

Inspiring World-Class Education, Training and Research that Transforms Healthcare Delivery



Tampa ■ Florida ■ USA

- 90,000 square feet on 3 floors
- Every possible opportunity for simulation-based education and training
 - ▣ 35 surgical skills stations, including microsurgery, endoscopic and image-guided surgery
 - ▣ Trauma and hybrid operating room suites
 - ▣ 200-seat auditorium of the future
 - ▣ Virtual clinic, hospital, and pharmacies with state-of-the-art simulation
 - ▣ Research and innovation laboratory
 - ▣ Multi-specialty robotics surgery training
 - ▣ Audio-video recording of team training performance for debriefing
- Designed to catalyze life-long learning and set standards for performance
- Delivery of broad portfolio of activities to meet the needs of health professionals across the lifecycle, from students and residents to practicing clinicians, to continuing education:
 - ▣ Health professional society meetings
 - ▣ Specialty-specific technical and diagnostic skills courses
 - ▣ Interprofessional teamwork curricula, featuring TeamSTEPPS
 - ▣ Professional society courses, such as ATLS, FLS, NRP and others
 - ▣ Individual learner competency assessment and remediation
 - ▣ Workforce reintegration
 - ▣ Health technology development and commercialization
 - ▣ Healthcare simulation and simulator innovation
- Leveraging a recognized framework of excellence as demonstrated by the following accreditations:
 - ▣ The American College of Surgeons (ACS) Level I comprehensive education institute
 - ▣ The Society for Simulation in Healthcare (SSH) for Assessment, Teaching/Education and Systems integration
 - ▣ The ACCME (with commendation), ANCC, ACPE and others



Surgical & Interventional Training Center

The SITC features large-scale facilities for tissue and animate exercises:

- Surgical Skills Labs (SSL)
 - One 21 station SSL
 - Two 7 station SSL, which can be combined to one 14 station or used separately
- Each station has complete anesthetic and operating capability for all specialties, as well as:
 - Basic Surgical Instrumentation
 - Sterilizer
- 11 operating microscopes for microsurgery procedures
- Six C-arm fluoroscopes
- Hybrid (interventional combined with open surgical procedures) operating room
- Trauma operating room
- Ability to change conditions in sight, sound and temperature to simulate different operating environments
- Robotics suite with two da Vinci™ robots (S and Si)
- On-site tissue bank
- Accredited vivarium
- Synthetic cadaver
- 64-slice CT scanner
- Two adjoining classrooms, seating 36 and 21

Virtual Patient Care Center

The VPCC leverages simulation technology that assists health professionals to improve their clinical skills in a risk-free environment.

VPCC capabilities include:

- 6 standardized patient exam rooms
- 5 large team training rooms
- 3 debriefing rooms
- 8 individual training rooms (partial task and virtual trainers)
- Virtual outpatient and inpatient pharmacies
- Audiovisual recording of simulated exercises for debriefing
- Partial task trainers in airway, central line placement, lumbar puncture, trauma resuscitation and diagnostic ultrasound
- Surgical simulators for endoscopic, laparoscopic, interventional vascular, urologic and gynecologic procedures
- High-fidelity human patient, neonatal, combat casualty and birthing simulators
- Standardized patients
- Computer lab
- Expertise in simulation-based curriculum development
- Expert debriefers
- Training of interprofessional teams - customized learning

Education Center

The EC promotes education through interactive conferencing capabilities:

- A 200-person, semicircular, tiered auditorium, hard-wired for satellite video-conferencing, audience response system, digital recording and high-speed internet access with Wi-Fi and direct connection capabilities
- 4 adjacent 40-seat classrooms
 - Can expand to 100-seats (theater style)
 - Flexible seating in three classrooms
 - Amphitheater-style, tiered fixed classroom seating in one classroom (seating 45)
- Cisco TelePresence high resolution conference room (seating 10)
- Executive board room (seating 38)
- Break-out space for social networking
- Dining space for 250
- Catering kitchen
- Exhibit space
- Built-in Registration area
- Meeting planner office

Tampa Bay Research & Innovation Center

TBRIC brings together medical faculty, engineers, computer scientists, management experts and industry partners to address important challenges.

TBRIC offers:

- Medical device accelerator program, and health technology assessment services, to enhance efficient and cost-effective development and commercialization of innovative medical technologies and products
- Modeling and simulation to generate advanced anatomical and analytical models, medical device and tissue factor analysis, development of innovative medical training systems and outcomes assessment
- Medical systems engineering to evaluate the effectiveness of medical technologies and devices, healthcare systems, and medical and surgical training programs, to improve delivery of effective and efficient healthcare
- Human factor analysis of medical technologies and devices, and the simulated medical training environment, to improve the safety and efficiency of medical care
- Innovative medical and surgical educational curriculum design, utilizing advanced simulators and high-tech assessment tools to accurately assess skills and improve outcomes

