



Celebration of Student Achievement: Poster Session Schedule 2019

Brower Student Center 100-West	Education Building 212	Social Science Atrium
Session A: 9:30am -10:30am Session B: 10:45am -11:45am Session C: 12:00pm -1:00pm Session D: 1:15pm - 2:15pm Session E: 2:30pm - 3:30pm Session F: 3:45pm - 4:45pm	Session G: 9:30am – 10:30am Session H: 10:45am – 11:45am Session I: 12:00pm – 1:00pm Session J: 1:15pm – 2:15pm Session K: 2:30pm – 3:30pm Session L: 3:45pm – 4:45pm	Session N: 10:45am – 11:45am Session O: 12:00pm – 1:00pm Session Q: 2:30pm – 3:30pm

Students	School	Department	Faculty Mentor	Title of Presentation	Session	Location
School of Arts & Communication						
2019 BFA Fine Art and Photography & Video Thesis Exhibition: 12:00pm - 2:00pm in AIMM Art Main and Student Galleries						
Art Education Tri-Fold Displays: AIMM Lobby, 11:00am - 3:00pm		The XPERIENCE Project: Fashion showcase by Jawan Turner and Deisha Inniss, BSC 100 Lobby 10:45am - 11:45am				
Megan Hyjack	Arts and Communication	Art and Art History	David Copestakes	Senior Portfolio	B	9
Abigail Rothman	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Adrienne Southrey	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Cara Giddens	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 1:30pm	AIMM Art Main and Student Galleries
Carly Englander	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Carolyn Mandracchia	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Courtney Ross	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Danielle Rackowski	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 1:30pm	AIMM Art Main and Student Galleries
Elizabeth Mayer	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Emily Warakowski	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Lauren Galuppo	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Linda Magee	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries
Olivia Brand	Arts and Communication	Art and Art History	Liselot van der Heijden	2019 BFA Fine Art and Photography & Video Thesis Exhibition	12:00pm - 2:00pm	AIMM Art Main and Student Galleries

