

## Biomedical and Health Informatics Lecture Series

**Tuesday, January 18, 2011  
12:00 - 12:50 p.m., Room E-216**

**Brian K. Ross, MD, PhD**

**Professor, Department of Anesthesiology  
Director, Institute for Simulation and Interprofessional Studies (ISIS)**

### ***“ISIS: The First 5 Years”***

Dr. Ross’s presentation will present:

- The history of simulation and immersive education at the University of Washington that led to the birth of ISIS (Institute for Simulation and Interprofessional Studies)
- Advances in curriculum and course training
- Current and upcoming projects associated with ISIS
- Teaching and research opportunities within ISIS

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Dr. Ross is a product of the Northwest, growing up in Northern Idaho. He received his undergraduate training from Idaho State University and then went on to the University of North Dakota where he received his PhD in Respiratory Physiology. His doctoral work was focused on hyperbaric physiology, looking at the phenomenon of oxygen toxicity in deep sea environments. In 1975, following his PhD, he came to the University of Washington where he became a Pulmonary Fellow. Then, as did Anakin in Stars Wars, went to the ‘Dark Side’ and moved into Anesthesiology, doing his residency at the University of Washington. Following his residency he went to San Francisco and completed a two year fellowship on Obstetric Anesthesia, working with Sol Shnider, an internationally known figure in Obstetric Anesthesia.

He returned to the University of Washington where he joined the faculty and is currently a professor of Anesthesia, is a principle member of the Obstetrical Anesthesiology faculty, and in 2008, was named as an adjunct professor in the Department of Medical Education and Biomedical Informatics.

Dr. Ross’ interest in simulation led him to develop the Patient Simulation Center, for the Department of Anesthesiology at the University of Washington (1994). He has been lead of the simulation training efforts for the department since that time. Most recently Dr. Ross has been appointed by the Dean of the Medical School to be the Executive Director of ISIS – the Institute for Simulation and Interprofessional Studies – a multi-center, interprofessional initiative which has been given the mandate to provide cognitive and skills training across a 5 state region – Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI). He has developed over 20 courses for medical students, residents, and nurses. To promote careers in health care, he performs outreach to local high schools, conducting full-scale virtual operating room scenarios using the human patient simulator. Dr. Ross is the energy behind the advancement of medical simulation within the Department of Anesthesiology, reaching throughout the UW schools of medicine, nursing, and dentistry. He identified equipment and designed the labs that became the cornerstone of the Institute for Simulation and Interprofessional Studies (ISIS).