

Poster Presentations by Time and Major

(all posters in Hallways of Fisher Student Center)

Time	Major	Poster #	Student Name	University or College	Title
10:15-12:30	BIOCHEMISTRY	1	Sydney Clark	High Point University	Mirosomal Triglyceride Transfer Protein Participates in the Initiation of Hepatic Atherogenic Lipoprotein Formation
10:15-12:30	BIOCHEMISTRY	2	Tiffany Graham	East Carolina University	Poxvirus A35 Gene Suppresses Immunity and Allows for Viral Replication in Target Organs
10:15-12:30	BIOCHEMISTRY	3	Hoang-Long Huynh	North Carolina State University	Estrogen Regulates Genomic and Nongenomic Interactions between IGF-1/IGF-IR-beta and ER-alpha Signaling Pathways in Uterine Leiomyoma Cells
10:15-12:30	BIOCHEMISTRY	4	Jia Kim	North Carolina State University	Effects of the Modifications on the Anticodon Stem and Loop Structure of tRNA ^{Arg} 1, 2
10:15-12:30	BIOCHEMISTRY	5	Fletcher O'Cain	East Carolina University	Analysis of Sugars Used for Archaeological Wood Canoe Preservation
10:15-12:30	BIOCHEMISTRY	6	Erin Whitley	North Carolina State University	Antibacterial Properties of Milk Components in <i>Campylobacter jejuni</i> .
10:15-12:30	CHEMISTRY & BIOCHEMISTRY	7	Allison Faig	Wake Forest University	Nitrofurans Containing Antibiotics as New Nitrite and Nitric Oxide Sources
10:15-12:30	CHEMISTRY & BIOCHEMISTRY	8	Alicia Jenkins	Elizabeth City State University	Effect of Rosemarinus Officialis "Rosemary" on Caspase-3
10:15-12:30	CHEMISTRY & BIOCHEMISTRY	9	Diana Norden	Campbell University	Characterization of Novel Surfactant Resistant Bacteria Isolated from the Tubeworm <i>Nereis succinea</i> .
10:15-12:30	CHEMISTRY	10	Hannah Ainsworth	Salem College	Leaf vs. Root: Comparative Analyses of Ginsenoside Concentrations in American Ginseng
10:15-12:30	CHEMISTRY	11	Megan Alexander	University of North Carolina at Pembroke	Development of a Spectroelectrochemical Assay for Serum Bilirubin
10:15-12:30	CHEMISTRY	12	Kimberly Brassard	University of North Carolina at Pembroke	Pretty, Smart, or Pretty Smart...What's Your Preference? Development of a Protein-Based System for Detection of Organophosphates Using the pH-Dependence of Enhanced Green Fluorescent Protein
10:15-12:30	CHEMISTRY	13	Monique Conway	Appalachian State University	Dextromethorphan: Developing a Solid-Phase Extraction Method
10:15-12:30	CHEMISTRY	14	Alexandria Ferrer	University of North Carolina at Pembroke	Investigation of River Water and Sediments Impacted by a Recent Coal Fly Ash Slide
10:15-12:30	CHEMISTRY	15	Amanda Gibbs	Appalachian State University	Energy Transfer by Fluorophores across Lipid Domains.
10:15-12:30	CHEMISTRY	16	Sonal Lakhani	University of North Carolina Wilmington	Production of Biodiesel from Vegetable Oil by Transesterification through Continuous Enzymatic Method
10:15-12:30	CHEMISTRY	17	Eric Leviner	University of North Carolina at Pembroke	Micropropagation of Ornamental Plants.
10:15-12:30	CHEMISTRY	18	Brittany Locklear	University of North Carolina at Pembroke	Use of Magnetite to Remove Fatty Acids from Waste Oils: Application to Biodiesel Synthesis
10:15-12:30	CHEMISTRY	19	Matthew Lopez	Appalachian State University	Theoretical Investigation of the Reactions of Amines with Atomic Oxygen
10:15-12:30	CHEMISTRY	20	Marianne Mosch	Methodist University	The Influence of Priming on the Willingness to Adopt
10:15-12:30	CHEMISTRY	21	Jordan Oliphant	University of North Carolina at Pembroke	Studies on the Antioxidant Properties of Curcumin Derivatives
10:15-12:30	CHEMISTRY	22	Jarred Pickering	Mars Hill College	Implementation of Reverse-Phase Chromatography and Development of Protocol for College Laboratory
10:15-12:30	CHEMISTRY	23	Ali Pourvady	Nash Community College	Identification of the Site of Covalently Bound Flavin in Tetrahydrofuran Monooxygenase Oxidoreductase
10:15-12:30	CHEMISTRY	24	Jordan Riojas	Methodist University	Optimization of In Vitro Electrochemical Detection of Hydrogen Peroxide as a Reporter Molecule for Acetylcholine
10:15-12:30	CHEMICAL ENGINEERING	25	Stephen Morton	North Carolina State University	Catalytic Conversion of Glycerol to Value-Added Products
10:15-12:30	CHEMICAL ENGINEERING	26	Daniel Piephoff	North Carolina State University	Internet Connected Automatic Water Level Measurement Camera
10:15-12:30	CIVIL ENGINEERING	27	Troy Gilmore	North Carolina State University	An Investigation into the Aggregation, Deposition, and Mobility of Silver Nanoparticles through Porous Media
10:15-12:30	ENGINEERING	28	Ankesh Madan	North Carolina School of Science and Mathematics	In Vitro Study of the Effect of Rumen Fermentation on Polyunsaturated Fatty Acids (PUFA): Implications of Enhanced Supply of Intact PUFA to the Lower Gut
10:15-12:30	ZOOLOGY	29	Rebecca Brulet	North Carolina State University	A Comparison of Teaching Techniques in World Population and Food Prospects, STS 323 Q
10:15-12:30	ANIMAL SCIENCE	30	Adell Perry	North Carolina State University	Development of a Mouse Model to Evaluate the Effect of Beta-Glucan on the Immune Response to Inhaled Chitin
10:15-12:30	ANIMAL SCIENCE	31	Morika Williams	North Carolina A & T State University	Modeling the Effect of Fires on Red-Tailed Leafhoppers and Seditary Moths