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Sara Suarez	Business	Accounting & Information Systems	Jingyi Duan	Audience's Responses on Social Media Consumption-Related Postings	G	22
Antonio Carollo	Business	Accounting & Information Systems	Piper Williams	DuBois and Pan-Africanism: Exploring Black Ontology Across the African Diaspora	G	6
Matthew DeGenova	Business	Accounting & Information Systems	Stephanie Shanklin	Empathy: The Catalyst for Learning	G	8
Alexandra Milfort, Kalli Colacino, Conor Moran, Catherine VanMorter	Science	Chemistry	Karen Becker	The Effectiveness of Message Framing	G	29
Gerard Freda	Business	Economics	Lynn Tang	Contractually Granted Campus Food Services: What are the Costs and Benefits?	G	12
Ben Schulman	Business	Finance	Carla Fallone	Become your group's official Roast Master!	G	26
Austin Pelliciarì	Business	Finance	Donka Brodersen	The Great Recession, Debt & Religion	G	20
Timothy Dever, Paul Chukrallah, Olivia Brand, Timothy Gavornik, Michael Reverendo	Business	Finance	Karen Becker	Greater Trenton	G	9
Tyler Bolanos, Kyle Olszak, James Cottrell, Mitchell Hennessy	Business	Finance	Seung Choi	National Investment Banking Presentation	G	2
Dylan Crowley	Business	Finance	Susan Hume	Professional Sports Team Valuation	G	7
Ashbel Soto	Business	Finance	Susan Hume	Corporate Governance and Sustainability in the Automobile Industry	G	30
Frank Villani	Business	Finance	Susan Hume	Determinants of Minor League Baseball Attendance	G	24
John Contini, Kyle Olszak, Tyler Bolanos	Business	Finance	Susan Hume	CFA Institute Research Challenge :What if the Financial Valuation of Cognizant	G	3
Kyle Olszak, Jack Contini, Tyler Bolanos	Business	Finance	Susan Hume	Sustainability and Software Firms in the Digital Age: Cognizant and Its Competitors	G	4
Nathaniel Hirschman	Business	Finance	Susan Hume	An Analysis of the Determinants of Italian Bank Performance: A comparative look at European bank performance from 2007-2018	G	15
Megan Hevey	Business	Finance	Susan Hume	What drives returns in sustainable ETF funds?	G	14
Nick Morgillo, Owen Brady	Business	Management	Brian Potter	Senators get Water Bottle Refill Stations for the Business and Education buildings.	G	17
Gabriella Nour,i Mia Loparo, Stella Pratsinakis, Joseph Kelly	Business	Management	Karen Becker	How Much Does It Cost To Do The Right Thing? The Student Trade Off.	G	18
Dominic Clark	Business	Management	Stephanie Shanklin	Increasing Impact: A 4 Year Service Exploration	G	5
Lydia Engelhardt, Cailey Kirby, Geraliz Jimenez, Foram Bhanushali	Business	Marketing and Interdisciplinary Business	Karen Becker	Imperfect Advertising	G	10
Cody Tice, Greg DeSantis, Sophie Harold, Camrey Baker	Business	Marketing and Interdisciplinary Business	Karen Becker	CSR & Brand Activism	G	23
Jessica Farrell, Ryan Engels	Business	Marketing and Interdisciplinary Business	Karen Becker	Activism In Luxury vs Common Brands	H	16
Justine Zborowski, Kelli Cottingham, Rupak Doctor, Malcolm Luck, Kelly Kozar, Alice Black	Business	Marketing and Interdisciplinary Business	Karen Becker	The Shop @ TCNJ	G	25
Samantha Allen, Emma Senhert, Tara Peterson, Chris Kinzler	Business	Marketing and Interdisciplinary Business	Karen Becker	Generational Reactions to Corporate Political Stances	G	1
Simran Chadha, Samantha Dury, Emma Bean, Christopher Blum, Ashley Dindinger, Khadijah Yasin, Timothy McGevna	Business	Marketing and Interdisciplinary Business	Karen Becker	CEL Project with Earthways	G	19
Tim Gavornik, Christine Borton, Surbhi Crawla, Rupak Doktor, Alexa McCarty, Christian Rupp	Business	Marketing and Interdisciplinary Business	Karen Becker	Meeting the Sustainable Development Goals - Baselineing TCNJ	G	27

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Julia Gonzalez	Business	Marketing and Interdisciplinary Business	Lynn Tang	Does the foreign exchange rate matter to your chocolates: A case study of Ghana	G	13
Victoria Mauriello	Business	Marketing and Interdisciplinary Business	Susanna Monseau	Uber Regulation in the US vs the EU	G	16
Tiffany Thimba	Humanities & Social Sciences	Sociology and Anthropology	Susanna Monseau	The Aftermath of Deindustrialization: A Comparative Analysis of Detroit, MI and Pittsburgh, PA	G	28

