

3-30-2012

2012 Undergraduate Research Competition Program

Coastal Carolina University

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The Fourth Annual Undergraduate Research Competition

Friday, March 30, 2012 through Saturday, March 31, 2012

- **WHAT:** Each session will include an 8-10 minute presentation by an undergraduate student followed by 5-7 minutes of Q&A.
- **HOW:** Each session will be judged based on the criteria listed on the Celebration website. Judges will be Coastal Carolina University faculty. Refer to www.coastal.edu/inquiry/2012/competition.html for evaluation criteria.
- **WHERE:** All undergraduate research competition sessions will be scheduled in two small case study rooms Wall 304, 318 and 322.
- **WHEN:** See schedule of times below. All sessions are scheduled back-to-back.

The top three ranked presentations will be awarded \$500, \$300 and \$100. Award recognition will be on Saturday at 5:30 pm in Wall Auditorium after the Closing Session.

FRIDAY, MARCH 30

2:10 to 2:30 p.m. WALL 318

Claudia Ortuno and Abigail Smith

Faculty Mentor:

Alcohol and Energy Drinks

2:10 to 2:30 p.m. WALL 322

Jessica Cinardo

Faculty Mentor: Wes Fondren, Keira Williams

Handling Conflict: Males vs. Females

2:30 to 2:50 p.m. WALL 318

Russell Alston

Faculty Mentor: Carol Osborne

Sports or Scholarship: The Path to Success for the

African-American Teen

2:30 to 2:50 p.m. WALL 322

Aliyyah Willis

Faculty Mentor: Eldred Prince, Jr.

Freedom in Education: the Movement to Educate the

Freed Slaves during Reconstruction in the Pee Dee Area

2:50 to 3:10 p.m. WALL 318

Kaitlin O'Toole

Faculty Mentor: Anthony Albiniaak

Of Mice and Mozart: Evaluating Spatial Reasoning and

Memory of Rats (*Rattus norvegicus*)

2:50 to 3:10 p.m. WALL 322

Laura Clemmons

Faculty Mentor: Carol Osborne

Once Upon a Time in a Castle that Became a City:

Modern Fairy Tales for Adolescents

3:10 to 3:30 p.m. WALL 304

Lisa Richardson

Faculty Mentor: George Lyerly

Energy Expenditure of Walking vs. Riding a Round of

Golf in an Elderly Population

3:10 to 3:30 p.m. WALL 318

Haleigh Woodlief

Faculty Mentor: Michael Campbell

In Defense of Disney Princesses

3:10 to 3:30 p.m. WALL 322

Andrew Lesh

Faculty Mentor: Michael Campbell

Rumplestiltskin Rewritten

3:30 to 3:50 p.m. WALL 304

Jamie Roberson

Faculty Mentor: Michael Campbell

Red Riding Hood Revisited

3:30 to 3:50 p.m. WALL 318
Desmond Wallace
Faculty Mentor: Holley Tankersley
 Midterm Elections Used to Gauge President's Reelection Chances

3:30 to 3:50 p.m. WALL 322
Kevin Torres
Faculty Mentor: Carol Lane
 Linking Knowing and Doing

3:50 to 4:10 p.m. WALL 304
Dominique de Wit and Tennia Walker
Faculty Mentor: Pamela Martin
 Great Strides After Apartheid: The Economic Future of South Africa

3:50 to 4:10 p.m. WALL 318
Kaitlyn Zuilkowski
Faculty Mentor: Linda Palm
 Social Distance as a Function of Mental Health Status and Gender of College Student Peers

3:50 to 4:10 p.m. WALL 322
Noelle Teramani
Faculty Mentor: Caroline Knight
 The Importance of Non-Curriculum Classes in Elementary Students' Lives

4:10 to 4:30 p.m. WALL 304
Rebecca Ringrose
Faculty Mentor: Dodi Hodges
 Twenty-First Century Learning: Is Project Based Learning the Learning of the Future?

4:10 to 4:30 p.m. WALL 318
Lakesha Barnett
Faculty Mentor: Richard Aidoo
 The Study of African Politics in Contemporary Global Affairs

4:10 to 4:30 p.m. WALL 322
Marilyn Sussmann
Faculty Mentor: JongHan Kim
 When Body Meets Mind...

4:30 to 4:50 p.m. WALL 304
Singleton, Tonya
Faculty Mentor:
 Freaks, LD's and Rules: the Misrepresentation of Characters with disabilities in Adolescent Literature

4:30 to 4:50 p.m. WALL 318
Angela Pilson
Faculty Mentor: Cynthia Nycum
 Western Culture and the Spread of Serial Murder

4:30 to 4:50 p.m. WALL 322
Laney Benson
Faculty Mentor: Jeffrey Jones
 A Performance Perspective: "Un'aura amorosa" from Mozart's "Cosi fan tutte"

4:50 to 5:10 p.m. WALL 304
Barbara Exum
Faculty Mentor: Sharon Thompson
 Meal Deals - Not Such a Good Deal

