaugural Summit on Interprofessional Education

Shilpa Register, PhD, MS, OD

In late August, Dr. Connie White-Williams, Director, Center for Nursing Excellence, UAB Hospital, Dr. Maria Shirey, Professor and Chair, Acute, Chronic & Continuing Care Department, School of Nursing, and Shilpa Register, PhD, MS, OD had the opportunity to attend the Inaugural Learning Together at the Nexus Summit in Minneapolis, MN, hosted by the National Center for Interprofessional Practice and Education. At the summit, conversations, workshops and presentations centered on the future of interprofessional education along with dedicated time to collaborate with healthcare professionals across the nation on interprofessional efforts. While there, Dr. Register provided an update on UAB's Nexus project to the IPE Nexus Affinity Group along with facilitating several conversation cafes during the summit.



Trauma Symposium

Andres Viles, MSN, RN & Lisa Bagby, MSN, RN

On September 23, The Office of Interprofessional Simulation (OIPS) was honored to be invited to speak at the 18th Annual UAB Trauma Symposium held at the Birmingham Sheraton. Andres Viles and Lisa Bagby offered a 30 minute presentation that included an introduction to the

principles and purpose of healthcare simulation, a presentation of a recent Active Shooter Simulation conducted in partnership with UAB Emergency Management and the UAB Police Department, and a panel discussion to field audience questions about simulation at UAB and the Active Shooter Simulation. The presentation was well received by the audience of healthcare providers and students from institutions and universities throughout the greater Birmingham area. OIPS would like to thank Holly Waller and Dr. Kimberly Hendershot for the opportunity to participate in this event.

Center for Psychiatric Medicine In Situ Simulation

Lisa Bagby, MSN, RN



After much planning and collaboration, the educator teams from the Center for Psychiatric Medicine (CPM) and the Office of Interprofessional Simulation (OIPS) implemented the first pilot in a series of in situ simulations in the CPM. The goal of these simulations is to increase provider confidence, team communication, and skill employing CPI Nonviolent crisis intervention techniques for both verbal de-escalation and management of physically aggressive patients. This hybrid simulation used a simulated patient in a real patient care environment along with a pause and coach debriefing style borrowed from rapid cycle deliberate

practice methodology. The initial simulation was interprofessional, including nursing, social work, and patient care technicians. The participants provided valuable feedback to the facilitators, which will allow continued development of the simulation. Future plans include regularly scheduled simulations to allow deliberate practice of de-escalation skills and team communication for the CPM staff. These simulations were created and facilitated by Lesli Reeves MSN, RN, PMHNP-BC, Cardine Stewart MSN, RN, Erin Blanchard MSN, RN, CPAN, April Belle MSN, RN, CCRN, CCNS, and Lisa Bagby MSN, RN, CEN.

OtoSim 2 - Otoscopy Trainer

Brandon Smith, Clinical Simulation Specialist

OIPS recently purchased an OtoSim 2 otoscopy training and simulation system that provides the opportunity for learners to practice otoscopic techniques in a hands-on simulated environment. The included software contains hundreds of clinical scenarios with high-fidelity images and the ability to provide feedback to the user. The simulator contains a base unit, right and left ear forms, instrumented otoscope, control box, software package and protective hard cases. The user interacts with the software using a computer monitor. Users learn otoscopic diagnostic skills using the interactive otoscope from a collection of normal ear anatomy and pathologies. The system tests the learners' anatomy and clinical knowledge through quizzes and self-examinations. The OtoSim teaches instrument use, feature identification, external auditory canal pathologies, and middle ear pathologies. The OtoSim 2 will allow learners to practice and improve otoscopic techniques and enhance the training in diagnosing and treating ear pathologies at UAB.



OIPS Team Member Highlight - Amanda Gargus



Amanda Gargus joined the Office of Interprofessional Simulation as a Clinical Simulation Specialist on August 15, 2016. She is from Oxford, Alabama and attended Armstrong Atlantic State University in Savannah, Georgia where she earned her Bachelor of Science in Nursing in 2007. Amanda has nine years of experience as a registered nurse. She has worked in the emergency department, critical care, and medical surgical nursing. Amanda is currently enrolled in graduate school at UAB in the Nursing Informatics Program and is also getting her teaching certificate. She expects to graduate in August 2017. She is married and

has two sons. One is a senior in high school and plays the trumpet in the band and the other is 13 and plays Junior Varsity football. Her interests include photography and scary movies. She loves to read but most recently her reading has been mostly textbooks. Amanda's favorite food is pizza and she plans to go on a cruise after her graduation in August. She can be found on Facebook and Instagram.

Important Dates

October 5, 2016	<u>SimConnect</u>
October 7, 2016	<u>Lifetime of Learning Conference - Sponsored by OIPS</u>
October 8, 2016	<u>MOCA Course</u>
October 21, 2016	<u>Sim 1</u>
October 26, 2016	<u>Advanced Debriefing</u>
November 17 & 18, 2016	<u>SSIH Accreditation Site Visit</u>
November 29, 2016	<u>UAB Pop-In Series - Healthcare Simulation</u>
November 30, 2016	<u>SimConnect</u>

For 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 (Director of Research), 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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