



7. Children as Collateral Damage of Incarceration

Exploring the impact of paternal incarceration during childhood on adolescent academics, behavior, and friendship networks

CASSIE MEYER; APPLIED SOCIOLOGY

MENTOR: DR. COLIN CAMPBELL

8. Early Elementary Literacy Skills

Early elementary literacy skills

MACKENZIE THORLEY; FAMILY AND COMMUNITY SERVICES: CHILD DEVELOPMENT

MENTOR: DR. DENISE DONICA

9. Culture and Self-Perception: The Impact on College Students' Help-Seeking Behaviors

Does culture and self-perception have an effect on help-seeking behaviors of college students?

SHAMIN JAMADAR; PSYCHOLOGY

MENTOR: DR. JESSICA FORD

10. ACSL6 is Required for Spermatogenesis

The knockout of ACSL6, which is important for retention of fatty acids, is detrimental to spermatogenesis. This has major implications in treating diet-induced male infertility.

TAYLOR MALACHOWSKI; BIOLOGY

MENTOR: DR. CHRIS GEYER; DR. BEN HALE

CAPTURE
180 RESEARCH CHALLENGE

WELCOME TO CAPTURE 180 | 2018

The Capture 180 Research Challenge is a forum for students who have participated in undergraduate research and creative activity projects under the mentorship of a faculty member. This year we have ten students from all majors and departments competing for the prizes. The judges will choose one winner, and the audience will choose one.

ABOUT CAPTURE 180

The object is to describe work to a lay audience in 2-3 minutes, using one static slide or prop. It is based on the popular 3MT[®] competition for graduate students.

JUDGING & PRIZES

Capture 180 judges are distinguished community leaders and ECU administrators. They are charged to use the judging criteria of comprehension, content, engagement and communication (equally rated). They will deliberate after all the presentations, and the presenter that ranks first will be the Grand Champion. The audience is also encouraged to fill out a ballot with the same criteria. Audience ratings will determine the People Choice winner. Because the competition is short, winners are announced after the judges deliberate, and trophies are awarded immediately.

EVENT OVERVIEW

8:30AM - 8:45AM	JUDGE & PRESENTER CHECK-IN
8:45AM - 9:15AM	PRESENTATIONS
9:15AM - 9:30AM	MICHAEL HARRIS, PhD Miller School of Entrepreneurship
9:30AM	AWARDS

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PRESENTATIONS

1. Quantitating Benzoate Preservative Concentrations in Beverages for Use in Clinical Obesity Studies

A hidden contributor's role in America's obesity epidemic

AUSTIN ALLEN; BIOCHEMISTRY

MENTOR: DR. ALLISON S. DANELL; DR. DAVID N. COLLIER

2. More PEAS Please: Can Food-Based Learning Improve Preschoolers Vegetable Intake?

Examining the effect of repeated exposures to improve preschool children's vegetable liking and overall fruit/vegetable consumption

JOCELYN BAYLES; NUTRITION AND DIETETICS

MENTOR: DR. VIRGINIA STAGE; DR. ARCHANA HEGDE

3. Health For People In Need Everywhere (Health4PINE)

Mental, social, physical: how youth are learning to better themselves one tip at a time.

PRANAYA PAKALA; MOLECULAR BIOLOGY

MENTOR: DR. MARY FARWELL; DR. KEITH RICHARDS

4. Wavelets and S.M.A.R.T. Stats

Applying wavelet analysis to the problem of predicting hard disk failure

LOGAN CHILDERS; MATHEMATICS

MENTOR: DR. NJINASOA RANDRIAMPIRY

5. Bridging the Gap

Communication, relationships, and understanding: three areas of improvement required for Hispanic student success and increased parent involvement

MICHAEL DENNING; PUBLIC HEALTH STUDIES

MENTOR: DR. BERNICE DODOR

6. What Do We Really Know About Type II Diabetes?

Assessing the knowledge of East Carolina University students and faculty in regards to the treatment of Type II diabetes

KELLY KIMBLE; BIOLOGY AND RELIGIOUS STUDIES

MENTOR: DR. WALTER J. PORIES

(PRESENTATIONS CONTINUE ON TO THE NEXT PAGE)