

Graduate & Post-Doc Poster Presentations

All Poster Sessions are Tuesday, April 1st in the Ballrooms of the Main Campus Student Center

By Number

Number	First Name	Last Name	Title	Topic	Time
GP1	Dillon	Garbrandt	Renal Oxidative Stress in Renin-Angiotensin-Aldosterone Model of Hypertension	Biomedical Sciences	10:00 - 12:00
GP10	Elody	Bensch	Vibrio fischeri Biofilm Regulation: Uncovering the Structural and Functional Mechanism of SypA and SypE	Biomedical Sciences	1:00 - 3:00 PM
GP11	Mina	Norman	PUF-8 and CYB-3 Promote Germline Stem Cell Proliferation and Tumorigenesis by Inhibiting CED-4-Mediated Apoptosis	Biomedical Sciences	1:00 - 3:00 PM
GP12	Aravind	Elangovan	Analysis of Fibrin Fiber Polymerization	Biomedical Sciences	1:00 - 3:00 PM
GP13	Miranda	Harkess	Fibrin Fiber Tension Dynamics During Fibrinolysis: Investigating the Impact of Pregnancy	Biomedical Sciences	1:00 - 3:00 PM
GP14	Ponette	Kleutgens	Dopaminergic and Opioid Combination Drug to Treat Peripheral Nerve Injury	Biomedical Sciences	1:00 - 3:00 PM
GP15	Will	Murray	Efficacy of Oil- and Water-Based Mosquito Control Formulated Products Evaluated Against Mosquitoes in a Novel Compact Wind Tunnel	Biomedical Sciences	10:00 - 12:00
GP16	Raven	Slade	Droplet Distribution of Formulated Products on Mosquitoes Exposed via Wind Tunnel	Biomedical Sciences	10:00 - 12:00
GP17	Kai	Li	Fibroblastic Reticular Cells And HIV Latency Establishment	Biomedical Sciences	10:00 - 12:00
GP18	Ansleigh	Reid	The Redox Environment Influences Transglutaminase 2's (TG2's) Conformational Ensemble	Biomedical Sciences	10:00 - 12:00
GP19	Kylar	Wiggins	The Role of Amyloid Beta Peptides in the Innate Immune System: Antimicrobial Properties and Contributions to Alzheimer's Disease Onset	Biomedical Sciences	10:00 - 12:00
GP2	Collin	Brinkley	Site-specific Connexin-43 Phosphorylation Contributes to Left Ventricular Dysfunction in Estrogen Treated Male Rats	Biomedical Sciences	10:00 - 12:00
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GP21	Constantin	Heinemann	The effect of fighter and helicopter helmets on cervical extensor muscle force in flight postures	Biomedical Sciences	10:00 - 12:00
GP22	Taylor	Gay	The Importance of Hearing Birthing Stories: What Surveys Don't Tell Us	Human Health	10:00 - 12:00
GP23	Morgan	Johnson	How Neighborhood Community Centers Map play a role in improving maternal health outcomes	Human Health	10:00 - 12:00
GP24	Charlie	McFee	Impacts of Inflow and Infiltration on the Nitrogen Removal Efficiency of Three Wastewater Treatment Plants in Eastern North Carolina	Human Health	10:00 - 12:00
GP25	Karie	Lyman	Turn2Care: Staff Driven Initiative to Increase Turning and Repositioning Compliance for Patients with BMAT Scores of 1 & 2	Human Health	10:00 - 12:00

GP26	Michael	Denning	Comparing prehospital time among pediatric poisoning patients in rural and urban settings	Human Health	10:00 - 12:00
GP27	Carlos	Ochoa	Investigating the Role of pH-sensing G Protein-Coupled Receptors GPR4 and GPR132 in Colorectal Cancer: Multi-Statistical and Survival Analysis Approach	Interdisciplinary Innovation	10:00 - 12:00
GP28	Spencer	Jones	Rolling the Dice: The Alarming Rise of Gambling Among Emerging Adult Men	Interdisciplinary Innovation	10:00 - 12:00
GP29	Anita	Bhandari	Evaluating Object Detection Algorithms for Crowded Sperm Microscopy Videos	Technology & Computer Sciences	10:00 - 12:00
GP3	Kylie	Cashwell	Beyond CASA: A New Framework for Sperm Motility Analysis	Biomedical Sciences	10:00 - 12:00
GP30	Simon	Polishchuk	Transformer Network for Brain Activity Source Localization in EEG Measurements	Technology & Computer Sciences	10:00 - 12:00
GP31	Saumya	Jaiswal	AI-Driven Innovation for Next-Generation Vision Healthcare: A First Step Toward Intelligent and Proactive Eye Care Solutions	Technology & Computer Sciences	10:00 - 12:00
GP32	Lee	Ostadi	An Autoencoder for 3D Gaussian Splatting: Enabling Transformations of 3D Scenes Through a Learned Latent Space	Technology & Computer Sciences	10:00 - 12:00
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GP40	Natalie	Clark	Distal Bicep Tendon Repair: Utilizing Knotless Retensionable All Suture Anchors Technique	Human Health	10:00 - 12:00
GP41	Naina	Sharma Bastakoti	Occupational Hazards Among Mosquito Control Personnel	Human Health	10:00 - 12:00