4:50 to 5:10 p.m. WALL 318
Lorna Scribner
Faculty Mentor: Agatha O'Brien-Gayes
 LINKS; Learning INtegrating Kinetic Solutions

4:50 to 5:10 p.m. WALL 322
Brittany Gaillard
Faculty Mentor: Terry Pettijohn
 Effects of Menstruation on Women's Likelihood to Forgive

5:10 to 5:30 p.m. WALL 304
Zachary Grant
Faculty Mentor: Keira Williams
 Petro-Politics in Venezuela

5:10 to 5:30 p.m. WALL 318
Crystal Kimball, Shawn Karn and MaryLou Ireland
Faculty Mentor: Pat Bohannon
 The Prevention of Childhood Obesity

5:10 to 5:30 p.m. WALL 322
Alissa Miller
Faculty Mentor: Carol Osborne
 Gossip Girl: A Teenage Guide

SATURDAY, MARCH 31

8:50 to 9:10 a.m. WALL 318

Heather Estep

Faculty Mentor: Rob Young

Tursiops Truncatus Population Structure at North Inlet, S.C.

8:50 to 9:10 a.m. WALL 322

Kyle St. Clair

Faculty Mentor: Kevin Xu

Sediment Grain Size Characteristics along the Louisiana-Texas Continental Shelf After the 2011 Mississippi River Flood

9:10 to 9:30 a.m. WALL 318

Cathy Nguyen

Faculty Mentor: Deborah Hutchinson

Dietary Sequestration of Defensive Toxins by the Asian Snake Rhabdophis tigrinus

9:10 to 9:30 a.m. WALL 322

Christopher McHugh

Faculty Mentor: Rich Viso

Assessing the Hydrogeological Controls on Submarine Groundwater Discharge in the Duplin River Estuary

9:30 to 9:50 a.m. WALL 318

Sean Gilroy and David Walling

Faculty Mentor: Paul Richardson

Genetic Fingerprinting of T4 Bacteriophage

9:30 to 9:50 a.m. WALL 322

Ina Troutman

Faculty Mentor: Paul Richardson

Searching for Prophylactic Bacteriophages that Infect and Lyse Staphylococcus aureus or Escherchia coli.

9:50 to 10:10 a.m. WALL 318

Joseph Cannon

Faculty Mentor: Paul Richardson

The Effects of Salinity, pH and Dissolved Oxygen on the Sensitivity of PCR

9:50 to 10:10 a.m. WALL 322

Lynsey Deudne and Harley Seeger

Faculty Mentor: Fang Ju Lin

The Neuroprotective Effects of EGCG and Nicotine on Drosophila

10:10 to 10:30 a.m. WALL 318

Devin Howard

Faculty Mentor: Vladislav Gulis

Wood Decomposition and Associated Fungal Biomass in SC Salt Marsh

10:10 to 10:30 a.m. WALL 322

Robert Louder

Faculty Mentor:

Photocatalytic Activity of Zinc Oxide Thin Films

10:30 to 10:50 a.m. WALL 318

Jen Kisabeth

Faculty Mentor: Juli Harding.

Timing and Intensity of Crassostrea virginica Settlement in North Inlet and Dunn Sound, South Carolina 2011

10:30 to 10:50 a.m. WALL 322

Kevin Crowley

Faculty Mentor: David Evans

Co-Crystallization and Polymorphism of Naturally Occurring Peptide Derivatives

10:50 to 11:10 a.m. WALL 318

Lisa Brown

Faculty Mentor: Erin Burge

Macroalgae cover and composition correlated to densities of Diadema antillarum

10:50 to 11:10 a.m. WALL 322

Kelly Gregorcyk

Faculty Mentor: Richard Peterson

Seasonal hypoxia in the nearshore zone of Long Bay: Groundwater discharge as a driving force

11:10 to 11:30 a.m. WALL 318

Shannon Kelly

Faculty Mentor: Fang Ju Lin

A Devastating Disease: Fibrodysplasia Ossificans

11:10 to 11:30 a.m. WALL 322

Lauren Haller

Faculty Mentor: Deborah Hutchinson

Lessons Not Learned: Knowledge Gaps and Risky Protocol in the Oil Industry

11:30 to 11:50 a.m. WALL 318
Carrie Wein
Faculty Mentor: Rob Young
 Effects of “Ultrasound” on Completion of Difficult Cognitive Tasks in Relation to Dolphin Assisted Therapy

11:30 to 11:50 a.m. WALL 322
Kevin Kern
Faculty Mentor: Louis Rubbo
 Multimessenger Astronomy: Modeling Gravitational and Electromagnetic Radiation From a Stellar Binary Source

11:50 a.m. to 12:10 p.m. WALL 318
Kaitlyn Hofeldt
Faculty Mentor: Keira Williams
 The impact of whaling on countries’ tourism industries

11:50 a.m. to 12:10 p.m. WALL 322
Kelsey Couch
Faculty Mentor: Craig Gilman
 The Effects of Significant Rainfall Events on Surface Dissolved Oxygen Concentrations Off the Coast of Long Bay in South Carolina

