

January 5, 2016

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Director's Corner

Marjorie Lee White, MD,
MPPM, MA

As 2015 draws to a close, I've reflected on the incredible year we've had at OIPS. We've had some major highlights - primarily focused on

American Society of Anesthesiologists Endorsement

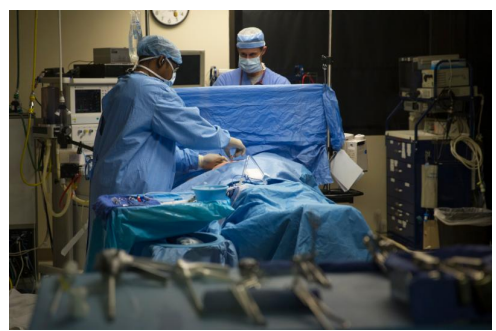
Jeff Simmons, MD

people & programs. Our team has grown to include 16 people (of whom we employ 13.5 FTEs). Our most recent additions are Erin Blanchard and David Mathews. Erin is serving a dual role as an OIPS simulation educator and the new associate director for the Perioperative-Anesthesia Critical Events Simulation (PACES) Program and Maintenance of Certification in Anesthesiology (MOCA). Please see the profile of Erin below. David is developing a new role of equipment technician. He has already helped with standardization of our processes. Look for his profile in future newsletters.

In program highlights this month, we received endorsement from the American Society of Anesthesiologists, which is the first of a hoped for list of outside recognition of the UAB simulation effort. Endorsement will allow OIPS to continue to partner with UAB's Department of Anesthesiology and Perioperative Medicine to offer MOCA courses starting in April 2016. We continued to deploy simulation in sim and in situ throughout the month - please check out our highlights in the rest of the newsletter!

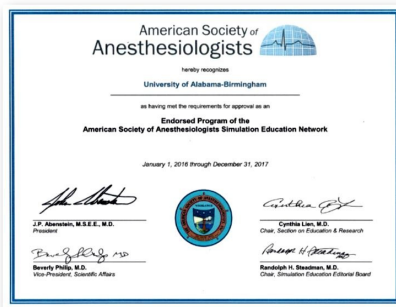
As we start 2016, we'll keep working with you to meet our mission of embedding simulation-based techniques and tools in education and training for the UAB community to improve patient care outcomes, education, research and health system efficiency. With you we'll See One, Sim Some and Harm None™. As always, feel free to get in touch with me if I can help or to check us out on our website -www.uab.edu/simulation.

**The University of Alabama
Birmingham (UAB) Department
of Anesthesiology and
Perioperative Medicine and the
Office of Interprofessional
Simulation (OIPS) will now offer
courses for Maintenance of
Certification in Anesthesiology (MOCA).**



The UAB Department of Anesthesiology and Perioperative Medicine is pleased to announce American Society of Anesthesiology (ASA) endorsement of their simulation program. UAB has recently become one of only 43 ASA endorsed centers in the United States and is the only site in Alabama, Georgia, Mississippi, Arkansas, or Louisiana. UAB will offer simulation courses for Maintenance of Certification in Anesthesiology that count towards Part IV of the anesthesiologist's re-certification process. Participants will receive 25 re-certification points for course participation. UAB's one-day simulation course will satisfy the entire Part IV MOCA requirement for a five-year cycle. UAB will also offer continuing medical education credits for course participation.

Dr. Jeff Simmons is the UAB MOCA Course Director. Dr. Simmons is an anesthesiologist and Associate Professor in the Department of Anesthesiology and Perioperative Medicine with several years of experience leading anesthesia simulation, as well as critical care simulation in the Air Force. MOCA courses are designed to realistically recreate challenging clinical cases that allow participants to problem-solve in a manner that is similar to their actual clinical experience. The courses will be conducted in UAB's Center for Patient Safety and Advanced Medical Simulation Center starting in April 2016. Information about the Maintenance of Certification in Anesthesiology program and how to register can be found on our new website <https://www.uab.edu/simulation/moca>. Additional information can be obtained by contacting our Associate Course Director, Erin Blanchard at erinblanchard@uab.edu.



OB/GYN Clerkship Simulation: Cutting-Edge Enhancement of Clinical and Communication Skills

John Woods, MD



Campus leadership has selected UAB's next Quality Enhancement Plan (QEP), "Learning in a Team Environment." Team collaboration and practice is critical to optimize patient safety. At the educational level, clinical experiences that include collaboration between medical and nursing students facilitate more holistic learning with improved clinical skills and interprofessional communication.

