

The University of Toledo – ProMedica Interprofessional Immersive Simulation Center

*for the Advancement of Interprofessional Education
& Improvement of Human Performance*

ProMedica Town Hall Meeting

Toledo Country Club

Thursday, November 17, 2011
6:00 p.m.

*Pamela J. Boyers, Ph.D., Senior Advisor to the
Chancellor for the Advancement of Interprofessional
Education, Executive Director, IISC*

*Ben Stobbe, R.N., MBA, Administrative Director
& Business Manager, IISC*



Why “Interprofessional?”

- Advancing interprofessional education
- Practicing in teams BEFORE taking care of patients
- Understanding the roles and training of other health professionals
- Improve efficiencies (communication)
- Build confidence
- Improve patient safety, clinical outcomes and reduce costs

Why “Immersive?”

- Simulation models and human patient simulators have limitations
- The worlds of simulation, modeling and gaming are merging
- Nothing beats fresh tissue for simulation – especially for surgeons

What is Clinical Simulation in Health Care?

- Repetitive – purposeful practice
- Followed by debriefing & feedback
- Uses simulation models & environments
- Procedures, clinical scenarios, emergencies
- Standardization of training
- Links clinicians & educators
- Incorporates professionalism & communication

What is the Value in Simulation for Health Professionals?

For:

1. Medical Students
2. Residents
3. Primary Care Physicians
4. Specialty Physicians
5. Nurses and Allied Health

The Value of Simulation for the Education of Health Professionals

- Improved clinical quality
- Improved team communication
- Certification of professionals
- Recruitment & retention
- Safety for learners
- Demonstrated Improvements In Patient Safety & Clinical Quality