School of Education

Quinn Brandt	Education	Educational Administration and Secondary Education	Johnathan Davis	Clinical 1 Reflection	C	9
Abby Bucci	Education	Educational Administration and Secondary Education	Jonathan Davis	Clinical 1 Symposium	C	10
Benny Lavariega Alderete	Education	Educational Administration and Secondary Education	Jonathan Davis	JFE Practitioner Reflection	C	16
Eric Struble	Education	Educational Administration and Secondary Education	Jonathan Davis	JFE Practitioner Reflection	C	20
Hailey Bookwalter	Education	Educational Administration and Secondary Education	Jonathan Davis	Forces and Motion (Grades 6-8)	C	8
Julianna Franco	Education	Educational Administration and Secondary Education	Jonathan Davis	Mood, Tone, and Style (Grade 6)	C	13
Nat Skiba	Education	Educational Administration and Secondary Education	Jonathan Davis	Clinical I Practitioner Reflection	C	19
Hannah Cuesta	Education	Educational Administration and Secondary Education	Jonathon Davis	Clinical 1 Experience	C	12
Casey O'Neill	Education	Educational Administration and Secondary Education	Lina Richardson	13th,14th, 15, and 19th Amendments Grade 8	C	33
Jonathan George	Education	Educational Administration and Secondary Education	Lina Richardson	Constants of Proportionality (Grade 7)	C	34
Justin Lewbel	Education	Educational Administration and Secondary Education	Lina Richardson	Ancient Rome (Grade 6)	C	35
Nicholas Cotogno	Education	Educational Administration and Secondary Education	Lina Richardson	Civil Rights Book Clubs	C	11
Paige Barmakian	Education	Educational Administration and Secondary Education	Lina Richardson	Crash-- Character Analysis (Grade 6)	C	36
Rachel Howanich	Education	Educational Administration and Secondary Education	Lina Richardson	Poetry Unit in an 8th Grade Classroom	C	15
Samantha Gaita	Education	Educational Administration and Secondary Education	Lina Richardson	Research Paper (Grade 8)	C	37
Zachary Johnson	Education	Educational Administration and Secondary Education	Lina Richardson	Roman Unit 6th grade	C	38
Caitlin Nadler	Education	Educational Administration and Secondary Education	Maureen Connolly	Historical Fiction Book Clubs (Grade 7)	C	18
Cassidy Mansmann	Education	Educational Administration and Secondary Education	Maureen Connolly	To Kill a Mockingbird (Grade 8)	C	31
Jacob Haney	Education	Educational Administration and Secondary Education	Maureen Connolly	To Kill a Mockingbird (Second Half)	C	14
Kiera Malley	Education	Educational Administration and Secondary Education	Maureen Connolly	Junior Practicum	C	17
Rachael Watson, Tiffany Dioses, Diana Douglass	Education	Elementary and Early Childhood Education	Blythe Hinitz	Research on the Supervision of Early Childhood Centers	A	32
Tiffany Dioses, Diana Douglass, Rachael Watson	Education	Elementary and Early Childhood Education	Blythe Hinitz	Research on the Supervision of Early Childhood Centers	D	6
Kimberly Cook, Kristen DiGiacomo	Education	Elementary and Early Childhood Education	Chyuan Pan	Developing the Thinking Mind with Project-Based Learning	H	17

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Amanda Ianucilli, Dani Dequintal, Kaleigh Murphy, Paige Deibe, Adrienne Dell'Aquila, Serina Grasso, Morgan Johnston	Education	Elementary and Early Childhood Education	Greer Burroughs	Teaching for Sustainability and EcoJustice based on Ecuador EcoService Trip	C	3
Danielle Dover, Francesca DiMedio, Siani Crowell, Aja Christian	Education	Elementary and Early Childhood Education	Greer Burroughs	Resources for Dating Violence at TCNJ	C	23
Paige Deibel, Dani DeQuintal	Education	Elementary and Early Childhood Education	Greer Burroughs	Raising Awareness for Conservation in Ecuador	C	2
Emily Anderson, Rachel Chernati	Education	Elementary and Early Childhood Education	Lauren Madden	iSTEM and Sustainability in Elementary Schools	C	1
Michelle Kearsley	Education	Elementary and Early Childhood Education	Lauren Madden	Plants and Gardening in the Elementary Classroom	C	4
Cori Haider	Education	Elementary and Early Childhood Education	Stephanie Shanklin	Bonner Community Scholar Senior Capstone	H	14
Serina Grasso	Education	Elementary and Early Childhood Education	stephanie shanklin	Bonner Experience	C	25
Dana Corn, Antonio Capozzoli, Claire Ehret	Education	Elementary and Early Childhood Education	Tabitha Dell'Angelo	African American English in the Classroom	C	22
Cristina Granados, Erin Pah, Kailey Recio, Olivia Sullivan	Education	Elementary and Early Childhood Education	Tabitha Dell'Angelo	The Effects of Standardized Testing in New Jersey Schools	C	24
Sarah Barcelos, Maria Brando, Deirdre Cahill	Education	Elementary and Early Childhood Education	Tabitha Dell'Angelo	Discipline in New Jersey Schools	C	21
Mariah Scott	Education	Special Education, Language and Literacy & Deaf Education	Lauren Foxworth	Analyzing the Effectiveness of Evidence Based Instruction for a Student with Dyslexia	A	4
Megan Kresevic	Education	Special Education, Language and Literacy & Deaf Education	Lauren Foxworth	Improving the Reading Fluency of Students with Reading Disabilities	A	3
Nicole Stanton	Education	Special Education, Language and Literacy & Deaf Education	Lauren Madden	Future Elementary Teachers' Perspectives on the Importance of STEM	C	7
Alexandra Mallinas	Education	Special Education, Language and Literacy & Deaf Education	Louise Ammentorp	Addressing Environmental Racism in the Classroom	C	5
Emily Torgerson	Education	Special Education, Language and Literacy & Deaf Education	Louise Ammentorp	Tapping into TCNJ Water: An Analysis of the Relationship Between Trenton Water Works and TCNJ	C	6
Angela McEntee, Casey Lewis, Stephanie Shen	Education	Special Education, Language and Literacy & Deaf Education	Steven Singer	Becoming the Academy, Becoming Our New Selves	C	26

