



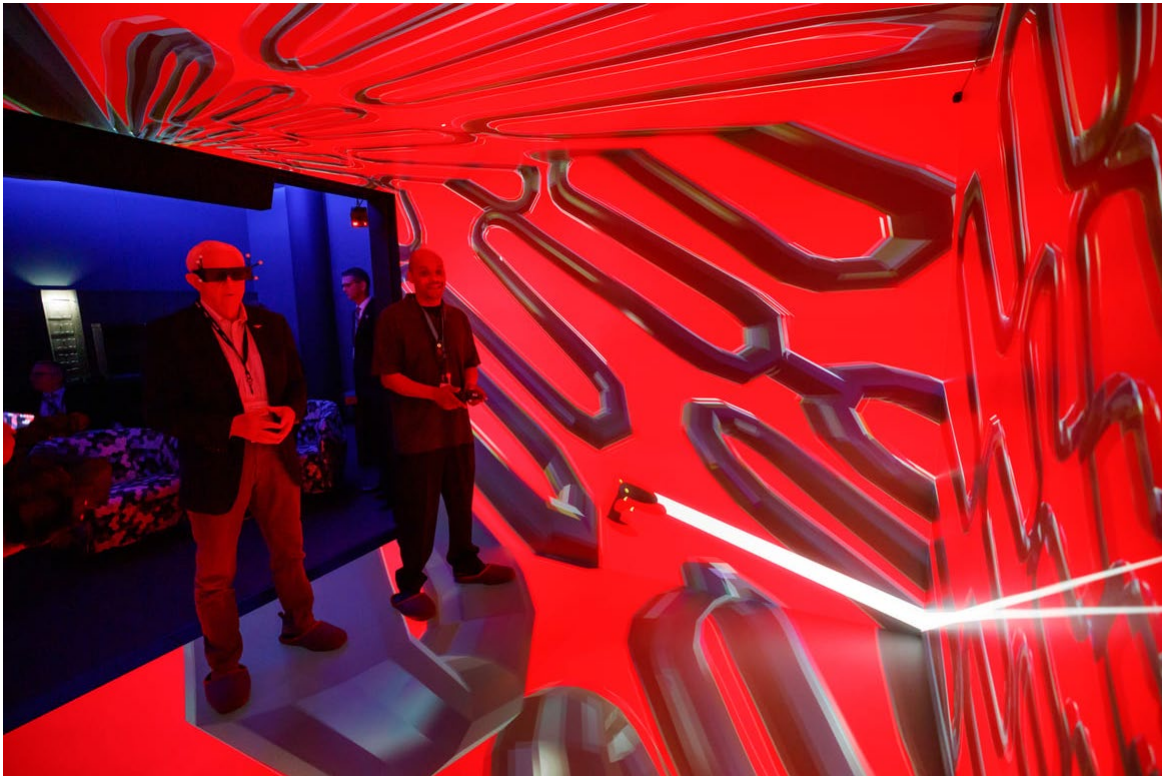
iEXCEL Digital Pulse

April 2023
Volume 9 Issue 4

Improving Human Performance & Effectiveness in Health Care

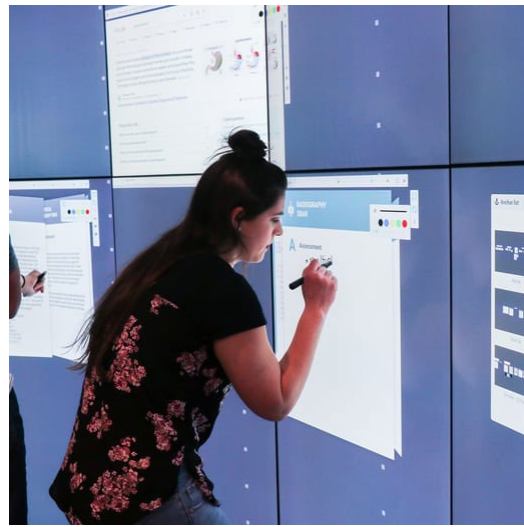
UNMC faculty, students and iEXCEL staff continue to test and try new ways of adopting simulation and visualization to “bring learning to life!” With many sessions on the schedule, the interprofessional, experiential simulation model for health professions training continues to evolve.

