

**Graduate Student, Postdoctoral Scholar, and Water Resources Center
Poster Presentations (In-Person)
Ballrooms, Main Campus Student Center**

Ballrooms | Biomedical Sciences

9:30-11:30 AM

GP 7

Effects of social dominance on the morphological and functional activity of the hypothalamic A11 dopaminergic nucleus, Carrie Adams

GP 8

Effects of perfluorooctanoic acid or high fat diet on whole body metabolism
Aya Ahmed¹, Matthew Wittenborn¹, Jamie DeWitt², Tracey Woodlief¹-
Pharmacology & Toxicology, Brody School of Medicine, East Carolina University, Greenville, NC¹,
Environmental & Molecular Toxicology, College of Agricultural Sciences, Oregon State University, Corvallis,
OR²

GP 9

Estrogen-Dependent Upregulation of Cardiac Per2 and Heart-specific miRNAs are associated with
Decreased Blood Pressure and Myocardial Oxidative Stress in Ovariectomized Rats
Syed Anees Ahmed¹, Baohong Zhang², Abdel A. Abdel-Rahman¹¹Department of Pharmacology and
Toxicology, Brody School of Medicine, ²Department of Biology, Life Sciences and Biotechnology Building,
East Carolina University, Greenville, North Carolina, United States

GP 10

Enhancing Neuroimaging Data Integrity: A BIDS and MRIQC-Based Pipeline for Quality Control and
Standardization
Bo Ao¹, Itza Sanchez Moncada¹, Julianna Catalano^{2,3}, Dhwani Hada², Francis A.M Manno¹
¹Department of Physics, East Carolina University, Greenville, NC
²Department of Psychology, East Carolina University, Greenville, NC
³Department of Biology, East Carolina University, Greenville, NC

GP 11

Optimizing the isolation of meiotic spermatocytes and post-meiotic spermatids from the mammalian testis
Heather A. Belcher, Bryan A. Niedenberger, Emma A. Gilbert, and Christopher B. Geyer

GP 12

Utilizing murine models of pertussis to evaluate a novel mRNA diphtheria, tetanus, and pertussis vaccine
Bitzer GJ^{1,2,#}, Wolf MA^{1,2}, DeJong MA^{1,2}, Fitzgerald NA^{1,2}, Boehm DT^{1,2}, Hall JM^{1,2}, Bevere JR^{1,2}, Barbier
M^{1,2}, and Damron FH^{1,2}
¹West Virginia University School of Medicine, Department of Microbiology, Immunology, and Cell Biology,
Morgantown, WV, USA.
²Vaccine Development Center, West Virginia University, Morgantown, WV, USA.
[#]New institution: East Carolina University, Brody School of Medicine, Department of Microbiology and
Immunology, Greenville, NC, USA.

GP 13

Sexually Divergent Estrogen-dependent Regulation of Cardiopulmonary Connexin-43
Collin Brinkley, Syed Anees Ahmed, Abdel A. Abdel-Rahman

GP 28

Adjusting Curriculum Based on Student Needs
Elizabeth Browning

GP 29

Utilizing Feminist Rhetoric to Foster Engagement in First-Year Composition Courses
Jackie Derritt

GP 30

Do Fidgets Improve Classroom Behaviors?
Amber Ellis

GP 31

Investigating Factors that Influenced the Motivation and Accountability of Seventh Grade Middle Schoolers
Tara Forehand

GP 32

Fostering Team Science Competencies within CUREs: Analysis of biology student writing prompts
Fiona Freeland, Heather Vance-Chalcraft

GP 33

¡Bienvenidos a ECU! Increasing Hispanic enrollment at ECU.
Rich Klindworth

GP 41

Comparison between WBGT App Prototype and WBGT Monitor to Assess Heat Stress Risk in Groundskeeping in an Eastern North Carolina University Setting
Bridget Angol

GP 42

Feasibility and acceptability of a mindfulness-based virtual reality program to promote mental health in older adults
Marcos Ardon Lobos, Jaehyun Kim, Matthew Fish

GP 43

Primary Tracheal Cancer: An Exploration Into the Treatment Outcomes, Demographic Trends, and Histology in the United States from 2000 – 2018
Kristen Armel^{1*}, Taylor Stamey¹, Andrew W. Ju², James E. Speicher³, Musharraf Navaid⁴, Aidan M. Burke², Michael C. Larkins^{1¶} & Arjun Bhatt^{1¶}

¹Brody School of Medicine, East Carolina University (ECU), Greenville, NC, United States

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⁴Division of Hematology/Oncology, Department of Internal Medicine, ECU Greenville, NC, United States

¶These two authors contributed equally to this work.