10:15-12:30	BIOLOGY	32	Jasmine Alexander	University of North Carolina at Greensboro	Isolation of Novel Bacteriophage From Soil and Aquatic Environments
10:15-12:30	BIOLOGY	33	David Angell	Pfeiffer University	Ancient DNA as a Diagnostic Tool for Determining Species of Antarctic Penguins
10:15-12:30	BIOLOGY	34	Kerry Baumann	University of North Carolina Wilmington	Epistasis of Transcription Factor Activator Protein 2 and Other Proteins Required for Neural Crest Induction
10:15-12:30	BIOLOGY	35	Emily Beck	Methodist University	Nitrite in Human Blood
10:15-12:30	BIOLOGY	36	Puspanjali Bhatta	Salem College	Defining Physiological Zero in the Eggs of <i>Gallus gallus</i>
10:15-12:30	BIOLOGY	37	Geoffrey Broadhead	North Carolina State University	Damage and Mortality of Leaflets of <i>Nephrolepis brownii</i> Ferns (Lomariopsidaceae)
10:15-12:30	BIOLOGY	38	Lanisha Brown	Bennett College For Women	17- β Estradiol Affects Lung Cell Response to Oxidative Stress
10:15-12:30	BIOLOGY	39	Madeleine Chalfant	Davidson College	Assessment of Thirty-Nine Proposed New Lemur Species from Madagascar
10:15-12:30	BIOLOGY	40	Nicole DiVaccaro	Pfeiffer University	Post-Translational Modification of the Tumor Suppressor CCAAT/Enhancer Binding Protein α .
10:15-12:30	BIOLOGY	41	Rosemary Downing	North Carolina State University	Efficacy of Artificial Insemination or Assisted Reproduction in the Genetic Rescue and Conservation of Lions (<i>Panthera leo</i>) in West Africa
10:15-12:30	BIOLOGY	42	Anjelea Fisher	Pfeiffer University	Do These Genes Make Me Look Fat?
10:15-12:30	BIOLOGY	43	Kenda Freeman	North Carolina State University	Construction of Copper Biosensor in <i>Listeria monocytogenes</i> to Monitor Status in Macrophages
10:15-12:30	BIOLOGY	44	Whitney Gore	North Carolina A & T State University	Degradation of ssDNA by TREX1 mutants
10:15-12:30	BIOLOGY	45	Rachana Gyawali	Salem College	

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Time	Major	Poster #	Student Name	University or College	Title
10:15-12:30	BIOLOGY	46	Floyd Inman, III	University of North Carolina at Pembroke	The Creation of a Plasmid Vector for the Genomic Integration of the Gene for Green Fluorescent Protein (GFP) into Salmonella enteritidis.
10:15-12:30	BIOLOGY	47	Taler Jefferson	Bennett College For Women	Bedside Shivering Assessment Score Inter-rater Reliability (BeSAsI) Form Study
10:15-12:30	BIOLOGY	48	Hope Johnson	Robeson Community College	Bridging the Biotechnology Gap in the Public Schools
10:15-12:30	BIOLOGY	49	Kaitlin Johnson	University of North Carolina Wilmington	Exploring Mechanisms of Thyroid Regulation in Sex Changing Parrotfish
10:15-12:30	BIOLOGY	50	Ashley McCarthy	Mars Hill College	Plantago major and Its Health Benefits
10:15-12:30	BIOLOGY	51	Ashleigh Pappadake	North Carolina State University	A Genomic Approach to Identify Novel Drugs in Treating High Risk, Early Stage Breast Cancer.
10:15-12:30	BIOLOGY	52	Rohan Patel	East Carolina University	Determining the Concentration of Preservatives in Archeological Wood
10:15-12:30	BIOLOGY	53	Cardama Pedro	Fayetteville State University	Function Approximation
10:15-12:30	BIOLOGY	54	Samantha Perkins	University of North Carolina Wilmington	Denitrifying Community Dynamics in Transplanted Sediments in the Cape Fear River Estuary
10:15-12:30	BIOLOGY	55	Caitlin Phalen	University of North Carolina at Greensboro	Testing Developmental and Adaptive Models of Plant Resource Allocation in <i>A. lyrata</i>
10:15-12:30	BIOLOGY	56	Anna Queen	University of North Carolina at Pembroke	Effects of Drug Ligands on Differentiation and Proliferation of Human Adipocytes
10:15-12:30	BIOLOGY	57	Erin Raspet	University of North Carolina at Greensboro	Kleptoparasitism in <i>Onthophagus taurus</i> : The role of Density, Dung, and Major Males
10:15-12:30	BIOLOGY	58	Raadeen Russell	Saint Augustine's College	Characterization of in vitro Yop Secretion by a <i>Yersinia pestis</i> $\Delta y2313$ - $y2316$ mutant
10:15-12:30	BIOLOGY	59	Emilee Smith	University of North Carolina Wilmington	Beta-tubulin Diversity Among the Chromalveolates
10:15-12:30	BIOLOGY	60	Clifford Spencer	Pfeiffer University	Reintroduction and Translocation of Mammals and Birds
10:15-12:30	BIOLOGY	61	Alexandria Spruiel	North Carolina A & T State University	Optimization of Polymerase Chain Reaction (PCR) Primer Design for <i>Haemophilus ducreyi</i> Using Computational Algorithms
10:15-12:30	BIOLOGY	62	Sruthipriya Sridhar	North Carolina State University	Comparison of Courtship and Copulation Behavior Between $\Delta CheB38$, $\Delta CheB42a$ Genotypes and Multiple Control Genotypes
10:15-12:30	BIOLOGY	63	Heather Taylor	Fayetteville Technical Community College	Mass Production of Entomopathogenic Nematodes
10:15-12:30	BIOLOGY	64	Melissa Wilks	Guilford College	A Predatory and Phylogenetic Study of <i>Ensifer Adhaerens</i> , A Cave Microorganism
10:15-12:30	ENVIRONMENTAL SCIENCE	65	Laura Brown	North Carolina State University	What Affect Does Nano ZnO Have on the Root Growth and Survival of Tree Cuttings in Hydroponic Systems?
