SDMS Student Competition Winners

These are projects which I mentored that won the student competitions sponsored by the Society of Diagnostic Medical Sonography (SDMS).

**Student Poster Winners (Undergraduates):**

**2010:** Can Ultrasound Be Used to Detect Foreign Bodies Under the Skin, 1st Place  
Investigators: JanCarla Holman, Megan Scheufele, Janell Stormo

**2012:** The Effect of Electromagnetic waves in cell phones on ultrasound images, 3rd Place  
Investigators: Quentin Bell, Nicole Cofer, Mary Beth Marx, Arielle Steffe

**2013:** The Effect of Sports on the Knee Joint, 2nd Place  
Investigators: Anna Craig, Mary K. Martin, Emily Spurlock

**2016:** Effect of Handling a Transducer on the Radial Nerve and Extrinsic Muscles of the Wrist, 2nd Place  
Investigators: Ashley Breckenridge, Emily Bromagen, Danielle Dowdy

**W. Frederick Sample Student Competition—Original Research (Graduates):**

**2012:** Investigation of the Potential Windows Available for Viewing the Tongue using Diagnostic Medical Ultrasound, 1st Place  
Investigator: Arin Hennessey


**2012:** Using ultrasound to asses first year sonography students for wrist injury, 2nd Place  
Investigator: Stephen Johnson

**2013:** Determining a correlation between subcutaneous fat layer thickness and BMI using Ultrasound, 1st Place  
Investigator: Andrew Cravens

**2013:** The Role Time Plays in the Wrist of the Sonographer: A Comparison of First-Year Sonographers and Experienced Sonographers, 2nd Place  
Investigator: Michelle Kingsbury

**2014:** Effects of Rockstar Energy Drink on Heart Function as Measured by an Echocardiogram, 2nd Place  
Investigator: Tiffany Floyd
SDMS Student Competition Winners

2015: Effects of Hand-Dominance and Hand Activity Levels on the Progression of Osteoarthritis, 1st Place
   Investigator: Emily Luckenbill

2015: An investigation of the relationships between the onset of pain, work experience, and ergonomic practices of sonographers, 2nd Place
   Investigator: Elizabeth Udina

2016: Evaluation of the relationship between pancreatic echogenicity and type 2 diabetes, 1st Place
   Investigator: Amanda Barlish

2016: Ultrasound visualization of the temporomandibular joint comparing multiple transducer approaches, 2nd Place
   Investigator: Rachel Gaffney