Taylor Brooke Stamey

GP 44

Self-Objectification in Collegiate Female Athletes

Rebekah J. Bergquist, BS & Bhibha M. Das, PhD, MPH, FACSM

GP 45

Unveiling Sperm Capacitation Dynamics: A Novel Spectral Flow Cytometry and Stochastic Modeling Approach

Benjamin Brisard¹, Aidan Charles¹, Ivie Henslee¹, Paul Vos², Debajit Bhowmick³, Cameron A. Schmidt^{1,4}

1 Department of Biology, East Carolina University, Greenville, NC

2 Department of Public Health, East Carolina University, Greenville, NC

3 Flow Cytometry Core, Brody School of Medicine, East Carolina University, Greenville, NC

4 Department of Physiology, Brody School of Medicine, East Carolina University, Greenville, NC

GP 46

Injuries and Fatalities in NC Farming, Logging, and Fishing: 2017-2023

Anna Doub - East Carolina University, Brody School of Medicine, Department of Public Health, Student
Robin Tutor Marcom - North Carolina Agromedicine Institute, East Carolina University, Brody School of Medicine, Department of Public Health, Mentor

Ballrooms | Natural Sciences

9:30-11:30 AM

GP 60

Development of 2D environmental dose-rate mapping of rock materials for OSL-dating

Mohammad Nazmul Alim

GP 61

The Investigation of the Soil Seedbank in a Long-term Mowing and Fertilization Experiment

Skyler DeWall

GP 62

OptoProfilin: A Single Component Biosensor of Cellular Stress

Jahiem Hill, Noah Mann, Kenneth Wang

Mentor: Robert Hughes

GP 63

Facile Synthesis of Beta Cyclodextrin Derivative

Yongtao Hu, Greyson Sanchez, Robert M. Hughes

GP 64

Structure and Dynamics of 15-Lipoxygenase-2

Andrew Jakobowski, East Carolina University, Department of Chemistry, Student

Adam R. Offenbacher, East Carolina University, Department of Chemistry, Mentor

Ballrooms | Social Sciences

9:30-11:30 AM

GP 71

Voices of Student Parents at East Carolina University

Madison Dickson and Dr. Sharon Ballard

GP 72

The Physical and Mental Health Care Outcomes of Integrated Care: A Systematic Review
 Rylan Hellstern

GP 73

Mindfulness-Based Virtual Reality in Combination With Expressive Writing to Determine the Impact on Anxiety and Mental Health in College Students
 Lyndsee M. Holder, Dr. Matthew Fish, Dr. Bhibha M. Das, Dr. Jaehyun Kim

GP 74

The relationship between isotopic evidence of childhood diet and childhood rickets in a 19th century Jordanian Bedouin population
 Delphi Huskey, Megan Perry, Robert Tykot

GP 75

Cervical Cancer Prevention Behaviors in Black Women
 Angela Johnson, MA, Brianna Bush, BS, Emma Muscari, MA, Michelle Ruiz, MA,
 Laura Palmo, MS, Lisa C. Campbell, PhD

GP 76

Serious Games in Support of School Consultation: An Examination of a Novel Approach to Behavior Intervention in Middle School Classrooms
 Kelly Lojinger (B.A.), Abby Miller (B.A.), Brandon Schultz (Ed.D.), Steven Evans (Ph.D.)

Ballrooms | Engineering, Technology, Computer Science,
 & Interdisciplinary Innovation

10:00 AM-12:00 PM

GP 1

Hemodynamics analysis in a patient with end stage renal disease under hemodialysis via arteriovenous fistula with pulmonary hypertension
 Fatemeh Bahmani (1), Kaitlin Southern (1), Alex Vadati (1), Veeranna Maddipati (2),
 Stephanie M. George (1)
 (1) Department of Engineering (2) Internal Medicine, Brody School of Medicine

GP 2

ANALYZING THE EFFECT OF REBAR HEATING ON BRIDGE STRUCTURES: SURFACE TEMPERATURE IMPLICATIONS
 Pablo Nunez Hernandez, B.S.
 Suranga Gunerathne, Ph.D.,P.E.
 Amin K. Akhnoukh, Ph.D., P.E., A.C.