Lawmakers Look to iEXCEL



iEXCEL hosted the **Congressional Modeling & Simulation Caucus** and **National Training Simulation (NTSA) Patient Safety Working Group** for a tour of the Davis Global Center and roundtable discussions related to potential for funding for telesimulation training for healthcare professionals. During their visit they observed *Dr. Robert Norgren*, **Department of Genetics, Cell Biology and Anatomy**, and his team of faculty working with first year medical students to understand more about the brain and its functions. They observed the **Department of Emergency Medicine** Residency Prep Course in action with *Dr. Amy Cutright* and talked to *Dr. Michael Wadman* and *Dr. Wes Zeger* about remote emergency diagnostic imaging and with *Kalen Knight* about the use of advanced telehealth technology. Lawmakers and simulation leaders from around the nation gained insight into how the UNMC interprofessional, experiential, performance-based learning model is using advanced technologies, such as the interactive digital walls and broadcasts for healthcare providers statewide.

iWalls = Innovation Interactions



During April, the interactive digital walls (iWalls) were very active with statewide training events conducted through collaboration software. Walls in Omaha, Kearney, Norfolk, Lincoln and Scottsbluff were connected simultaneously across the state involving nearly 100 learners.

Led by organizer *Sallie Weathers*, **Department of Graduate Medical Education** utilized the iWalls to transform their traditional poster session into an interactive multimedia format.

Additionally, interprofessional students from **U-HOP**, **K-HOP**, and **R-HOP** programs led by *Nikki Carritt* and *Kelli Schneegass* from **UNMC Office of Rural Health Initiatives** connected for an interactive statewide session focused on the Situation-Background-Assessment-Recommendation, or SBAR, method in a patient-case scenario.

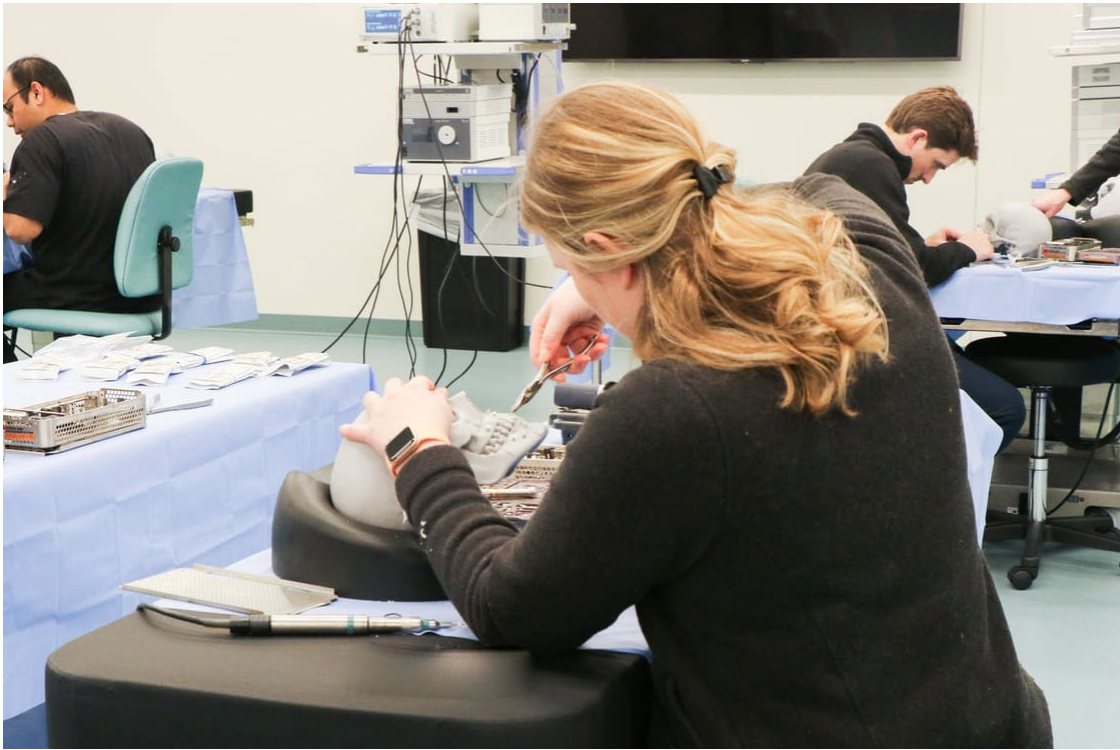
[Learn more](#)