10:15-12:30	ENVIRONMENTAL SCIENCE	66	Michael Burns	Queens University of Charlotte	Environmental Risk Assessment of Coal Ash Ponds in Mountain Island Lake Watershed, Gaston County, NC
10:15-12:30	ENVIRONMENTAL SCIENCE	67	Dana Chapman	Pfeiffer University	Mesopredator Release in Malagasy Carnivores
10:15-12:30	ENVIRONMENTAL SCIENCE	68	Zachary Green	North Carolina State University	Water Quality Monitoring of Rocky Branch Creek
10:15-12:30	ENVIRONMENTAL SCIENCE	69	Emily Hartman	Queens University of Charlotte	Gold Mining and It's Affects on the Lives of Amazonian Inhabitants
10:15-12:30	ENVIRONMENTAL SCIENCE	70	Davis Murphy	North Carolina State University	Effects of Plot Size on <i>Colophospermum mopane</i> Distribution in Kruger National Park, Limpopo Province South Africa
10:15-12:30	ENVIRONMENTAL SCIENCE	71	Marta Pongor	North Carolina State University	Cape Town, South Africa, Harmony Flats Nature Reserve
10:15-12:30	ENVIRONMENTAL SCIENCE	72	Sidney Post	University of North Carolina at Pembroke	Delineation of Spatial Variences of Carolina Bays within Robeson County, North Carolina
10:15-12:30	ENVIRONMENTAL SCIENCE	73	Kristin Smith	North Carolina State University	How Differing Geologies Affect the Electrical Conductivity of Streams
10:15-12:30	FISHERIES & WILDLIFE	74	Andrew Lawrence	North Carolina State University	Can Modified Telephone Poles Reconnect a Bisected Population of Endangered Flying Squirrels?
10:15-12:30	MARINE SCIENCE	75	Stephanie Price	University of North Carolina Wilmington	Mitochondrial DNA analysis of stock structure of black seabass north and south of Cape Hatteras
10:15-12:30	NATURAL RESEARCH CONSERVATION MANAGEMENT	76	William Donaldson	Western Carolina University	The Effects of Roads and Traffic Intensity on Movement Patterns of the Eastern Box Turtle (<i>Terrapene carolina carolina</i>) in Western North Carolina
10:15-12:30	EXERCISE & SPORT SCIENCE	77	Alex Carradine	University of North Carolina Wilmington	Comparison of High and Low Shift Fatigue Groups in Relation to Physical Activity, Body Mass Index, and Gender in a Call Center
10:15-12:30	EXERCISE & SPORT SCIENCE	78	Jason Martin	University of North Carolina at Pembroke	Pembroke Leisure and Recreation Then and Now: In-Depth Interviews of the Lumbee Tribe
10:15-12:30	GEOGRAPHY	79	Carl Anderson	Appalachian State University	A Viewshed Parcel Prioritization Analysis along the Blue Ridge Parkway within North Carolina
10:15-12:30	GEOLOGY	80	Joseph Kasperski	North Carolina State University	Characterization and Geochronology of the Greenwater Lakes Landslides, Pierce County, Washington
10:15-12:30	cancelled	81			
10:15-12:30	COMPUTER SCIENCE	82	Matravia Seymore	Elizabeth City State University	Influences of Shoreline Changes, Rock Types, Hurricanes, and Elevation on Pre-Contact Chowan Indian Culture
10:15-12:30	COMPUTER SCIENCE	83	Latisse Taylor	Johnson C Smith University	Sensor Network for Emergency Management
10:15-12:30	ECONOMICS	84	Subeksha Basnet	Salem College	Analysis of Economic Development of Nepal
10:15-12:30	ECONOMICS	85	Annalaisa Johnson	Wake Forest University	Classifying Weighted Voting Systems
10:15-12:30	MATHEMATICS	86	Roshonda Barner	North Carolina A & T State University	Michaelis-Menten Model and Enzyme Reactions
10:15-12:30	MATHEMATICS	87	Mitchell Kristy	Fayetteville State University	Study of Quadric Surfaces via Maple
10:15-12:30	MATHEMATICS	88	Nicole Rocco	University of North Carolina Wilmington	Representability of Integers as Sums of Small Integer Powers
10:15-12:30	PHYSICS	89	Anthony Allen	North Carolina State University	Supernova Shear and Magnetic Field Amplification
10:15-12:30	PHYSICS	90	Samantha Hutcheson	University of North Carolina at Pembroke	An Automated Faraday Rotation Apparatus for Investigating Band Parameters
10:15-12:30	PHYSICS	91	Brayam Pinilla	University of North Carolina at Pembroke	A Study of Non-Planar Behavior of a Driven Oscillating String
10:15-12:30	PHYSICS	92	Blake Sharrits	North Carolina State University	Numerical Simulations of the Superhump Phenomenon
10:15-12:30	PHYSICS	93	Thomas Clay VanBuren	Appalachian State University	Measuring the Viscosity of a Simulated Martian Atmosphere

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Time	Major	Poster #	Student Name		University or College	Title
10:15-12:30	NURSING	94	Cassandra Buchanan		University of North Carolina Wilmington	Health Care Utilization by Veterans with Posttraumatic Stress Disorder: A Spouse/Intimate Partner Perspective
10:15-12:30	NURSING	95	Ashley Fields		University of North Carolina Wilmington	Parental Perceptions and Attitudes toward the Human Papilloma (HPV) Vaccine in a Community Setting
10:15-12:30	NURSING	96	Quinn Lawlor		University of North Carolina Wilmington	Perceptions of Moral Distress in Critical Care Nurses
10:15-12:30	NURSING	97	Alison Watkins		University of North Carolina Wilmington	Self Management Behaviors of Chronic Illness in Alto Cayma, Peru
10:15-12:30	GERONTOLOGY	98	Sabah Reed		Barton College	Is Gerontology a Profession?