GP 3

On Time in Game-Based Education: An Educator's Experience Desining an Adult Educational Game
 Lina Flowers, Adult Education

GP 4

Assessing Land Cover Change Land Cover Use (LCCLCU) In Jamaican Mangroves: A 30-year assessment of drivers of ecosystem gains and losses.
 Maria Gomez Saldarriaga

GP 5

Combining Style Transfer capabilities with the Segment Anything Model, Seyedhadi Seyed

GP 6

The Perils of Generative Model Inbreeding: Evaluating the Consequences of Cross-Model Training in Large Language Models, Gabrielle Stein, Nic Herndon

Ballrooms | Biomedical Sciences

10:00 AM-12:00 PM

GP 14

Oligomannose N-glycans Promote Invasiveness and EGF Stimulated Growth in Neuroblastoma
Burch AP, Hall MK, Schwalbe RA

GP 15

Investigating the role the polar autotransporter adhesin genes encoded by *Brucella* have on crossing mucosal barriers and virulence.
Connor B. Cribb, Graham J. Bitzer, Ian S. Barton, Daniel W. Martin, R. Martin Roop II

GP 16

Higher Sensitivity of Sprague-Dawley Rats Sub-strain to Vascular Endothelial Cell Growth Factor Receptor Inhibition Leads to Pulmonary Arterial Hypertension.
M.K. Donovan and Abdel A. Abdel-Rahman

GP 17

SK1 Is Upregulated Following Spinal Cord Injury in Zebrafish Affecting Recovery and Regeneration
Patrick Garrett

GP 18

Tissue-Intrinsic Signaling Effects on Niche Formation in *Drosophila* Gonads
Ariel Harrington and Lauren Anllo

GP 19

Quantification of Neutrophil Morphology through Diffraction Imaging
Ismail Ibrahim

GP 20

The pH-sensing G protein-coupled receptor GPR68 directs vascular proteome remodeling
Madison D. Williams¹, Kristen R. Carraway², Kyle D. Mansfield², Tonya N. Zeczycki², and David A. Tulis¹
Department of Physiology, Brody School of Medicine, East Carolina University, Greenville, NC¹
Department of Biochemistry and Molecular Biology, Brody School of Medicine, East Carolina University, Greenville, NC²

Ballrooms | Human Health

10:00 AM-12:00 PM

GP 47

Social anxiety in People Who Stutter
Amber Faircloth, M.S., CCC-SLP (1)
Patrick Briley, PhD, CCC-SLP (1)
1 Department of Communication Sciences and Disorders, East Carolina University

GP 48

Association of Timing and Displacement Measures with Bolus Clearance Ratio following Intensive Prophylactic Therapy in Head and Neck Cancer Patients

Mark Gardener, BFA, BM, MM¹; Deirdre Larsen, PhD^{1,2,3}

GP 49

Effects of Maternal Exercise on Infant Mesenchymal Stem Cell Mitochondrial Functioning, Content, and Infant Body Composition in Early Infancy

Filip Jevtovic, Alex Claiborne, Kara Kern, Breanna Wisseman, Ericka Biagioni, Dylan Steen, Linda May, Alex Claiborne, Kara Kern

GP 50

Skeletal muscle metabolism inconsistent with whole-body metabolic flexibility in overweight, nondiabetic individuals

Polina Krassovskaia, Filip Jevtovic, Marta Chorzepa, Terry Jones, Charles Tanner, Donghai Zheng, Walter Pories, Lynis Dohm, Joseph Houmard, Nicholas Broskey

GP 51

Exploring Protective Factors Against Adverse Childhood Experiences in Primary Care: A Systematic Review Based on Ungar's Socio-Ecological Resiliency Model

Betül Küçükardalı-Cansever, MA, PhD Candidate in Medical Family Therapy

Abby Elizabeth Caldwell, BS in Biology

Natalia Sira, PhD, MD

Angela Lamson, PhD, LMFT

GP 52

Soleus Cross-Sectional Area and Fiber-Type Shift at the Intersection of Age and Exercise

Justin McCrary^{1,*}, Anna Webster^{1,*}, Emily Bowser², Emily Rust², Ted G. Graber^{1,2,3,4}

*=equal contributions

Affiliations:

1 Ecu Dept, of Physical Therapy, 2 ECU Dept. of Kinesiology, 3 ECU Dept. of Physiology, 4 East Carolina Diabetes and Obesity Institute

GP 53

Tensor Veli Palatini Differences Between Children With and Without Cleft Palate: A Preliminary Volumetric Analysis

McKenzie Perry, BS; Julia Gillespie; Imani R. Gilbert, MS; Taylor D. Snodgrass, MS; Jamie L. Perry, PhD

Ballrooms | Social Sciences

10:00 AM-12:00 PM

GP 77

Multiple Group Categorical CFA: Comparisons of NC and SC Elementary Students on Social Emotional Health Survey-Primary

Kaitlynn Carter, Brandon Schultz, EdD, NCSP, Alexander Schoemann, PhD, Mark Weist, PhD

GP 78

Disparities in anxiety, depression, and perceptions of school climate between Latino English Language Learners (ELL) and Latino non-ELL students.

Abby Miller, Kelly Lojinger, Dr. Brandon Schultz, Dr. Mark Weist

GP 79

Exploring the Impact of Pre-Medicare Coverage Gaps on Healthcare Utilization Among Older Adults: A Study of Medicare Enrollees in the United States

Jada L. Morris, Dr. Dmitry Tumin, Dr. Yan Zhang, PhD

GP 80

Where the 'Middle' is Our Specialty: The Tuscarora as Middlemen at Fort Neoheroka

Mallory Purser

GP 81

Using stable carbon and nitrogen isotope values to estimate exposure to agricultural chemicals among green monkeys (*Chlorocebus sabaues*) in St. Kitts

Emilia N. Rose & James E. Loudon

GP 82

Mental Health Concerns and Help Seeking Behavior among Latinx College Students

Michelle Ruiz

Angela J Johnson, Laura Altagracia Palmo

GP 83

Exploring Literature on Black Women's Experiences with Perinatal Loss, Grief, and Coping

Annagrace Saufley and Sandra Lookabaugh, Ph.D.

GP 84

Pouring Over the Past: Interpreting Life at a Colonial Tavern

Addison Siemon

Ballrooms | Education

1:00-3:00 PM

GP 34

Parental Involvement with Homework During Elementary Years

Elizabeth Lasson

GP 35

The Link between Consistent Social Emotional Learning and Student Academic Performance

Jenna McLawhorn

GP 36

Cancelled

GP 37

Creative Atmospheric Conditions Presentations Through the Use of Guided Research Inquiry-Based

Instruction: Action Research Proposal

Zion Streeter

GP 39

Parents' and Teachers' Perceptions of the Effectiveness of Preschool in Terms of Mathematical Kindergarten Readiness

Stephanie Wood

GP 40

Effects on Student's Performance from Parent Knowledge of Self-Contained and Inclusive Classrooms
Sonomia Lewis

Ballrooms | Biomedical Sciences**1:00-3:00 PM****GP 21**

Development of novel compact wind tunnel for testing efficacy of insecticide formulated products in mosquitoes

Will Murray^{1,2}, Sinan Sousan^{2,3}, Avian White¹, Kaya Peyton⁴, Raven Slade¹, Stephanie Richards^{1,5}

¹Environmental Health Science Program, Department of Health Education and Promotion, College of Health and Human Performance, East Carolina University

²Department of Public Health, Brody School of Medicine, East Carolina University

³North Carolina Agromedicine Institute

⁴Department of Environmental, Earth, and Geospatial Science, College of Health and Sciences, North Carolina Central University

⁵Project Mentor

GP 22

Physical Characterization and Cellular Testing of Polymeric Micelle Formulations for Intravenous Delivery of Hydrophobic Anticancer Drugs

Ashton Norris, Tyler King, Rukiyah Van Dross, Kathleen Thayne, Colin S. Burns

GP 23

Modeling of blood pressure wave propagating in artery

Yonghong Qin

GP 24

Deciphering the Role of Renin-Angiotensin-Aldosterone System in Hypertension: A Comprehensive Study on Receptor Dynamics and Left Ventricular Function

Berwin Singh Swami Vetha, DaQuan Rudolph Mebane

GP 25

The transcriptomic cortical alterations in profound hearing loss

Xuan Wang, Itzamná Sánchez-Moncada, Bo Ao, J. Tilak Ratnanather, Francis A. M. Manno