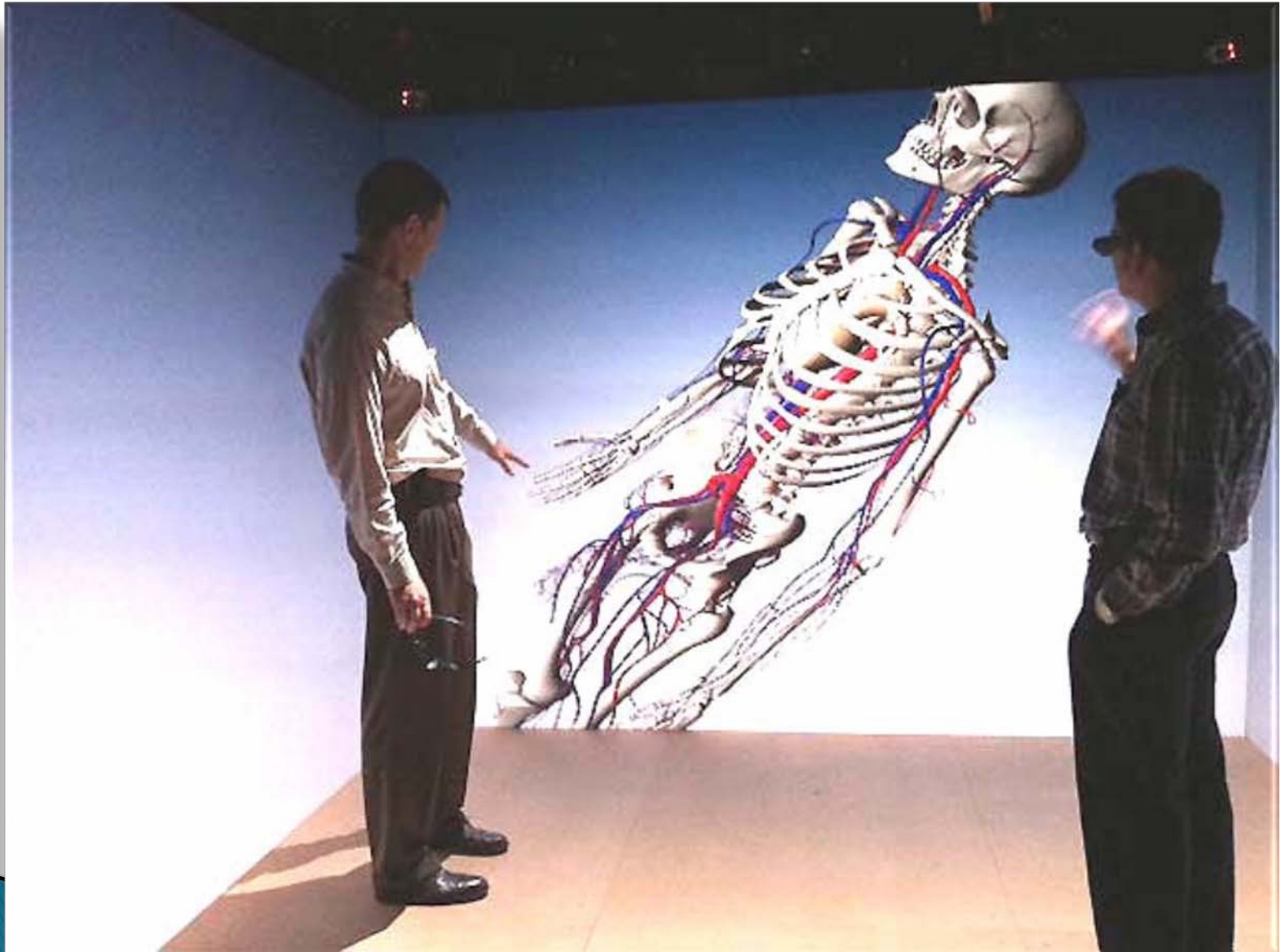


Immersive 3-D Environments



- Next generation of simulation in healthcare
- Revolutionary opportunities for learning, teaching, diagnostics, clinical planning & team training
- Extraordinary research & development potential (*from molecular to total environments*)

“Frank” in the I-Space™



Vision V!SION

To create a *transformative learning environment* that positions The University of Toledo and ProMedica as national and global leaders in interdisciplinary education, the advancement of clinical practice & improvement of human performance.