School of Engineering						
Alec Paterno, Madison Attanasio, Rhianna Follet, Montana Barrall	Engineering	Biomedical Engineering	Anthony Lau	Gait Amending Response System (GAIT.A.R.S.)	L	12
Benjamin Hezrony	Engineering	Biomedical Engineering	Anthony Lau	Effects of combined hind limb suspension and sRANKL on bone strength in mice by FEA	L	38
Randolff Carpenter	Engineering	Biomedical Engineering	Anthony Lau	Bone Mechanical Property Changes in Rats Exposed to Space Radiation	L	10
Emily Triolo	Engineering	Biomedical Engineering	Brett BuSha	Grip Augmenting Five-Fingered Powered Exoskeleton for the Human Hand	E	28
Jennifer Piserchia, Emily Triolo, Merin Kalapurackal, Quinn Rapps	Engineering	Biomedical Engineering	Brett BuSha	Combination Arthritis Therapy Device	L	13
Shivani Gupta, Shivani Gupta, Keerthana Santhakumar, Matthew Untalan, Jamie Jadav	Engineering	Biomedical Engineering	Christopher Wagner	Ergonomic Arthroscopic Shaver	L	9
Matthew Sanseverino, Noah Osterhus, George Exarchakis, Thomas Livecchi	Engineering	Biomedical Engineering	Connie Hall	VTSqueeze	K	29
Matthew Sanseverino	Engineering	Biomedical Engineering	Dr. Anthony Lau	The Effect of Hind Limb Suspension and Cast Mediated Immobilization on Bone Strength	L	11
Anahita Sabet-Payman	Engineering	Biomedical Engineering	Jeffery Erickson	X-Ray Crystallography	L	14
Kyle Ondar, Michael Di Nizo, William Graessle, Trystan Irmiere	Engineering	Biomedical Engineering	Manish Paliwal	Senior Design Project: WeLAD the Wearable Leg Assist Device	L	8

Vanessa Oyeneeye	Nursing, Health and Exercise Science	Public Health	Natasha Patterson	Reproductive Health and Justice Agenda	H	12
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School of Science