GP 26

Overexpression of the Ecdysone Receptor promotes an undifferentiated transitional state during germline stem cell differentiation

Alexandria Warren, Lauren Jung, Elizabeth Ables

GP 27

Cancelled

Ballrooms | Human Health**1:00-3:00 PM****GP 54**

Event-related potential (ERP) measurement of noun and verb production in aphasia

Sarah Porter, East Carolina University

Matthew Walenski, East Carolina University

GP 55

Functional and Temporal Velopharyngeal Muscle Movements During Speech

Samantha J. Power¹, MS, Bradley P. Sutton², PhD, Jamie L. Perry¹, PhD

1 Department of Communication Sciences and Disorders, East Carolina University, Greenville, NC

2 Bioengineering Department, University of Illinois at Urbana Champaign, Urbana, IL

GP 56

Comparison of displacement measures on modified barium swallow studies between symptomatic and asymptomatic people with cricopharyngeal dysfunction

Alyssa Rowe, Wilson Wysor, Deirdre Larsen

GP 57

RETURN TO RUN PROTOCOLS AND LOAD PROGRESSIONS FOR BONE STRESS INJURY: A RAPID REVIEW

Emily Seguin, SPT

Sarah Johnson, PT, DPT

Stacey Meardon, PT, PhD

GP 58

Intraductal Carcinoma of the Prostate (IDC-P): Treatment, Demographic, and Geographic Trends in the United States

Taylor Stamey¹, Kristen Armel¹, Andrew W. Ju², Shoujun Chen³, Musharraf Navaid⁴, Michael C. Larkins^{1¶} & Arjun Bhatt^{1¶}

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²Department of Radiation Oncology, ECU, Greenville, NC, United States

³Department of Pathology & Laboratory Medicine, ECU, Greenville, NC, United States

⁴Division of Hematology/Oncology, Department of Internal Medicine, ECU Greenville, NC, United States

¶These two authors contributed equally to this work.

Kristen Elizabeth Armel

GP 59

Effect of High Intensity Interval Training on Physical and Cognitive Function in Middle-Aged Male C57BL/6 Mice

Justin Stephenson¹, Tuan Tran², Ted Graber^{1,3,4,5}

Ballrooms | Natural Sciences

1:00-3:00 PM

GP 65

Like two peas in a pod: The co-occurrence of metal and antibiotic resistance genes across aquatic ecosystems

Cory Joyner¹, Erin Field¹

¹Department of Biology, East Carolina University

GP 66

Investigating links between pectin dynamics and meristem activity in maize

Charles Maus, Daniel Maynard, Hailong Yang, Beth Thompson

GP 67

Population demographics and parasite prevalence of the non-native green porcelain crab (*Petrolisthes armatus*) at the northernmost limit of its range

Schulte, M., Gittman, R.K., Geesin, M.E., Zamudio-Jimenez, E., Stancil, C.K., Blakeslee, A.M.H.

GP 68

Transcriptomic analysis of white-fingered mud crabs uninfected and infected with a castrating parasitic barnacle.

Carter Stancil, Michael Brewer, April Blakeslee, Zac Tobias, Carolyn Tepolt

GP 69

Artificial Reefs as Climate Refugia: Investigating How Man-Made Habitat Affects Changing Spawning Phenology and Distribution in Groupers and Snappers

Charles Veith and Rebecca Asch

GP 70

Cancelled

Ballrooms | Social Sciences

1:00-3:00 PM

GP 85

The Heart of the Problem: Assessing the Relationship between Workaholism and Health-Related Outcomes

Adam Tresidder

Shahnaz Aziz, Ph.D.

GP 86

Every Therapist Needs a Therapist: A Tentative Theory Exploring How Therapists-in-Training and Recent Graduates Decide to Attend Therapy

Mary Wheeler

GP 87

The effects of self-efficacy on the temporal and behavioral consistency on pre-performance routines in an ROTC shooting task.