10:15-12:30	HEALTH POLICY & ADMINISTRATION	99	Marisel Mayo		University of North Carolina Wilmington	Fast Food, Fruit and Vegetable Consumption of University Students Compared to USDA Guidelines
10:15-12:30	HISTORY	100	Jorge Rodriguez		University of North Carolina at Pembroke	Captain America: 'Sentinel of Liberty'
10:15-12:30	INTERNATIONAL STUDIES - INTERNATIONAL RELATIONS	101	Jessica Clinkscapes		North Carolina State University	Abandoned: The Response of the International Community During the Rwandan Genocide
10:15-12:30	INTERNATIONAL STUDIES - INTERNATIONAL RELATIONS	102	Charlotte Newman		North Carolina State University	Trafficking for Human Labor in the United States
10:15-12:30	POLITICAL SCIENCE	103	Rachel Cook		Wake Forest University	Thurgood Marshall
10:15-12:30	POLITICAL SCIENCE	104	Jenner Gibson		Davidson College	Expression and Characterization of Pure P0ed Protein and Give Mutants Associated with Peripheral Neuropathy
10:15-12:30	ENGLISH	105	Autumn Beam		University of North Carolina Wilmington	Where Has All The Feminism Gone? A Generational Comparison of Political and Feminist Rhetoric in Ladies' Home Journal
10:15-12:30	ENGLISH	106	Andrew Peterson		University of North Carolina Wilmington	Social Disparity in F. Scott Fitzgerald's Short Fiction
10:15-12:30	COMMUNICATIONS	107	Alyson Corbin		University of North Carolina Wilmington	IMC Workout
10:15-12:30	COMMUNICATIONS	108	Heather Cornman		University of North Carolina Wilmington	Beyond the Boundaries: An Analysis of a Tripartite Model of Service-Learning in Communication Studies
10:15-12:30	COMMUNICATIONS	109	Stephanie Putnam		University of North Carolina Wilmington	Integrated Marketing Communication Plan for UNCW Office of Professional Education
10:15-12:30	COMMUNICATIONS	110	Arielle Williams		University of North Carolina Wilmington	Convergence on a College Campus: Student Media and Social Media
10:15-12:30	BUSINESS ADMINISTRATION	111	Harrison Heiman		Queens University of Charlotte	Form Versus Function in the Evaluation and Selection of a Convenience Good
10:15-12:30	BUSINESS ADMINISTRATION	112	Navid Nematollahi		University of North Carolina Wilmington	Real Estate Sales: Improvements Effects on Price
10:15-12:30	PSYCHOLOGY	113	Sarah Alford		East Carolina University	Artwork, Attachment, and Violence: Similarities and Differences Between Children with Reactive Attachment Disorder and Prison Inmates
10:15-12:30	PSYCHOLOGY	114	Lacey Campbell		University of North Carolina at Chapel Hill	Arts-informed Health Awareness: A Community Intervention in Southwest Detroit
10:15-12:30	BIOLOGY	115	Ian Bryan		East Carolina University	Impact on Glucagon, Insulin, and Glucocorticoid Receptors in Mice with Gestational Exposure of PFOA
10:15-12:30	PSYCHOLOGY	116	Melissa Deal		University of North Carolina Wilmington	Dizocilpine (MK-801) And Morphine Impair Olfactory Memory Span In Rats
10:15-12:30	PSYCHOLOGY	117	Elizabeth Dressler		University of North Carolina Wilmington	Contemplation of Moral Dilemmas 24 Hours Prior to Iowa Gambling Task Enhances Performance
10:15-12:30	PSYCHOLOGY	118	Megan Harris		University of North Carolina at Pembroke	Ethnicity and Faculty Mentorship
10:15-12:30	PSYCHOLOGY	119	Jacqueline Hutton		University of North Carolina Wilmington	Anxiety as an Indicator of Cognitive Decline Following Coronary Artery Bypass Surgery
10:15-12:30	PSYCHOLOGY	120	Leigh Lampley		Elon University	Effects of Culture on Gendered Stereotypes of Emotion
10:15-12:30	PSYCHOLOGY	121	Sabrina Leshore		University of North Carolina at Pembroke	The Role of Empathy, Socialization, and Trial Type on Juror Decision Making
10:15-12:30	PSYCHOLOGY	122	Audrey Mendes		University of North Carolina at Greensboro	Predicting ODD/CD: Moderating and Mediating Effects of Maternal Depression, Emotion Regulation, and Peer Rejection
10:15-12:30	PSYCHOLOGY	123	Kelly Niccum		University of North Carolina at Pembroke	Athletes and Obedience: Do Professors Have a Say?