GP42	Lexi	Anderson	Knowledge and Attitudes Towards Pain Management in Critical Care Nurses	Human Health	10:00 - 12:00
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GP44	Elizabeth	Klemm	The reliability and validity of ultrasound elastography to quantify muscle tension	Human Health	10:00 - 12:00
GP45	Andrew	Jakobowski	Allosteric Regulation of Human 15-Lipoxygenase-2 by Calcium and Heavy Metal Interactions	Natural Sciences	1:00 - 3:00 PM
GP46	Jayson	Eldridge	Chemical Fingerprinting of Gahnite: Implications for Critical Mineral Exploration and Deposit Discrimination	Natural Sciences	1:00 - 3:00 PM
GP47	Anna	Smith	Preliminary Assessment of Nitrogen Treatment Efficiency of a Retrofit Stormwater Wetland	Natural Sciences	1:00 - 3:00 PM
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GP49	Emily	Scott	Examining astrocyte development and plasticity in zebrafish (Danio rerio)	Natural Sciences	1:00 - 3:00 PM
GP5	Rachael	Johnson	Defining mechanisms that regulate cell divisions in a stem cell niche	Biomedical Sciences	10:00 - 12:00
GP50	Kayla	Evans	Prevalence and Diversity of Plasmodium Parasites in Sympatric, Free-Ranging Lemur Species in Madagascar.	Natural Sciences	1:00 - 3:00 PM
GP51	Cambria	Miller	Invasive species blues: Investigating trophic impacts and distribution of blue catfish in Albemarle Sound	Natural Sciences	1:00 - 3:00 PM
GP52	Ellissa	DeFeyter	Decadal Changes in Ichthyoplankton Community Composition along Inshore-Offshore Transects in Onslow Bay	Natural Sciences	10:00 - 12:00
GP53	Terry	Papavasilis	The Science of Shipwrecks: Diving into the Ecology of the Graveyard of the Atlantic	Natural Sciences	1:00 - 3:00 PM
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GP55	Tori	Cole	Development of new anti-fouling coatings with improved environmental capabilities	Natural Sciences	1:00 - 3:00 PM
GP56	Yongtao	Hu	Organic catalytic and improved cell delivery potential of beta cyclodextrin derivative	Natural Sciences	1:00 - 3:00 PM
GP57	Lizzy	Rottenberk	Zeros of moments of characteristic polynomials of random matrices	Natural Sciences	1:00 - 3:00 PM
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GP59	Margaret	Milteer	"Shorty Your Silence Was Golden:" What Grave Markers Can Tell Us Beyond the Epitaph	Social Sciences	1:30 - 3:30 PM
GP6	Madi	Swyers	The Effect of GPR4 and GPR68 knockouts on B16F10 Subcutaneous Tumor Growth and Modulation of the Tumor Microenvironment	Biomedical Sciences	10:00 - 12:00
GP60	Tori	Weiss	Do Patterns Matter? Testing the Spanish Colonial Pattern on Charles Towne, North Carolina	Social Sciences	1:30 - 3:30 PM
GP61	Daisy	Edmondson	Sensitive Topics in Romantic Relationships	Social Sciences	1:30 - 3:30 PM

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GP7	Syed Anees	Ahmed	Estrogen-Dependent Exacerbation of Ethanol-Induced Cardiac: Role of Circadian Clock Protein Period 2 Suppression and Ferroptosis Augmentation	Biomedical Sciences	10:00 - 12:00
GP70	Addison	Carrasquillo	Navigating Anxiety and Uncertainty: Cultural Adjustment of International Students at ECU	Social Sciences	1:30 - 3:30 PM
GP71	Megan	Milter	How Murals Illustrate Northern Ireland's Political and Sectarian Conflict Through Political and Non-Political Messages	Social Sciences	1:30 - 3:30 PM
GP72	Ciara	Covington	Unlocking Employee Well-Being: The Mediating Effect of Diversity Climate in an Inclusive Workplace	Social Sciences	1:30 - 3:30 PM
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GP76	Caitlin	Elliott	The Impact of STEM Education	Education	1:30 - 3:30 PM
GP77	Abby	Harrison	English Language Learners' Parental Involvement	Education	1:30 - 3:30 PM
GP78	Heather	Jones	Bridging the Literacy Gap: Analyzing the data of CFA and mClass Assessments in Rural, Low-Income Communities	Education	1:30 - 3:30 PM
GP79	Eryn	McGahhey	Internship Insanity: An Investigation into the Stress Levels and Coping Strategies of Preservice Teachers	Education	1:30 - 3:30 PM
GP8	Vedant	Deshpande	Engineering and Biological Aspects of Microwave-Based Bacterial Spore Inactivation: A Case Study with <i>B. subtilis</i>	Biomedical Sciences	10:00 - 12:00
GP80	Robyn	Spence	Attendance Patterns at a Title I Elementary School	Education	1:30 - 3:30 PM
GP81	Kelsey	Stewart	Comparing Classroom Engagement Strategies between Native English Speakers and English Language Learners	Education	1:30 - 3:30 PM
GP82	Kaitlyn	Tucker	Growth of Gifted Learners	Education	1:30 - 3:30 PM
GP83	Jennifer	Lee	Teacher-Mentors Impacting Today's Middle School Students with Organization Strategies	Education	1:30 - 3:30 PM

GP84	James	Williams	Deep learning in cyber security	Technology & Computer Sciences	10:00 - 12:00
GP9	Bo	Ao	Structural Hemisphericity in Pediatric Hearing Loss: The Role of Twist and Torque	Biomedical Sciences	1:00 - 3:00 PM

By Last Name

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