The simulation experience in the Birmingham OB/Gyn clerkship begins with simulated vaginal deliveries and includes not only routine deliveries, but also "not-so-routine surprises" as well. In 2014, we started our academic year by integrating simulated gynecologic scenarios on selected topics. These simulations are ongoing and take place in the Quarterback Tower Simulation Center. Each clerkship student participates in two scenarios per the gynecology portion of the block. These sessions typically involve MS-3 and nursing students as well as nursing and OB/Gyn faculty. Our sessions focus on "the basics" with emphasis on communication skills as well as the clinical issues. Students learn how to deal with the challenges of obtaining a gynecologic history as well as the "sensitive" issues that often have to be discussed. Students learn how to put their knowledge into practice. The debriefings afterwards have allowed for teaching beyond the knowledge of the students. Students highlight the experience as an important part of the rotation. The use of the SimMom® obstetrical manikin has allowed for additional functionality as well. Participating faculty from the Department of OB/Gyn have included Chere' Stewart, MD; Brian Gleason, MD; and John Woods, MD and Director of OB/Gyn Simulation. Thanks also to Penni Watts, PhD, RN; Kelly Dailey, MSN, RN; and Candace Knight, PhD, RN, from the School of Nursing who have worked to find opportunities for nursing students to participate. Feedback is overwhelmingly positive, and these sessions have proven to be quite enjoyable.

Faculty and Staff from the Campus and the Health

System Collaborate to Lead Interprofessional Debriefings

Dawn Taylor Peterson, PhD

One of the core values of OIPS is to offer effective interprofessional experiences through true-to-life simulated encounters that encourage collaboration. This past fall, 31 faculty and staff members from the Schools of Medicine, Nursing, Dentistry, Optometry, Health Professions, the College of Arts and Sciences, Service Learning, and the UAB Health System worked together to exemplify this core value as they facilitated small group debriefings for the Poverty Simulations. Each debriefer was required to attend a two-hour training session in order to facilitate these discussions. The debriefings focused on the challenges one may face when living in poverty, the attitudes of the participants and how they may have changed during and after the simulation, as well as the insights participants may have gained as to how the health care team can work together to better meet the needs of individuals living in poverty. Over 320 students from various schools participated in the Poverty Simulation and small group debriefings. OIPS would like to thank these dedicated faculty and staff for volunteering their time and going above and beyond their regular duties to attend training and lead these debriefings. The following faculty and staff collaborated together on this interprofessional debriefing initiative: Caroline Harada, Shawn Galin, Jason Morris, Will Sasser, Carmel McNicholas, Erica Pryor, Nancy Wingo, Sallie Shipman, Laura Debiasi, Kelly Dailey, Ken Tilashalski, Shilpa Register, Kelley Swatzell, Lynn Holt, Diane Clark, Michelle Brown, Laurel Hitchcock, Erika Hille Rinker, Allyson Varley, Libba Vaughan, David James, Vernessa Long, Carolyn Curry, Andres Viles, Marjorie Lee White, Chad Epps, April Belle, Lisa Bagby, Jabril Cooper, Tim Holloway, Dawn Taylor Peterson.



Standardization of Central Line Insertion Curriculum - Update

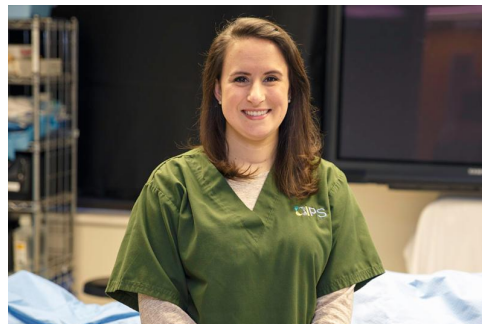
Lisa Bagby, MSN, RN



The UAB CVL Task Force and OIPS are continuing to work through the year-long plan for development and implementation of a standardized curriculum for central venous line insertion. A checklist based on best practice guidelines has been developed and vetted by the Task Force. An online learning module has been created and is in the final editing phase. Simulation training sessions are being piloted for select learner groups to work through logistical issues and refine the process. The next steps include training for additional simulation facilitators and clinical supervisors. The plan is to require new clinicians to complete online training modules, simulation training, and supervised clinical insertion prior to independent insertion of central lines in the clinical environment, all with the goal of providing

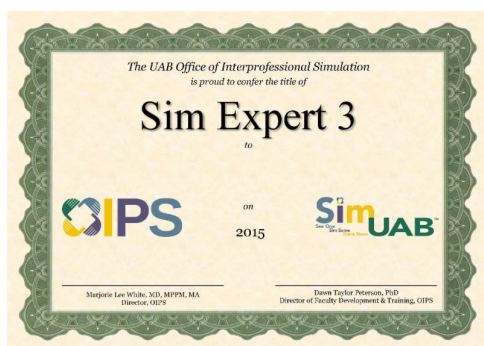
OIPS Team Member Highlight - Erin Blanchard