John White-Singleton

GP 88

Prediction to the MAX(ent): Comparing Logistic Regression Predictive Models to Maximum Entropy Models in the North Carolina Coastal Plain

Libby Wruck

GP 89

Dead Men Tell No Tales, But Animal Bones Do

Jay Mayfield-Loomis

GP 90

Lost not Found: A comparative analysis of the Cape Creek site and its connection to the Lost Colony

Autumn Jean Saski

GP 91

Assessment of Dry Detention Basins to Evaluate Retrofit Potential for Water Quality

Joseph Abuarab

Michael O'Driscoll - Department of Coastal Studies

Guy Iverson - Department of Health and Human Performance

Rob Howard - Department of Geography

GP 92

Mapping Nearshore Bathymetry for Coastal Resilience in the Caribbean

Daystar Babanawo, David Lagomasion, Siddharth Narayan

GP 93

Spatial dynamics of mangrove mosquito communities: temporal shifts, connections to environmental conditions, and associations with human–mosquito interactions

Kinsey Blumenthal, David Lagomasino, Aaron Kipp, Stephanie Richards, Lawrence Reeves, Rachael Gitman

GP 94

Industrial Fishing and its Impacts on Food Security: A Systematic Review

Samantha Farquhar

GP 95

Factors influencing nitrogen treatment performance of in-stream and stormwater outfall regenerative stormwater conveyances in the NC Coastal Plain

Colin Finlay^{1,2}, Michael O'Driscoll^{2,3}, Ariane Peralta^{1,2}

1 Department of Biology, East Carolina University

2 Water Resources Center, East Carolina University

3 Department of Coastal Studies, East Carolina University

GP 96

Evaluation and application of a soil water content metric in North Carolina watersheds

Jennifer Fulcher

GP 97

Foraminifera as Indicators of Sediment Transport by Hurricanes, Onslow Bay, NC.

Asher Jacobik, Stephen J. Culver, David J. Mallinson

GP 98

Calibration of two electromagnetic induction (EMI) sensors for their use in soil conductivity mapping of salinated agricultural fields.

Blake King

Alex Manda

Matthew Sirianni

GP 99

Assessing Changes to Sediment Transport, Microfauna, and Seabed Morphology Related to a Coastal Restoration Project: Sugarloaf Island, NC

Kristen N. Malosky, David Mallinson, Steve Culver

GP 100

The impact of hurricanes on the resilience of spot (*Leiostomus xanthurus*) off the North Carolina coast
Jessica N Miller, Rebecca G Asch

GP 101

Improving the Coastal Carbon Cycle with Space Based Observations of Reef Complexity
Shalimar G. Moreno, David Lagomasino

GP 102

Hydrogeophysical investigation of Shackleford Banks using electrical resistivity tomography examining freshwater availability and quality

Jackson Rizzolo
Matt Sirianni

GP 103

Pay Attention to Small Flooding: A Review on Socio-Economic Risks of High-tide Flooding
Yicheng Xu

GP 104

Assessing Nutrient Reduction of Town Commons Creek's Green Infrastructure
Brice Long (Department of Engineering and Technology), Neda Safari (Department of Geography, planning, and Environment), Skyler Morris (Department of Biology), Lucia Wall (Department of Environmental Studies and Biology), Dr. Moysey (Department of Geological Science), Dr. Manda Department of Geological Science), Dr. O'Driscoll (Department of Coastal Studies), Dr. Sirianni (Department of Geological Science)

Ballrooms | Natural Sciences/Water Resources Center C

2:30-4:30

GP 105

WaterCorps - A student led environmental consulting organization: Updates and Opportunities
Braden McPhillips, Camryn Landreth, Nicholas Kruchten, Matthew Sirianni

GP 106

Seasonal and Spatial Variability of Recreational Water Quality at Nags Head, NC
Austin Newton Mentors: Manda, Alex, Moysey, Stephen, O'Driscoll, Michael

GP 107

Factors That Affect Polyphosphate-Accumulating Organism Performance in Enhanced Biological Phosphorus Removal

Autumn Robinson¹, Ketan Chamakura¹, Katherine Foster¹, Anna Koirala¹, Gary Li¹,
Natasha Bell,² Erin Field¹

¹ Department of Biology, East Carolina University, Greenville, NC, USA

² Department of Biological Systems Engineering, Virginia Tech, Blacksburg, VA, USA

Funding: UNC Research Opportunities Initiative

GP 108

Socio-ecological Restoration at the Boundary *Integrative Monitoring in South Florida Protected Areas*
John Edward Sabin III

GP 109

Hybrid constructed wetlands for treatment of marine aquaculture wastewater

Kimiya Yousefi, Department of Chemistry, East Carolina University.
Natasha Bell, Department of Biological Systems Engineering, Virginia Tech.
Randall Etheridge, Department of Engineering, East Carolina University.
Steve Hall, North Carolina State University, Biological and Agricultural Engineering.