The Prototype: Phase I

Lower Level, Collier Building, Health Science Campus

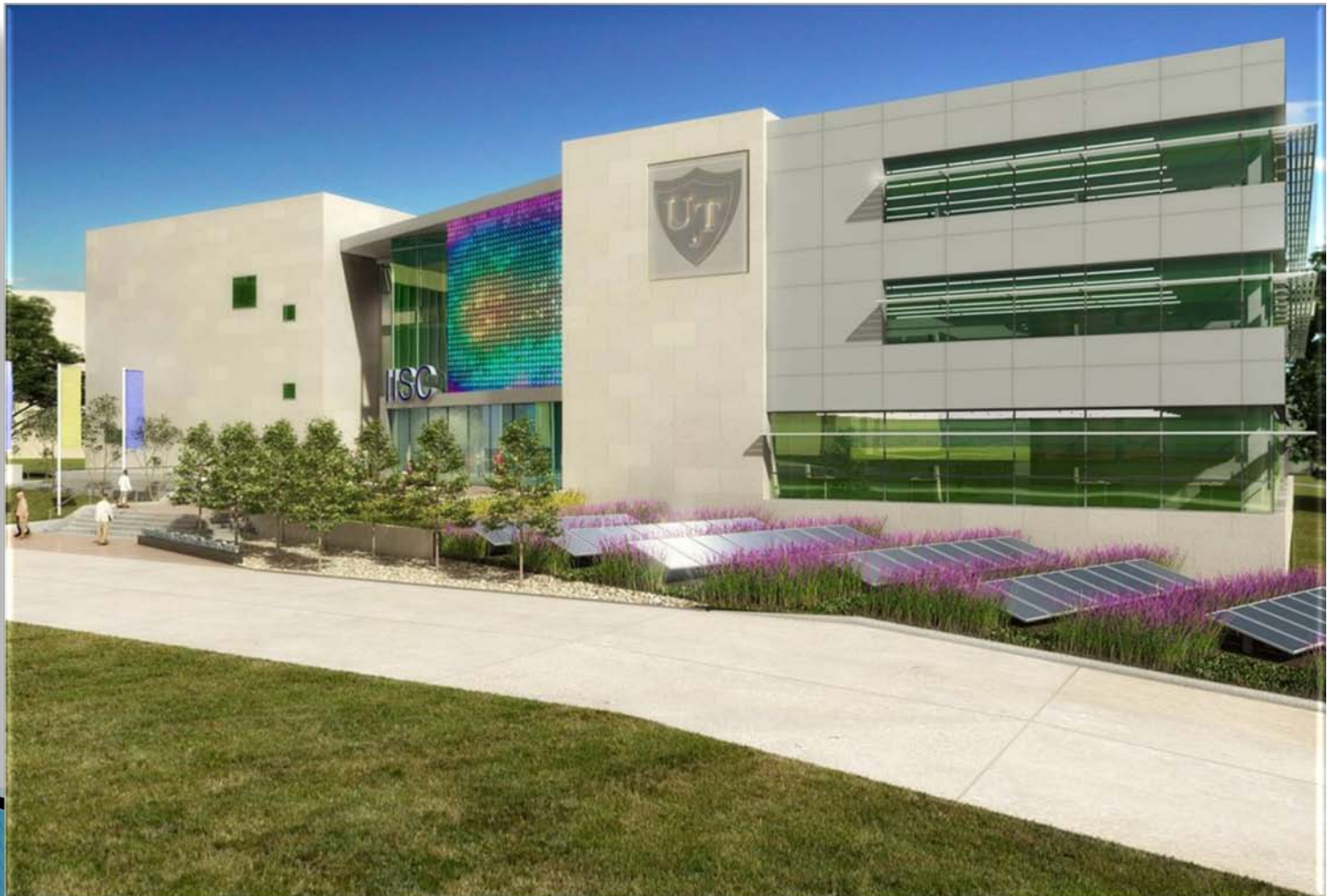
12,000 Sq. Ft.



The Interprofessional Immersive Simulation Center

An Interconnected Tri-Center Concept with Unlimited Potential

- **A Progressive Anatomy & Surgical Skills Center**
- **Advanced Clinical Simulation Center**
- **Virtual Immersive Reality Center**