12:10 to 12:30 p.m. WALL 318
Shawnee Lechliter
Faculty Mentor: Megan Cevalco
 Kleptoplasty: A Symbiotic Relationship between Plastids and Foraminifera at Waties Island, SC

12:10 to 12:30 p.m. WALL 322
Sarah Sexton
Faculty Mentor: Tessa Weinstein
 Making Waves in Long Island Sound

12:30 to 12:50 p.m. WALL 318
Melissa Sabbaugh
Faculty Mentor: Doug Van Hoewyk
 The involvement of the 26S proteasome complex in selenium toxicity

12:30 to 12:50 p.m. WALL 322
Whitney Hucks
Faculty Mentor: Linda Henderson
 U.S. Progress Toward IFRS

12:50 to 1:10 p.m. WALL 318
Rebekah Harding, Eric Morphy, Alex Hester, Amanda Mazzoni and Teyanna Lewis
Faculty Mentor: Janice Black
 Inspiring Entrepreneurs

12:50 to 1:10 p.m. WALL 322
Shayne Reddington
Faculty Mentor: Shelia Mitchell
 Enron: The Smartest “Guise” in the Room

1:10 to 1:30 p.m. WALL 318
Ly Pham
Faculty Mentor: Linda Henderson
 Who is REALLY Doing Your Taxes? :
 Unveiling the use of outsourcing in accounting

1:10 to 1:30 p.m. WALL 322
Kelsey Ritari
Faculty Mentor: Bomi Kang
 Ecotourism in the Grand Strand

1:30 to 1:50 p.m. WALL 318
Tiffani Cosson
Faculty Mentor: Michael Collins
 Perceptions of Walt Disney World:
 Antecedents to Return Visits

1:30 to 1:50 p.m. WALL 322
Janna Cole
Faculty Mentor: Carol Megehee
 Investigating the Role of Online Social Media in Consumer-Firm Relationships

1:50 to 2:10 p.m. WALL 318
Stephanie Wehrung
Faculty Mentor: Shelia Mitchell
 The Effect of IFRS Convergence on Coastal Carolina University Students

1:50 to 2:10 p.m. WALL 322
Mary Ewen
Faculty Mentor: Andrew Weinbach
 “If You Build it, They Will Come” The Economic Impact of NFL Stadiums

2:10 to 2:30 p.m. WALL 318
Kirsten Costello
Faculty Mentor: Taylor Damonte
 Can the Demand Problem Be Fixed? The Effect of Economic Crisis on the Lodging Sector of the Tourism Industry

2:10 to 2:30 p.m. WALL 322
Shelby McGee
Faculty Mentor: Monica Fine
 Factors that Impact Consumers' Attitudes Toward Quick Response Codes

2:30 to 2:50 p.m. WALL 318
Christine Po, Katie Roach, Iesha Wade, Janel Reeves
Faculty Mentor: Sharon Thompson
 Positive Beings @ Palmetto Bays: Health Education in the Elementary School

2:30 to 2:50 p.m. WALL 322
Taylor Epley
Faculty Mentor: Doug Van Hoewyk
 Analysis of a Neotropical Bromeliad Subjected to Drought

2:50 to 3:10 p.m. WALL 318
Sean Manahan
Faculty Mentor: Pamela Martin
 Westernization and Muslims in Western Europe

2:50 to 3:10 p.m. WALL 322
Jessie Benchley
Faculty Mentor:
 Accuracy of Age Predicted Maximal Heart Rate Equations

3:10 to 3:30 p.m. WALL 318
Joseph Pope
Faculty Mentor: Carol Osborne
 Teaching Graphic Novels as Literature to Adolescents

3:10 to 3:30 p.m. WALL 322
Kristina Gray
Faculty Mentor: Carol Osborne
 An In-depth Look into the World of Adolescent Literature--What defines normality, and thus defines abnormality?

3:30 to 3:50 p.m. WALL 318
Marilyn Sussmann
Faculty Mentor: Terry Pettijohn
 The Effects of Mate Attraction on Interest Towards Product Advertisements

3:30 to 3:50 p.m. WALL 322
Justin Helton
Faculty Mentor: Eleanor Finnegan
 Women's Activism in Saudi Arabia

3:50 to 4:10 p.m. WALL 318
Kayla Martin
Faculty Mentor: JongHan Kim
 Sit or Stand? Perceived Impact of Situations in Relation to Body Position

3:50 to 4:10 p.m. WALL 322
Jessica Humenik
Faculty Mentor: John Hutchens
 Does the Venus fly trap select prey based on size?

4:10 to 4:30 p.m. WALL 318
Kate Dowling
Faculty Mentor: Jackie Sgambati
 Nutrition Knowledge Division 1 College Athletes at Coastal Carolina University

4:10 to 4:30 p.m. WALL 322
Dea Kamberaj
Faculty Mentor: Terry Pettijohn
 Female Students' Clothing Styles and their Effect on Perceived Intelligence by College Professors