Erin Blanchard joined the Office of Interprofessional Simulation this past November as a Simulation Educator Senior and Associate Director of the Anesthesia and Perioperative Medicine Simulation Program. Erin was born in Kenner, Louisiana. She attended Mississippi University for Women and earned her Bachelor's of Science in Nursing. Erin is currently enrolled in UAB's Master of Science in Nursing program with a specialty track in Nursing Health Systems Administration and her projected graduation is in April 2016. Erin and her husband, Cory, have two dogs, Nala and Charlie. In their free time, Erin and Cory enjoy Latin and ballroom dancing and also Hand in Paw training with their dog Charlie. They love throwing theme parties at their house as well as attending musical theater performances. Erin's latest read was "*Lean In*" by Sheryl Sandberg. She has a social media presence on Facebook and Pinterest. Her favorite food is pizza and king cake, and her next vacation will be for Mardi Gras in 2016.



2015 OIPS Simulation Certification Recipients

Dawn Taylor Peterson, PhD



As interprofessional simulation programs continue to grow across the campus and throughout the health system, so does the need for highly trained facilitators. OIPS would like to recognize the following individuals for achieving OIPS simulation certification in 2015.

April Belle - Sim Expert III
Jabril Cooper - Sim Expert II
Kelly Dailey - Sim Expert III

Dawn Taylor Peterson - Sim Expert III
Penni Watts - Sim Expert III
Marjorie Lee White - Sim Expert III

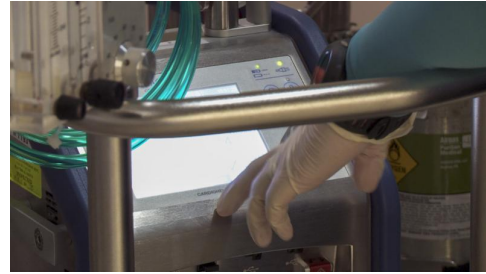
John Woods - Sim Expert III

The OIPS Certification Plan© is a tiered plan with the goal of maintaining quality and consistency among simulation facilitators. Please visit our website <http://www.uab.edu/simulation/2013-06-06-16-06-18/oips-instructor-certification-plan> or contact Dawn Taylor Peterson at dtpeterson@uab.edu for more information.

ECMO Training at Children's of Alabama

Lisa Bagby, MSN, RN

The Children's of Alabama (COA) ECMO Prime Team joined the Office of Interprofessional Simulation (OIPS) for an ECMO training session in October. The group, along with OIPS staff Lisa Bagby (simulation coordinator) and Jarrod Young (simulation specialist), tested and explored the capabilities of the EigenFlow ECMO simulator.



In late November, Lisa Bagby was invited to join Children's of Alabama for their annual Fellow Training for ECMO. The training involved didactic instruction related to the indications for ECMO, ethical issues involved with the initiation of ECMO therapy, best practices for physiologic management of the ECMO patient, and anticoagulation for ECMO patients. Simulation training was provided to work through the logistics of cannulation, going on ECMO in the PICU and common situations such as air in the ECMO circuit and oxygenator changes.

These collaborative trainings are building the foundations for future collaboration to provide interprofessional, immersive, high-fidelity ECMO simulation training. Logistics planning and course development is ongoing- stay tuned for more in 2016!

OIPS Team Members Complete Graduate Certificate in Healthcare Quality & Safety

Charlie Prince, Jarrod Young, & Lisa Bagby



Department of Health Services Administration
Healthcare Quality and Safety Graduate Programs

Three members of the Office of Interprofessional Simulation recently completed their Graduate Certificate in Healthcare Quality and Safety from the University of Alabama at Birmingham School of Health Professions. Lisa Bagby, Charlie Prince, and Jarrod Young were among the select group of participants asked to enroll in the Fall Semester of the Quality Academy. This four-course Graduate Certificate program consisted of Clinical Quality Improvement, Quantitative Methods for Quality Improvement, Fundamentals of Patient Safety, and Leadership in High Reliability Organizations. The program's curriculum was focused on applying data-driven best practices of quality improvement for High Reliability Organizations to the healthcare culture at UAB.

