

# Poster Competition Award Winners



# **Undergraduate Student-Third Place**

**E. Nicole Hill, Mari S. Chinn,  
Craig G. Yencho, V. Den Truong**

**North Carolina State University**

**“Design of processing Conditions for  
Conversion of the Purple Sweet Potato  
to Useful Sugars”**

# **Undergraduate Student-Second Place**

**John P. Casey, Vernella V. Vickerman-Kelly,  
Roger D. Kamm**

**Louisiana State University  
Massachusetts Institute of Technology**

**“Optimizing Vascular Morphogenesis in a Self-Assembling Peptide Hydrogel”**

# **Undergraduate Student-First Place**

**Daniel Nelson, Sridhar Viamajala,  
Ronald C. Sims**

**Utah State University**

**“Omega-3 Fatty Acid Production  
from Crude Glycerol”**

# Graduate Student-Third Place

**Matthew Berginski and Shawn Gomez**

**University of North Carolina at Chapel Hill**

**“Automatic Characterization of Focal Adhesions in TIRF Microscopy Images”**

# **Graduate Student-Second Place**

**Russell Behler, Timothy Nichols, Melissa  
Caughey, Melrose Fisher, Caterina Gallipi**

**University of North Carolina at Chapel Hill**

**“Acoustic Radiation Force Impulse Ultrasound  
for Monitoring Hemostasis in Femoral Artery  
Puncture In vivo”**

# **Graduate Student-First Place**

**Yun Wang, Ronghui Wang, and Yanbin Li**

**University of Arkansas**

**“An optimized Interdigitated Array  
Microelectrode Based Immunosensor for  
Detection of Avian Influenza Viruses”**