Computer Science Department Events: Lunch and Games 11:30am-12:15 pm in STEM 101, STEM 102; Presentation Session 1 12:15-1:10 pm in STEM CS Wing; Presentation Session 2 1:10-2:05 pm in STEM CS Wing; Annual Awards Ceremony 2:15-3:00 pm in STEM 102; UPE Induction Ceremony 3:15-4:00 pm in STEM 102	Physics Department Event: Physics student research talks will be given from 9:00am to 12:00pm in P-317	Biology Department Event: 1:15-2:15pm				
Marissa Pugliese, Erica Levin	Science	Biology	Curt Elderkin	Analyzing Temperature Tolerance Using Cardiovascular Stress of Elliptio Complanata	D	20
Gokul Murugesan, Riana Joseph	Science	Biology	Dennis Shevlin	Species verification of the obligate grass parasitic fungi Sporisorium ellisii and S. everhartii using rDNA ITS region sequences and SEM ultrastructure	A	29
Hershil Patel, Dongmin Kim, Nikita Patel	Science	Biology	Dennis Shevlin	Exploring the utility of ScoT primers in evaluating the population genetics of the obligate fungal parasite Sporisorium ellisii on its host plant, Andropogon virginicus.	D	18
Yash Kansara, Rujuta Patel	Science	Biology	Dennis Shevlin	A comprehensive analysis of the genetic structure of the obligate, fungal parasite, Sporisorium ellisii on its host plant, Andropogon virginicus from three geographically isolated populations	A	22
Mary Kate Hatch, Priya Sinha, Sai Chandra, David Ruff	Science	Biology	Don Lovett	Optimization of qPCR Parameters for Monitoring FAOMeT Expression in Carcinus maenus in Respose to Salt Stress	D	28
Kerstin Baran	Science	Biology	Gary Dickinson	Biomechanical and structural characterization of the coral Lophelia pertusa collected from sites with varying seawater chemistry	A	7
Shrey Patel	Science	Biology	Gary Dickinson	Effects of salinity and ocean acidification over two generations in the barnacle Amphibalanus amphitrite	B	31
vaishnavi rao	Science	Biology	Gary Dickinson	Characterization of shell plate ultrastructure and elemental composition in the barnacle Amphibalanus Amphitrite	B	25
Ahmed Mahmoud	Science	Biology	Gary Dickinson	Effects of Ocean Acidification on Exoskeleton Mechanical Properties of the Snow Crab, Chionoecetes opilio	A	26
Alyssa Webster	Science	Biology	Gary Dickinson	Morphology changes and mechanical differences in C. sapidus raised in a low-pH environment	D	16
Teresa Dinh	Science	Biology	Gary Dickinson	Lobster exoskeleton structure and mechanical properties are robust to ocean acidification	A	15
Abdul Kazi	Science	Biology	Howard Reinert	Spatial Ecology of Red Cornsnakes (<i>Pantherophis guttatus</i>) in the New Jersey Pine Barrens	A	23
Alina Osborn	Science	Biology	Howard Reinert	A Diet Assessment of the Red Cornsnake, <i>Pantherophis guttatus</i> , in the New Jersey Pine Barrens	A	31
Allison Stapel	Science	Biology	Howard Reinert	Substrate Preferences of the Red Cornsnake (<i>Pantherophis guttatus</i>)	B	29
Evan Cruz	Science	Biology	Howard Reinert	Analysis of <i>Peromyscus leucopus</i> Densities and Habitat Preference in the Pinelands of New Jersey	A	11
Katelyn Hode	Science	Biology	Howard Reinert	Shelter Selection by the Red Cornsnake, <i>Pantherophis guttatus</i>	A	19
Sai Batchu	Science	Biology	Janet Morrison	Comparison of genetic variation between smutted and healthy populations of Andropogon virginicus	C	28
Sharwani Kota	Science	Biology	Jeffery Erickson	Comparison of two EUS guided Liver biopsy techniques that Utilize 19g CORE biopsy needle to Obtain Optimal Core Specimen in Benign Disease	K	2
Alicia Illian	Science	Biology	Jeffery Erickson	1-week oral (gavage) pilot toxicity study with a 1-week recovery in male rats with invasive telemetry	A	21
Ally Vassalotti	Science	Biology	Jeffery Erickson	Creating a she-1 mutant in C. briggsae and Determining the Gene Interactions Involved in Germ Cell Fate in the Hermaphroditic Species of Caenorhabditis	H	20
Amar Desai	Science	Biology	Jeffery Erickson	Examination of a Novel Immunoregulatory Marker in Kidney and Lung Transplant Recipients	A	14

