

# Poster Competition Award Winners Undergraduate

# Undergraduate - Third Place

Kyle Struzyk

**Determination of a Cell's Metastatic  
Potential Using Variable Flow Rates in a  
Microfluidic Biochip**

Texas Tech University

# Undergraduate - Second Place

Lindsey Westbrook, Claire Daigre,  
Christi Wolgemuth

## Genetically Engineered System for Lignin Biodegradation

Mississippi State University

# Undergraduate - First Place

Abel Cortinas

## Microfluidic Separation of Blood Plasma Using Bifurcated Channels

Texas Tech University

# Poster Competition Award Winners Graduate

# Graduate - Third Place

Rameez Chatni

**Frequency Domain Fluorescence  
Lifetime Micro-well Platform for  
Respirometry Measurements**

Purdue University

# Graduate - Second Place

Courtney LeBlon

**Engineering Compliant Polymeric  
Substrata for Myocardial Contractility**

Lehigh University

# Graduate - First Place

Jonathan Claussen

**Electrochemical Biosensors of Templated  
Nanoelectrode Arrays**

Purdue University



# IBE Regional Meeting Winners

## **MISSISSIPPI REGIONAL MEETING - GRADUATE**

Tissue Engineering Cartilage for Osteochondral Defects

Scott Tran, Steve Elder

Mississippi State University

## **MISSISSIPPI REGIONAL MEETING - UNDERGRADUATE**

Genetically Engineered System for Lignin Biodegradation

Claire Daigre, Lindsey Westbrook, Christi Wolgemuth

Mississippi State University

# IBE Regional Meeting Winners

## **NORTHEAST REGIONAL MEETING**

A Novel Mathematical Model for Mesenchymal Stem Cell Motility in Three-Dimensional Synthetic Scaffolds

Joshua David Cohen, Douglas Lauffenburger  
Massachusetts Institute of Technology

## **ARIZONA REGIONAL MEETING**

Nutrient Deficiency Detection with Machine Vision in Controlled Environments

David Story, PhD  
University of Arizona