GP 110

Analyzing Public Support for Sustainable Hog Production in North Carolina
Katie Wagner

GP 111

Utilizing the Calm Before the Storm: An Exploration of Disaster Mitigation in Princeville, North Carolina
Alexandra Stevenson

GP 112

Exploring the Implementation of Urban Social-Ecological Gradient Analysis
Roshan Saud¹ and Steven M. Richter¹
¹Department of Geography, Planning and Environment

Ballrooms Water Resources Center Community Partners	2:30-4:30
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WRC 113

CAR's History of fighting for justice and supporting Working People
Don Cavellini, Eddie Williams
Pitt Co. Coalition Against Racism (CAR)

WRC 114

Impacts on the Biodiversity, Abundance, and Community Composition of Fish Larvae and Zooplankton Due to Ship-Channel Dredging
Rebecca G. Asch, Naomi Jainarine, Abigail Alford, Brian Bartlett, Christine Chan, Elise Easterling, Esra Gokturk, Peyton Jackson, Taniya Johnson, Caitlin McGarigal, Quentin Nichols, Brianna Salazar, Jalen Walker, Zachary Reece Warfel, Ceilia Wood, Mae Wright
East Carolina University, Department of Biology

WRC 115

ROCK Museum
ROCK Museum/Kaye Lees Corner Foundation
Kaye Lee Brady

WRC 116

Greenville Rotary Community Work
Hunt McKinnon

WRC 117

A Process for Asset Mapping to Develop a Blue Economy Corridor
Dr. Emily Yeager, Dr. Beth Bee, Taylor Cash, Anjalee Hou, Michael Schilling, Kelsi Dew
Recreation Sciences

WRC 118

Communities thrive within strong networks. Come be a part of the NC EJ Network.
Dani Lin Hunter and Chris Hawn
NC Environmental Justice Network

WRC 119

Environmental Justice Work in Sampson County
Hayley Gorham, Sherri White-Williamson, Denise Robinson, Saisha Neilsen, Christian Felipe
Environmental Justice Community Action Network

WRC 120

Together for a common cause? Cooperative tendencies in transdisciplinary research groups aimed at solving water quality and quantity issues in Eastern North Carolina.
Kyra Selina Hage, Delnaz Amroliwalla, Marcia R. Hale, Poonam Arora, Stephen Moysey
Department of Coastal Studies

WRC 121

Leading Inclusive Transformation in the Geoscience Community via an Intercultural Network of Learning Ecosystems - LIT GEO
Adriana Heimann Ríos, Edu Leorri, Alex Manda, Stephen Moysey
Department of Geological Sciences, East Carolina University

WRC 122

Herring Run Creek Tributaries Monitoring Project
Sarah Whifield
2024 WHS APES Students
Washington High School, BCS

WRC 123

Impact of Ship-Channel Dredging on Zooplankton Abundance and Species Composition in Summer Months in Beaufort Inlet, North Carolina
Taniya Johnson, Lulea Adams, Abigail Faith, Naomi Jainarine, Rebecca Asch
Asch Lab

WRC 124

Innovation Early College High School (IECHS) research: Investigating the effects of hog farming on local rivers in Eastern North Carolina
Joseline Mata, Kamora Gorham, Joseph Eakes, Alanna Matthews, AbdalRahman Musallam, Jasmin Perez, Oana Ridsen, Bobby Bowser, Stephen Moysey

WRC 125

Coastlines and People Community Water Corps
Gigi Otranto, Jalind Lampa, Kent Brantley, Deshawn Matthews, Austin Newton, Emily Killebrew, Lauren Holliman, Dave Schwartz and Tara van Niekerk.

WRC 126

WaterCorps ~ A Student-Led Environmental Consulting Organization/Updates and Opportunities
Jeffrey McPhillips, Camryn Landreth, Nicholas Kruchten, Matthew J. Sirianni, Stephen Moysey

WRC 127

NC Community Information Portal
Water Resource Center

WRC 128

Investigation of Storm Surge Versus Saltwater Intrusion on Coastal Aquifer Salinization in Hyde County, North Carolina. Elnaz Pezeshki Stephen Moysey, Alex Manda, Andrea Gibbs, Tyler Palochak, Jon Gullett