10:15-12:30	PSYCHOLOGY	124	Jorge Plocuda		University of North Carolina at Pembroke	The Interaction Between Music and Task Performance
10:15-12:30	PSYCHOLOGY	125	Caitlin Rose		Greensboro College	What Impression Are You Making? The Effects of Photograph Content and Gender on Students' Impressions of Online Profiles
10:15-12:30	PSYCHOLOGY	126	Kelli Samonte		University of North Carolina Wilmington	Detecting the Effects of Pre-Trial Biases: A Psychometric Approach to Improved Sensitivity
10:15-12:30	SPECIALIZED EDUCATION SERVICES	127	Jenny Hunnicutt		University of North Carolina Wilmington	Teaching Receptive Understanding of Prepositions to Students with Intellectual Disabilities using Computer-Based Video Self-Modeling
10:15-12:30	SPECIALIZED EDUCATION SERVICES	128	Erin Savidge		University of North Carolina Wilmington	Using a Hand-Held Personal Digital Assistant (PDA) as a Self-Prompting Device to Complete Tasks and Transition within and Between Tasks
10:15-12:30	ART	129	Clare Gillen		Guilford College	The Princess Tent: Exploring Domestic Landscape

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2:00-4:15	BIOLOGY	130	Zena	Cardman	University of North Carolina at Chapel Hill	Astrobiology and Space Analogs in the High Arctic, British Columbia, and Arizona
2:00-4:15	BIOLOGY	131	Annie	McPherson	North Carolina A & T State University	Investigating the Function of a 66 Amino Acid Conserved Region Found within the Catalytic Domain of Pol Epsilon.
2:00-4:15	BIOLOGY	132	Bryan	Moore	Mars Hill College	Optimization of ML805F13 Fragile X PCR
2:00-4:15	BIOLOGY	133	Jacob	Parks	Pfeiffer University	Identification of Antibiotic Resistance Mechanisms on the Pfeiffer University Campus
2:00-4:15	CHEMISTRY	134	David	Bowman	Appalachian State University	Quantitative Analysis of Volatile Organic Aerosols in the Atmosphere
2:00-4:15	CHEMISTRY	135	Charity	Epley	Appalachian State University	Synthesis of Hexaphenylbenzenes for Potential Use in Proton Exchange Membranes of Fuel Cells
2:00-4:15	ENGINEERING	136	Kenneth	Ryan	North Carolina State University	Designing a Setup for Melt Electrospinning Polycaprolactone
2:00-4:15	INFORMATION SCIENCE	137	Kristen	Dunlap	Winston-Salem State University	Implementation of a Database Tracking System
2:00-4:15	MATHEMATICS	138	Gregory	Haywood, Jr	North Carolina A & T State University	The Heat Equation
2:00-4:15	MATHEMATICS EDUCATION	139	Darius	Pandy	North Carolina A & T State University	Project-Based Learning and Technology in the Classroom: Finding the Area of a Euclidean n-gon and it's Use as an Application in a High School Classroom.
2:00-4:15	PHYSICS	140	Isaac	Bryan	Appalachian State University	Analysis of Wear Patterns on Neanderthal Stone Tools
2:00-4:15	PHYSICS	141	Nathanael	Cox	Appalachian State University	Optimization of Electrodynamic Dust Screen for Thermal Radiators
2:00-4:15	PHYSICS	142	Leigha	Dickens	University of North Carolina at Asheville	Modeling and Testing Solar Panel Tilt at PARI
2:00-4:15	AEROSPACE ENGINEERING	143	Daniel	Page	North Carolina State University	Locating Noise Sources on a Leading-Edge Slat
2:00-4:15	APPLIED PHYSICS	144	Nick	Pope	Appalachian State University	Rate Coefficients for H3+ Using an RF Ion Trap
2:00-4:15	AVIATION SCIENCE	145	William	Baker	Elizabeth City State University	Accuracy of Elizabeth City State University's advance flight trainer (ECSU/AFT) in simulating Cessna's 172S Skyhawk
2:00-4:15	BIOMEDICAL ENGINEERING	146	Tojan	Rahhal	North Carolina State University	Sp2 is a Required Gene for Mammalian Development
2:00-4:15	BIOMEDICAL ENGINEERING	147	Jamar	Slocum	Winston-Salem State University	Crack Depth of Articular Cartilage
2:00-4:15	COMPUTER ENGINEERING	148	David	Hamilton	Nash Community College	Analysis and Prediction of a Game's Trends
2:00-4:15	COMPUTER SCIENCE	149	Jason	Brooks	Winston-Salem State University	Tracking Robots for Space Science Missions
2:00-4:15	COMPUTER SCIENCE	150	Kalada	Kienka	Shaw University	Identify Proteins in Prostate Cancer Cells Using Mass Spectrometry Data
2:00-4:15	COMPUTER SCIENCE	151	Mohammad	Siddique	Fayetteville State University	Newton's Method
2:00-4:15	ECONOMICS	152	Shristi	Karki	Salem College	Subsidizing the Industrial Leader-Wal-Mart
2:00-4:15	STATISTICS	153	Elena	Beckman	North Carolina State University	Secondary Ozone Standard
2:00-4:15	PHYSICS	154	Zachary	Bryan	Appalachian State University	New Learning Modules for Atomic Force Microscopy
2:00-4:15	PHYSICS	155	Davis	Dulin	North Carolina State University	Origins of the Spherical Accretion Shock Instability
2:00-4:15	PHYSICS	156	Andrew	Hewitt	North Carolina State University	Carrier Injection in Organic Semiconductor Spin Valve Materials
2:00-4:15	PHYSICS	157	Samuel	Kenny	North Carolina State University	Numerical Simulations of Tilted Accretion Disks
2:00-4:15	PHYSICS	158	David	Monroe	Appalachian State University	Direct Methanol Fuel Cell Materials Characterization
2:00-4:15	PHYSICS	159	Chris	Pope	North Carolina State University	Black Hole Growth Excites Spin
2:00-4:15	PHYSICS	160	Elizabeth	Ryalls	University of North Carolina at Asheville	Assembling and Testing the Control System of the Dedicated Interferometer for Rapid Variability