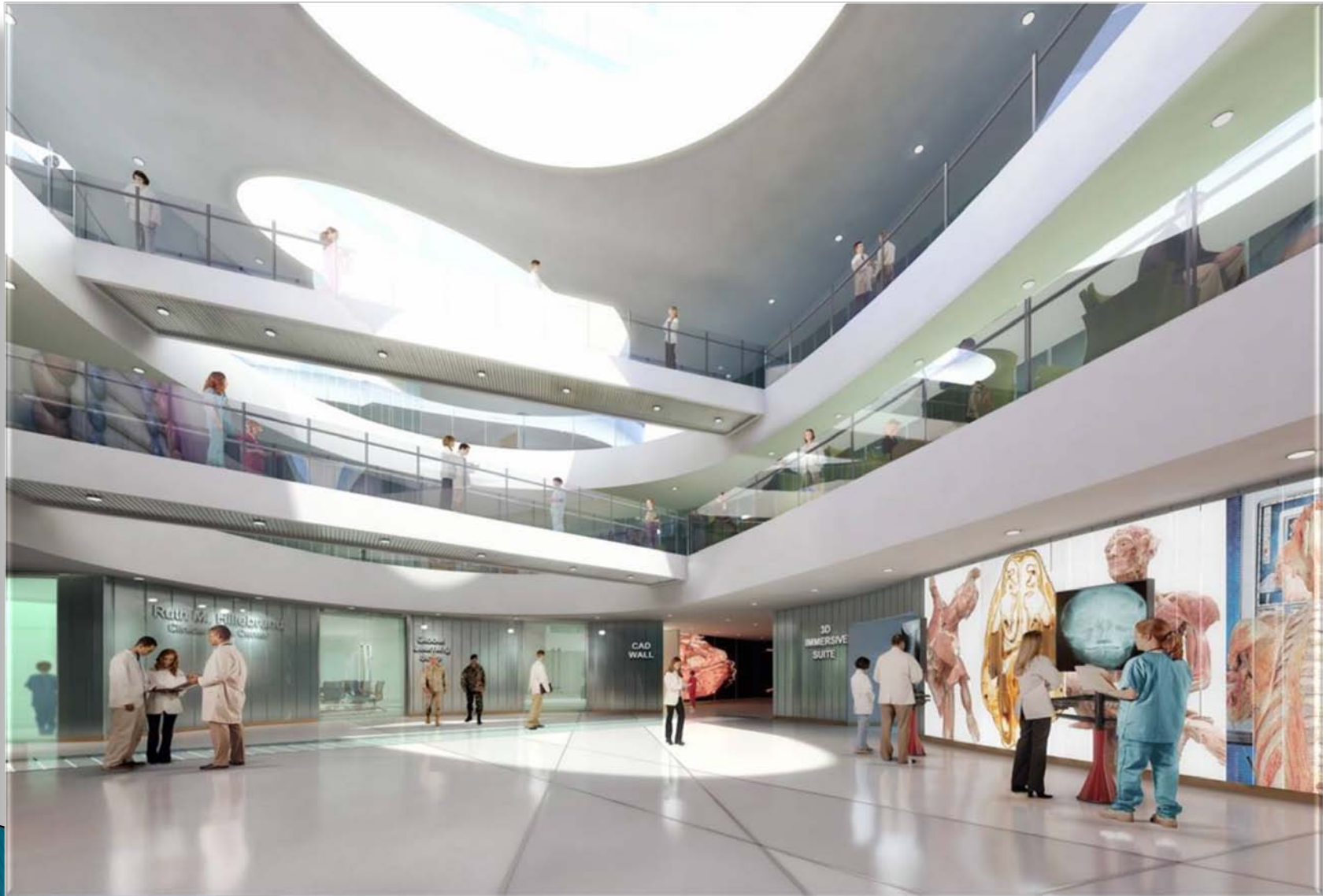
UT Health Science Campus

PROPOSED IISC LOCATION

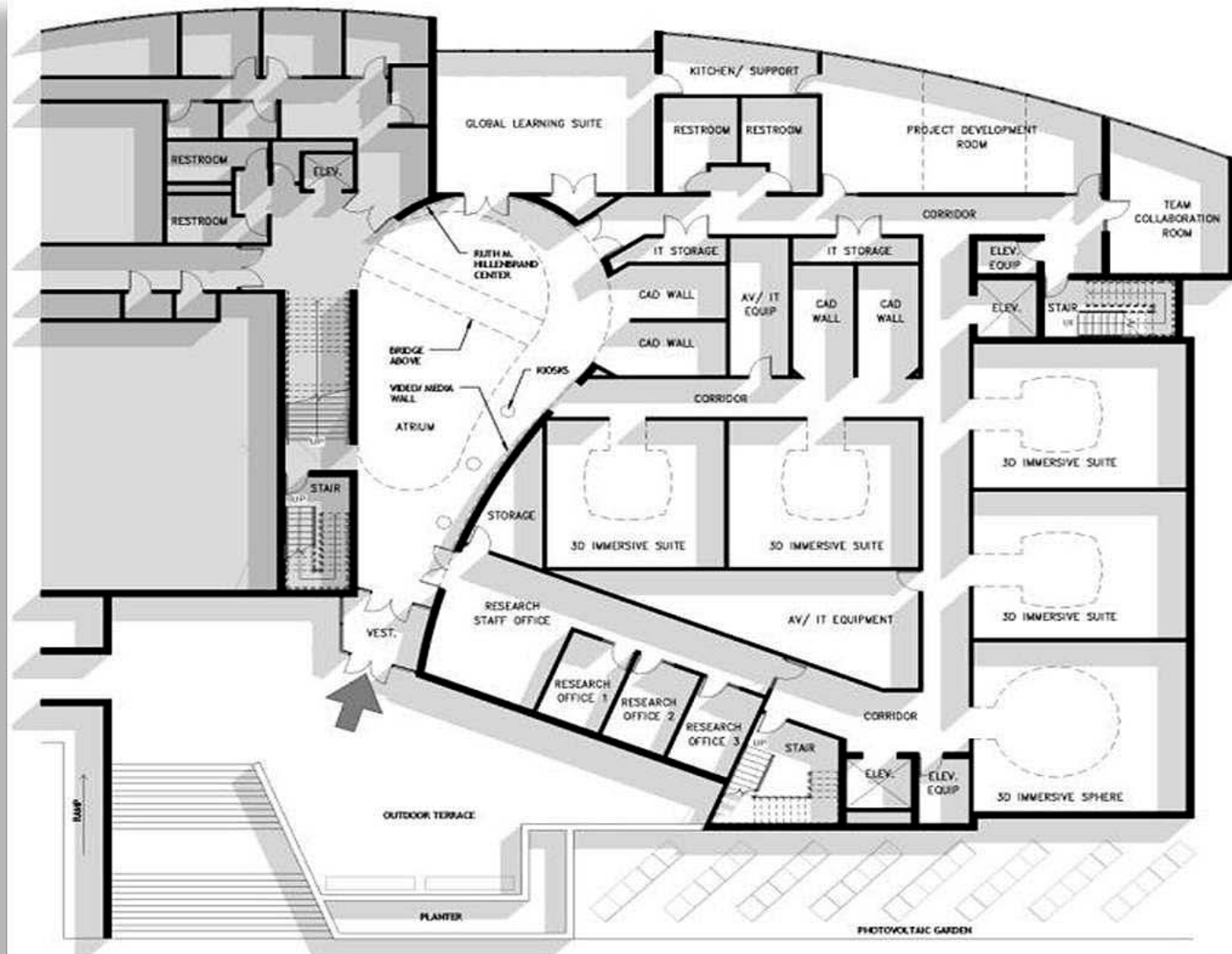


- 1 - Collier Building
- 2 - Center for Creative Education Bldg.
- 3 - Health Science Bldg.
- 4 - College of Pharmacy Bldg.
- 5 - Mulford Library Bldg.
- 6 - Health Education Bldg.
- 7 - UT Medical Center
- 8 - Dowling Hall
- 9 - Orthopaedic Center

Atrium Overview



1st Floor Concept Plan – Phase II



Immersive 3-D Environments

I-Space™ Multi-sided Cubic Immersive Environment

CADWall™ Immersive and Stereoscopic Display Systems



2nd Floor: Advanced Simulation Center

- Virtual Hospital (*OR, ICU, Trauma Suite & Patient Hospital Room*)
- Interventional (*Endovascular*) Lab
- Simulated Home/Community Care Suite
- Surgical Skills Lab
- Debriefing rooms
- Pre & Post Testing spaces



Advanced Simulation Center

Virtual Hospitals – Surgical Skills Labs – Immersive Environments



Advanced Simulation: Virtual Hospital



3rd Floor: Progressive Anatomy & Surgical Skills Center



Discussion

- **Where could clinical simulation best apply to the medical specialties?**
- **Is there value in discussing simulation training opportunities at the specialty department level? For example Departments of Surgery, OB/GYN, Medicine etc.**

Strategic Direction

- Become world leaders in interdisciplinary education & a transformational force to improve the human condition
- Capture exciting, emerging technology to advance the delivery of healthcare education across and between the healthcare disciplines, while dramatically enhancing professional competency, patient safety & improving human performance



Thank you! Questions?