Residency Prep Course



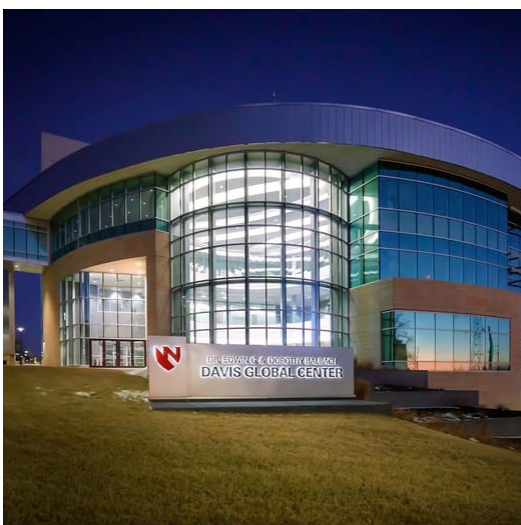
The clinical and surgical simulation floors have been very active with fourth year **College of Medicine** students led by *Dr. Jill Zahib, Dr. Amy Cutright* and *Dr. Olabisi Sheppard* for their Residency Prep Course. "It is very different than sitting in a conference room discussing what you would do," explained one participant. Students emphasized the impact of "actually being in a situation where you have to call the shots in real time."

Surgery, Sinuses & Skulls - Oh My!



Dr. Christy Barnes and residents from the **Department of Otolaryngology** switched between several simulation modalities as students practiced trauma plating on skull models before advancing to fresh tissue to learn how to conduct sinus interventions, demonstrating a true hybrid approach to training by using a variety of surgical simulation methods available in the Davis Global Center.

Additional Highlights



Holomedicine Partnership

iEXCEL announced an official Healthcare Institution Partnership with the [Holomedicine Association](#), a not-for-profit group that collaborates to create new methods for delivering mixed reality (AR/VR and 3D) for teaching medicine and surgery, and ensuring these emerging technologies have the maximum clinical impact.

[Learn More](#)

NU for NE Feature

The **University of Nebraska System**



published an article highlighting how iEXCEL is innovating in health care education, and in turn, helping develop the state's healthcare and STEM workforce.

[Read Article](#)

UNL Visits UNMC

Pre-Health students from the **University of Nebraska at Lincoln** visited iEXCEL for a glimpse into their future careers. Students toured the Davis Global Center and gained hands-on experiences as well as immersive training.



HealthySimulation.com Webinar

Congratulations to Manager of iEXCEL Clinical Simulation, *Samantha Rogers*, who presented a HealthySimulation.com webinar entitled, "Ultrasound Simulation: Creating a Complete Multi-Specialty Learning Pathway." Samantha highlighted UNMC's ultrasound training program and described and discussed the impact of simulated for teaching and learning.

[View Recording](#)

 Webinar:








Ultrasound Simulation: Creating a Complete Multi-Specialty Learning Pathway

Presented by: Samantha Rogers, MSA, CHSOS,
Sue Halterman, MA, RDMS, RDCS, RVT, NTQR, FME, RT (R),
Thomas Brown, VP Sales, IUNA

★★★★★
5.0 rating of 2 reviews



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Let's Connect

Share your experience with iEXCEL and follow us to see innovation in health care

training and simulation:

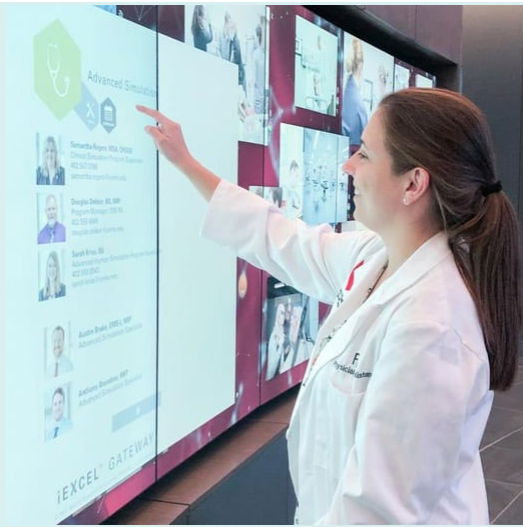
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Contact us: [Gateway App](#)



Please continue to reach out to us directly with questions (see the iEXCEL UNMC app) about how to access staff in the Davis Global Center, especially if you would like support from iEXCEL in creating simulation and visualization scenarios.



We look forward to continuing to innovate with you!

Sincere Regards,

Handwritten signature of Pamela J. Boyers.

Pamela Boyers, PhD

Associate Vice Chancellor, iEXCEL



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