Beyond the normal coursework, the program also required implementation and completion of a pre-determined quality improvement project for UAB. The three OIPS team members were part of the team that was tasked to implement a project to help reduce waste in the UAB Medical Intensive Care Unit. The project was centered on reducing the use of I-STAT tests to true stat emergencies. The team chose to specifically focus on cutting back on these I-STAT tests in favor of laboratory tests for ionized calcium and blood gasses for CRRT patients. Not only was the team able to successfully

design a project, they were able to successfully implement the project and analyze the data from the new process. Lisa, Charlie, and Jarrod hope to continue as champions for quality improvement and patient safety in the healthcare system by expanding the impact that simulation has on the staff of healthcare professionals at UAB in addition to finding new ways for simulation to shed light on latent system errors.

Recent graduate Charlie Prince has said of the Quality Academy, "It was a fantastic learning experience packed tightly into one semester. I now feel equipped with a breadth of knowledge about HROs, QI, data-driven decision making, and have a better understanding of what a highly reliable safety culture should look like at UAB. I'm hoping that OIPS will be able to help influence the continuing development of that kind of culture and tackle some of the issues that stand in the way."

OIPS Collaborates with UAB School of Business Healthcare Marketing Class

Marjorie Lee White, MD, MPPM, MA

Last fall Karen Kennedy, Professor and Associate Dean in the School of Business connected OIPS leaders with Douglas J Ayers, PhD, Associate Professor of Marketing, Department Marketing, Industrial Distribution and Economics, UAB School of Business. Dr. Ayers agreed to have his class focus on Healthcare simulation. Dr. White developed a presentation about simulation and OIPS and answered questions from the students early in the semester.



Dr. Ayers and the students then developed two separate marketing questions, and two student groups worked on projects related to simulation in their Healthcare Marketing class. The students were Claire Bullington, Whitney Lamont, Bidisha Paul, Marlon Alvarado, Kwasi Asare-Acquah, Audra Pettway, Sangeetha Purushotham, and Ryan Summerford. Of note, one of the students has since participated in simulation facilitator development activity, and we look forward to future partnerships. OIPS leaders attended the final class session for their presentations in December, 2015 and asked many questions about the group's findings.

CAE Healthcare's Annual Southern Regional Human Patient Simulation Network

Tim Holloway, MSN, RN

On Dec. 3, OIPS' Tim Holloway gave a presentation during CAE Healthcare's annual Southern Regional Human Patient Simulation Network (HPSN) on the campus of the University of South Alabama. The presentation, "Challenges and Solutions to IP Simulation," was authored by Tim

Holloway MSN, RN; Dawn Taylor Peterson, PhD; Penni Watts, PhD, RN; Chad Epps, MD; and Marjorie Lee White MD, MPPM, MA. The presentation focused on challenges and solutions related to designing and implementing interprofessional simulation for healthcare students. The challenges addressed were: 1. volume of students, 2. uncertainty in IP relationships or professional identities and 3. curricular overlap.

One of the solutions regarding large student volume was embracing the development of a pool of trained facilitators, and senior medical and nursing students in order to assist with simulations. The second challenge was student uncertainty in IP relationships (the need to understand the roles of other healthcare team members). In response to this, OIPS adopted key IPEC (the Interprofessional Education Collaborative) competencies that focus on interprofessional communication to define the learners' roles. Curricular overlap was another road block when developing and implementing IP simulations. OIPS's answer was to engage key faculty members in developing learning objectives that meet the needs of the students involved.

Upcoming Events

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|---------------------|---------------------------------------------------------------------------|
| January 14, 2016 | <u>Facilitating Interprofessional Debriefing</u> |
| January 16-20, 2016 | <u>International Meeting for Simulation in Healthcare</u> |
| January 26, 2016 | <u>SimConnect</u> |
| January 28, 2016 | <u>Rapid Cycle Deliberate Practice Facilitator Course</u> |
| January 28, 2016 | <u>DASH@</u> |

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



Top Rows (left to right): Tyler Burks (Clinical Simulation Specialist), Jarrod Young (Clinical Simulation Specialist), Betty Farley (Program Director III), Tim Holloway (Faculty Educator), Marjorie Lee White (Director), Brian Mezzell (Program Administrator II), Erin Blanchard (Simulation Educator Senior), Chad Epps (Associate Director), Penni Watts (Faculty), Kelly Markham (Administrative Associate), David Mathews (Clinical Simulation Equipment Technician),

Seated (left to right): April Belle (Simulation Coordinator Senior), Lisa Bagby (Simulation Coordinator Senior), Dawn Taylor Peterson (Director, Faculty Development & Training), Jabril Cooper (Clinical Simulation Specialist), Charlie Prince (Program Director II)

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

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