2:00-4:15	MATHEMATICS	161	Komi	Messan	North Carolina A & T State University	A Comparison of Array Methods in Electrical Resistivity Data Acquisition in Limpopo, South Africa
2:00-4:15	MATHEMATICS	162	Wesley	Springs	North Carolina State University	An Analysis of Strategies, Alliances, and Solutions in Three Player Games
2:00-4:15	MATHEMATICS	163	Nicholas	Tabron	Elizabeth City State University	The Effect of Sea Surface Temperature on the Strength of Major Hurricanes
2:00-4:15	CHEMISTRY	164	Keith	Brinsfield	High Point University	Modeled Physiological Iron Extraction Measured by CE
2:00-4:15	CHEMISTRY	165	Jodie	Greene	North Carolina State University	Mimicking of Iron-sulfur Cluster Proteins: Synthesis of Half-amphiphilic Dendrimer
2:00-4:15	CHEMISTRY	166	K. Michelle	Hardy	High Point University	Separation and Quantification of Coumarin in Cinnamon by Capillary Electrophoresis
2:00-4:15	CHEMISTRY	167	Ashley	Kanupp	Appalachian State University	Synthesis of tetra(4-sulfonatophenyl)chlorin from tetra(4-sulfonatophenyl)porphyrin
2:00-4:15	CHEMISTRY	168	Nathaniel	Kingsbury	University of North Carolina at Pembroke	Synthesis of Biodiesel Using Morpholine
2:00-4:15	CHEMISTRY	169	Iner	Lowery	University of North Carolina at Pembroke	Optimizing a Stability-Indicating HPLC Method for the Determination of Dextromethorphan
2:00-4:15	CHEMISTRY	170	Catherine	Luquire	University of North Carolina Wilmington	Characterization of Sedimentary Organic Matter Upon Exposure of Resuspended Sediments to Simulated Sunlight: A Bulk and Molecular Marker Approach
2:00-4:15	CHEMISTRY	171	Mary	McMillan	University of North Carolina at Pembroke	High-Resolution Two-Dimensional NMR Spectroscopy of a Cobalt(III) Complex Containing Tris(2-aminoethyl)amine and 1,10-Phenanthroline
2:00-4:15	CHEMISTRY	172	Jennifer	Satterwhite	East Carolina University	Development of a Sequence Specific Electrochemical Genotoxicity Sensor
2:00-4:15	CHEMISTRY	173	Candice	Summitt	Davidson College	The Folding Pattern of the Extracellular Domain of Myelin Protein Zero and the Creation of Charcot-Marie-Tooth Disease Mutations
2:00-4:15	CHEMISTRY & BIOCHEMISTRY	174	Leah	Allen	Wake Forest University	Towards Phosphorus-Based Labels for S-Nitrosothiols
2:00-4:15	CHEMISTRY & BIOCHEMISTRY	175	Alex	Kreutzberger	University of North Carolina Wilmington	Molecular Dynamics Study of δ -Lysin Interacting with POPC Lipid Bilayer
2:00-4:15	BIOCHEMISTRY	176	Nicholas	Faulkner	University of North Carolina at Pembroke	Determination of the Microsomal Triglyceride Transfer Protein Gene Expression in Drosophila melanogaster S2 Cells
2:00-4:15	BIOCHEMISTRY	177	Ryan	Garrett	North Carolina State University	Prostaglandin E2 (PGE2) Protects Murine Lungs from Bleomycin-Induced Pulmonary Fibrosis and Lung Dysfunction
2:00-4:15	BIOCHEMISTRY	178	Laura	Lee	High Point University	A Quantitative Study of Gold Deposition onto PMMA and POSS-MA Surfaces
2:00-4:15	BIOCHEMISTRY	179	Sasan	Mahmoudi	North Carolina State University	Development of Potato Virus X (PVX) Clones to Assess Coat Protein Interactions Required for Virus Assembly

Poster Presentations by Time and Major

(all posters in Hallways of Fisher Student Center)

Time	Major	Poster #	Student Name		University or College	Title
2:00-4:15	BIOCHEMISTRY	180	Sarah Wang		North Carolina School of Science and Mathematics	Targeting and exploring the mechanisms of the IL6 signaling pathway in glioblastoma cell lines
2:00-4:15	BIOLOGY	181	Dawit Adnew		University of North Carolina at Greensboro	Molecular Evolution of Candidate Genes for Caste Divergence in <i>Apis</i>
2:00-4:15	BIOLOGY	182	Katherine Black		Wake Forest University	Effect of Growth Hormone (GH)- and Insulin-like Growth Factor 1 (IGF-1)- Deficiency on Endothelium-Dependent Relaxations in Cerebral Arteries From Aged Rats
2:00-4:15	BIOLOGY	183	Muriah Bottemiller		Lenoir-Rhyne University	The Effect of Diet Change on the Daily Activity of the Captive Naked Mole-Rat, <i>Heterocephalus glaber</i>
2:00-4:15	COMPUTER SCIENCE	184	Keith Parker		Winston-Salem State University	Using Augmented Reality and Making Enhancements to Display Information on the Spacesuit
2:00-4:15	BIOLOGY	185	Luke Dixon		University of North Carolina at Greensboro	Effect of Queen Presence or Absence on Honey Bee Worker Mortality
2:00-4:15	BIOLOGY	186	Myles Fenske		University of North Carolina Wilmington	Analyzing the Location and Function of a Putative UV-B Photoreceptor and the Gene That Codes for It
2:00-4:15	BIOLOGY	187	Revorn Ferguson		North Carolina A & T State University	Can Selection Against Nonsense Errors Explain Codon Usage Bias in <i>Saccharomyces cerevisiae</i>
2:00-4:15	BIOLOGY	188	Elizabeth Freeman		University of North Carolina Wilmington	Use of Short Interfering RNAs to Investigate the Role of Specific Tegument Proteins in the Intracellular Movement of EHV-1 Capsids at Early Times Post-infection
2:00-4:15	BIOLOGY	189	Sarem Hailemariam		Shaw University	Human Excision Repair: Addgene Repository
2:00-4:15	BIOLOGY	190	Charmel Holland		Bennett College For Women	Knowledge, Attitude, and Practice of Caregivers Regarding Accidental Poisoning in Children in Westmoreland, Jamaica.