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Avneet Randhawa	Science	Biology	Jeffery Erickson	Drug Abuse Paterns in Medication-Assited Programs	D	30
Emily George	Science	Biology	Jeffery Erickson	Culmination of performance evaluation, user-ability, and character analysis studies of fibrin sealant XX	A	17
Jack Trubiano, Muhammad Siddiqui	Science	Biology	Jeffery Erickson	Respiratory Response of 5HT-Deficient Pet-1 Knockout Mice to Hypercapnic Challenge Following Developmental Exposure to Nicotine	H	19
Michael Osei	Science	Biology	Jeffery Erickson	The Effect of Central Serotonin Deficiency on Maternal Care and Pup Ultrasonic Vocalization	D	29
Tiffina Benhamou	Science	Biology	Jeffery Erickson	A transit peptide analysis pipeline based on Venus expression in Chlamydomonas reinhardtii	A	8
Suranjana Thakuria	Science	Biology	Jeffrey Erickson	Attaining the recombination of plasmid genes from the AdEasy Adenoviral Vector System	B	30
Nikhila Veguru	Science	Biology	Kathryn Elliott	Investigating the functions and interactions of two highly conserved neighboring genes, yqgE and yqgF, in large scale deletions and growth rates	D	15
Camille Huynh	Science	Biology	Keith Pecor	Hereditary Trends of Behavioral Responses to Predatory Cues in Daphnia	A	20
Jessica Hwang	Science	Biology	Leeann Thornton	Characterizing the role of CYP72A enzymes in maize in response to combined stress.	D	8
Namal Seneviratne	Science	Biology	Leeann Thornton	Structure-Function Analysis of CYP72A26 and CYP72A349 in Zea mays	B	26
Niha Mamillapalli	Science	Biology	Leeann Thornton	Investigating the defensive role Of CYP72A enzymes using Arabidopsis thaliana mutants under combined stresses	A	27
Reema Shah	Science	Biology	Leeann Thornton	Characterizing the role of CYP72A enzymes in Arabidopsis Thaliana under cold and bacterial stress	B	28
Alyssa Gargagliano	Science	Biology	Luke Butler	Does feather quality depend on timing of molt in the Carolina Chickadee?	A	16
Danyelle Underdue	Science	Biology	Manuel Figueroa	The effect of a surface pretreatment on the contact angle of silicone hydrophobic coatings used in biofouling studies	C	32
Alizeh Shamshad, Zahra Memon	Science	Biology	Marcia O'Connell	Analyzing Isoforms of the Translational Regulatory Protein ElrA in Early Zebrafish Development	D	26
Brianna Wallace, Wardah Bajwa	Science	Biology	Marcia O'Connell	Effects of zsquid proteins in the embryogenesis of zebrafish	J	26
Maureen Haque, Riana Joseph, Abigail Amponsah	Science	Biology	Marina De Souza	Quality of Life of Caregivers of Older Adults in Brazil	A	2
Anshel Bright Anshel Bright	Science	Biology	Matthew Wund	Cryptic Genetic Variation	A	9
Olivia Davis	Science	Biology	Matthew Wund	Do threespine stickleback use social cues to learn about predation risk?	A	12
Olivia El Naggar, Mari Angel Rodriguez	Science	Biology	Matthew Wund	Contemporary Evolution of Threespine Stickleback Fish (Gasterosteus aculeatus) from Cheney Lake, Alaska	B	1
Anurag Polkampally, Vineeth Amba	Science	Biology	Melkamu Woldemariam	Catabolism of Indole-3-carbinol in Arabidopsis thaliana	D	19
Madhav Patel	Science	Biology	Melkamu Woldemariam	Differential Defense Responses in NAM lines of Z. mays in Response to Insect Herbivory	D	5
Rooshna Mohsin, Constantine Stavrianidis	Science	Biology	Melkamu Woldemariam	The Role of the IAA-Amidase gene in Jasmonic Signaling Pathways in Maize Plants	D	31
Bhumi Shah, Mehdi Lemdani	Science	Biology	Nina Peel	Glutamylatation aids cold and colchicine tolerance in <i>C.elegans</i>	D	23
Ian Dominic de los Reyes, Sharwani Kota	Science	Biology	Nina Peel	The Effect of Glutamylatation on Cell Division in <i>C. elegans</i>	A	13
Jessica Dominguez	Science	Biology	Nina Peel	Characterization of redundancy in the <i>C. elegans</i> deglutamylating enzymes	J	24
Thomas Oliver	Science	Biology	Nina Peel	Characterization of the deglutamylating enzyme CAPP-1 in <i>C. elegans</i>	A	30
Avi Shah	Science	Biology	Sudhir Nayak	SlimShadey	B	27
Dennise Cortes, Krystle Vera	Science	Biology	Sudhir Nayak	The effects of chronic metal stress on the longevity of <i>C. elegans</i>	A	10
Adriana Mendizabal, Jessica Kopew	Science	Biology	Tracy Kress	Investigating the Role of Histone H4 Acetylation in RNA Splicing in Saccharomyces cerevisiae	C	29

