

## **Louisiana Awards Winners**

**Intel International Science and Engineering Fair (ISEF)**

**Reno, Nevada**

**May 2009**

A complete list of ISEF winners may be viewed at <http://sciserv.org/isef/results/index.asp>

### **GRAND AWARDS (AWARDS BY CATEGORY)**

#### **Animal Sciences (Presented by Intel) / Fourth Awards of \$500**

Melissa Severn McDowell, St. Joseph's Academy, Baton Rouge

*Differentiation of Bovine Adipose Derived Adult Stem Cells*

Taylor Paige Wood, Sam Houston High School, Lake Charles

*Natural Mosquito Control, Year VII: Field Evaluation of Botanical Extract Mexican Marigold, Tagetes minuta lucida, as a Barrier Spray for Managing Mosquitoes*

#### **Biochemistry (Presented by Agilent Technologies) / Third Award of \$1,000**

Kendall Marie Hughes, Caddo Parish Magnet School, Shreveport

*Mechanisms of Tumor Cell Invasion: The Role of Stat3 in Squamous Cell Carcinoma*

#### **Environmental Sciences (Presented by Intel) / Fourth Award of \$500**

Anita Vasudev Saraf, Alfred M. Barbe High School, Lake Charles

*Effect of Corticosterone on the Expression of Insulin Receptor mRNA in Xenopus laevis (African Clawed Frog)*

#### **Team Projects (Presented by Science News) / Fourth Award of \$500**

Garrett Wade Breaux and Cassandra Cheta Okoye, Ovey Comeaux HS, Lafayette

*Rescuing Our Natural Waters and Wetlands: Fighting Oil Spills through Bioremediation and Biostimulation, Phase II*

### **ORGANIZATION AND GOVERNMENT AWARD WINNERS (SPECIAL AWARDS)**

#### **American Meteorological Society / Second Award of \$1000)**

Candice F. Schwartzenburg & Lynne O. Chapman, St. Joseph's Academy, Baton Rouge

*Development of a Novel Method to Forecast Atmospheric Mixing Height, Year Three*

#### **American Physiological Society / Third Award of \$500**

Melissa Severn McDowell, St. Joseph's Academy, Baton Rouge

*Differentiation of Bovine Adipose Derived Adult Stem Cells*

#### **Florida Institute of Technology / Scholarship Award of \$12,500 per year**

Darren Jindal, Baton Rouge Magnet High School, Baton Rouge

*Cardiac Disease Detection: A Study of the Defining Characteristics of a Human Phonocardiogram*

**IEEE Computer Society / Team Second Award of \$400 for each team member**

Rebekah K. Unsworth and Mary R. Unsworth, Kingswood Academy, Sulphur

*The Development of a CAD to Find Abnormalities in Digital Radiographs, Phase II*

**National Taiwan Science Education Center / Trip to Taiwan International Science Fair**

Kendall Marie Hughes, Caddo Parish Magnet High School, Shreveport

*Mechanisms of Tumor Cell Invasion: The Role of Stat3 in Squamous Cell Carcinoma*

**Patent and Trademark Office Society / Third Award of \$150**

Sharis Nicole Steib, St. James High School, St. James

*A Novel Mercury Filter*