2:00-4:15	BIOLOGY	191	Aatiqah Khalid		Meredith College	HIV Protease Inhibition Abilities of <i>Tylosera Fassoglensis</i>
2:00-4:15	BIOLOGY	192	Danielle Lucas		University of North Carolina at Greensboro	Genetic Structure of <i>Physocephala</i>
2:00-4:15	BIOLOGY	193	Diana Luckhardt		University of North Carolina Wilmington	Selective Transport Through Nanoporous Alumina Membranes Surface Modified with Poly(Acrylic acid)
2:00-4:15	BIOLOGY	194	Kevin Mangum		Davidson College	Examining the Effect of Depolarization on Growth Cone Dynamics
2:00-4:15	BIOLOGY	195	Matthew Okoneski		University of North Carolina Wilmington	Using Thermal Tolerance to Predict Changes in Geographical Distribution Due to Global Warming in the Asteroid, <i>Cosinasterias tenuispina</i>
2:00-4:15	BIOLOGY	196	Blaine Pennington		Pfeiffer University	Island Biogeography and Global Primate Species Richness
2:00-4:15	BIOLOGY	197	Jalisa Pettis		Elizabeth City State University	Nematode Community Structure at a Coastal Barrier Island, Virginia
2:00-4:15	BIOLOGY	198	Lyndsey Reid		North Carolina A & T State University	Characterization of a Putative Periplasmic Iron Efflux Pump in <i>Shewanella</i> Strain ANA-3 and <i>S. oneidensis</i> strain MR-1
2:00-4:15	BIOLOGY	199	Shunda Rushing		University of North Carolina at Greensboro	How Field Conditions Influence Brood Ball Production By the Dung Beetle <i>Oonthophagus taurus</i>
2:00-4:15	BIOLOGY	200	D. Stephen Serafin		Wake Forest University	Finally, an Advantage for Small Populations
2:00-4:15	BIOLOGY	201	Aniga Shahrir		University of North Carolina at Chapel Hill	Redox Regulation of Rho GTPases
2:00-4:15	BIOLOGY	202	Parteek Singla		East Carolina University	Novel Immune Regulation by Poxvirus A35R: Improved Poxvirus Platform Vaccines
2:00-4:15	BIOLOGY	203	Eboni Stafford		North Carolina A & T State University	Growth & Population Control of Aphids
2:00-4:15	BIOLOGY	204	Adina Stewart		North Carolina A & T State University	Health and Disease Risks and Perceptions of Young Adult African American Women
2:00-4:15	BIOLOGY	205	Ashley Young		North Carolina A & T State University	Structure-Function Relationships in the Terpene Synthase Family
2:00-4:15	BIOLOGY & INTERNATIONAL STUDIES	206	Sindhu Ravishankar		North Carolina State University	2-aminoimidazole Small Molecule Control of Marine Bacterial Biofilm
2:00-4:15	BOTANY	207	Jared Chauncey		North Carolina State University	Impacts of Mycorrhizae on Germination and Seedling Survival of the Invasive Grass <i>Microstegium vimineum</i>
2:00-4:15	FISHERIES & WILDLIFE	208	Chris Etheridge		North Carolina State University	Factors Influencing Black Rat Snake (<i>Elaphe obsoleta</i>) Depredation on Swainson's Warbler (<i>Limothlypis swainsonii</i>) Nests
2:00-4:15	FOREST MANAGEMENT	209	Derek Dussek		North Carolina State University	Fuelwood use in Welverend, South Africa
2:00-4:15	ZOOLOGY	210	Samuel Willis		North Carolina State University	Metalocene Polymerization of Bicyclic Olefins
2:00-4:15	MARINE SCIENCE	211	Katherine Spears		North Carolina State University	Baobab Trees in the HaMakuya Village in South Africa; Exploring the Trees God Planted Upside Down.
2:00-4:15	MICROBIOLOGY	212	Ashley Hawkins		North Carolina State University	Characterization of Butanol Producing <i>Clostridium acetobutylicum</i> Strains
2:00-4:15	ENVIRONMENTAL SCIENCE	213	Alissa Anderson		North Carolina State University	Emission Factor Uncertainty Analysis
2:00-4:15	ENVIRONMENTAL, EARTH, AND GEOSPATIAL SCIENCE	214	Algernon C. Finley III		North Carolina Central University	Lung Exposure Levels to PM 2.5 during Natural Gas Burning in Household Environments
2:00-4:15	GEOLOGY	215	Brian Burgess		East Carolina University	Testing the Accuracy of Heads-Up-Digitizing and Estuarine Shoreline Characterization, Ocracoke, NC
2:00-4:15	ANTHROPOLOGY	216	Grayson T. Greco		University of North Carolina Wilmington	Ancient Fortresses: A Cross-Cultural Comparison of Defensive Structures in Judaea and China c. 200 BC - AD 200
2:00-4:15	PSYCHOLOGY	217	Kathleen Casto		University of North Carolina Wilmington	Mind over Matter: An Analysis of the Effect of Various Psychological Factors on Physical Performance
2:00-4:15	PSYCHOLOGY	218	Preston Stakias		University of North Carolina Wilmington	Effects of Set-Size on Relational Stimulus Control in Rats Using Olfactory (NJMTS) Procedures
2:00-4:15	PSYCHOLOGY	219	Kathryn Giegler		Wake Forest University	The Effects of Intervention Training on Real-world Cognitive Functioning in Older Adults
2:00-4:15	PSYCHOLOGY	220	Justin Handy		University of North Carolina at Chapel Hill	Managing a College Lifestyle: An Investigation of College Students' Sociability, Self-control, and Psychological Well-being.
2:00-4:15	PSYCHOLOGY	221	Jodie Johnson		University of North Carolina at Pembroke	Media Theories Applied to Propaganda
2:00-4:15	PSYCHOLOGY	222	Eva Jorgensen-Graham		Elon University	Optimism and Pessimism as Moderators of Nonverbal Sensitivity: Do Optimists Have an Advantage?

Poster Presentations by Time and Major

(all posters in Hallways of Fisher Student Center)

Time	Major	Poster #	Student Name		University or College	Title
2:00-4:15	PSYCHOLOGY	223	Jason	Kelsh	University of North Carolina at Pembroke	Activating Plasticity: Generating Neural Response in Cognition
2:00-4:15	PSYCHOLOGY	224	Patty	Kuo	University of North Carolina at Chapel Hill	The Psychobiology of Paternal Behavior
2:00-4:15	PSYCHOLOGY	225	Jamie	Livingston	Pfeiffer University	Occupational Stereotypes: How Students in Elementary, Middle, and High School View Male and Female Roles in the Workplace
2:00-4:15	PSYCHOLOGY	226	Andrea	Matute	University of North Carolina at Pembroke	Sexual Violence Through Media
2:00-4:15	PSYCHOLOGY	227	Kelly	Niccum	University of North Carolina at Pembroke	The Influence of Priming on Perceptions of College Safety
2:00-4:15	PSYCHOLOGY	228	Jorge	Piocuda	University of North Carolina at Pembroke	Parental Influence on Dating Decision-Making
2:00-4:15	PSYCHOLOGY	229	Allegra	Purnell	Pfeiffer University	Unforgettable Characteristics
2:00-4:15	PSYCHOLOGY	230	Ellen	Sheffer	East Carolina University	Interactive Effects of Maternal Iron Deficiency and Fetal Alcohol Exposure on Neurobehavioral Outcomes in Weanling Rats
2:00-4:15	ART	231	Audrey	Schuyler	University of North Carolina at Greensboro	Women's Responsibilities, Sacrifices, and Opportunities in a Post-Disaster Relocation Setting
2:00-4:15	MUSIC EDUCATION	232	Catherine	Starek	University of North Carolina Wilmington	A Testament to Esterházy Culture: Franz Joseph Haydn and His Compositions for Three Musical Clocks
2:00-4:15	SOCIAL WORK	233	Sarah	Vavreck	Elon University	The Effectiveness of Play Therapy Language Used in Peer Mentoring Sessions Between 5th and Kindergarten Students
2:00-4:15	PHARMACY	234	Javeed	Jattan	Robeson Community College	Farm Ecosystem: Antibiotics
2:00-4:15	NURSING	235	Megan	Hardin	University of North Carolina Wilmington	Birth Experience as a Determinant of Postpartum Depression and Post Traumatic Stress Disorder
2:00-4:15	NURSING	236	Jaime	Marshburn	East Carolina University	Rural Guatemala Community Health Assessment
2:00-4:15	ATHLETIC TRAINING	237	Pamela	Hughes	University of North Carolina at Pembroke	What Really Makes You Satisfied With Your Campus Living?
2:00-4:15	EXERCISE & SPORT SCIENCE	238	Brittany	Dickens	Pfeiffer University	Walk-Run Transition During Treadmill Exercise
2:00-4:15	EXERCISE & SPORT SCIENCE	239	Kevin	Kijowski	University of North Carolina Wilmington	Shift Fatigue in Call Center Employees and Its Relationship to Gender, Body Mass Index, and Physical Activity Level
2:00-4:15	INTERNATIONAL STUDIES - INTERNATIONAL RELATIONS	240	Kathleen	Griffin	North Carolina State University	Crossing Cultures and Borders in a Heritage Preservation Project: Florence's "English Cemetery"
2:00-4:15	POLITICAL SCIENCE	241	Montravias	King	Elizabeth City State University	Human Impacts on Water Quality of the Pasquotank River Watershed
2:00-4:15	MARKETING	242	Sean	Davidson	Methodist University	Purchasing Behavior and Brand Loyalty in the Sport of Triathlon
2:00-4:15	BUSINESS & MARKETING EDUCATION	243	Alan	Brittman	Queens University of Charlotte	Invasive Species and Their Distributors
2:00-4:15	BUSINESS ADMINISTRATION	244	Jordan	Dills	Queens University of Charlotte	Developing a Product Variant for an Existing Convenience Product
2:00-4:15	BUSINESS ADMINISTRATION	245	Tara	Pierami	Queens University of Charlotte	New Product Development- An Investigation of the Writing Pad Preferences of College Age Women
2:00-4:15	BUSINESS ADMINISTRATION	246	Chris	Suarez	Queens University of Charlotte	Information Source Usage by Residential Purchasers of Landscaping Plants
2:00-4:15	COMMUNICATIONS	247	Andrew	Knoble	University of North Carolina Wilmington	The Creative Process: Designing an Academic Department Newsletter
2:00-4:15	COMMUNICATIONS	248	Jeannette	Tavares	University of North Carolina Wilmington	The Use of Social Media Within Greek Organizations
2:00-4:15	CONSUMER, APPAREL, & RETAIL STUDIES	249	Sydney	English	North Carolina State University	The Chinese Safety Scare Consequences on Consumer Behavior
2:00-4:15	CRIMINOLOGY	250	Sheree	Smith	Saint Augustine's College	Invalid Forensic Science Testimony of the Wrongfully Convicted in the State of Virginia
2:00-4:15	EDUCATION	251	Kayla	Cummings	University of North Carolina at Pembroke	Bridging the Biotechnology Gap in the Public Schools
2:00-4:15	COMPUTER SCIENCE	252	Samantha	Finkelstein	University of North Carolina at Charlotte	Helping Students Network Through Games