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Jessica Kopew, Adriana Mendizabel	Science	Biology	Tracy Kress	Investigating the Role of Histone H4 Acetylation in RNA Splicing in <i>Saccharomyces cerevisiae</i>	B	3
Lawrence Palfini	Science	Biology	Tracy Kress	The Histone H4 acetyltransferase NuA4 is required for appropriate RNA splicing in <i>Saccharomyces cerevisiae</i>	J	1
Aaron Lee	Science	Biology	Wendy Clement	Exploring the evolutionary history of the CUP-SHAPED COTYLEDON (CUC) gene family in the honeysuckles (<i>Lonicera</i> , <i>Caprifoliaceae</i>) and relatives	A	25
Hiba Rahman-Vyas	Science	Biology	Wendy Clement	Isolation and phylogenetic reconstruction of CUP-SHAPED COTYLEDON (CUC) in honeysuckles (<i>Lonicera</i>)	B	23
Labeeqa Khizir	Science	Biology	Wendy Clement	Solving the Plastid Puzzle: De Novo Assembly of <i>Viburnum</i> using next generation sequencing	A	24
Linda Zhang	Science	Biology	Wendy Clement	The Art of Architecture: Evolution of Leaf Fusion and Inflorescences in Honeysuckle (<i>Periclymenum</i> , <i>Lonicera</i>)	D	17
Nicole Tineo	Science	Biology	Wendy Clement	Assessing the Species Boundaries of the <i>Lonicera alpigena</i> Species Complex Using Species Distribution Modeling	H	18
Allison Smith	Science	Chemistry	Abby O'Connor	The Solar Army at TCNJ: A Mentoring and Research Experience with Trenton High School	E	23
Celia Federico	Science	Chemistry	Abby O'Connor	Progress Towards the Synthesis of Iron Catalysts for CO ₂ Reduction to Methanol	E	10
Joyce Kim, Cesar Palacios	Science	Chemistry	Abby O'Connor	Extraction of Rare Earth Metals with NNN Pincer Ligands	E	14
Allison Smith, Celia Federico, Emily Podd	Science	Chemistry	Benny Chan	Fume Hood Sash Stickers to Increase Safety and Energy Efficiency	E	22
Tashii Brown, Sam Martinson	Science	Chemistry	Benny Chan	Alkaline Earth Aminoquinoline Sulfonamides with Potential application for Hydroboration of Aldehydes and Ketones catalytic	E	8
Desiree Agrinoni	Science	Chemistry	Danielle Guarracino	Macrocyclic Peptides as Inhibitors to Blood Clot Formation: Synthetic Schemes, Identification, Purification, and Protease Assay Testing	E	3
Gianna Barreto	Science	Chemistry	Danielle Guarracino	Stability and Binding Ability Analysis of Next Generation Peptide Inhibitors of Thrombosis	E	5
Lauren Morelli	Science	Chemistry	David Hunt	The Study of Michael Additions to Beta Halo Ethylamines	E	19
Sarah Shoeb, Zachary St. John	Science	Chemistry	David Hunt	Scope and limitation on the preparation of isoquinolin-4(3H)-ones and tetrahydro-1H-benzo[d]azepin-1-ones via Parham cyclization chemistry	E	21
Sondra Lionetti	Science	Chemistry	David Hunt	Reactions of Phenylsuccinic Anhydride with Michael Acceptors	E	15
Erica Bocanegra, Ariel Lerner	Science	Chemistry	Donald Hirsh	Utilizing Adsorption for the Storage of Hydrogen	E	6
Hamzah Hussain Clifford Yung	Science	Chemistry	Donald Hirsh	Hydrogen Production: Photoelectrochemical Splitting of Water	E	13
Matthew Porowski, Zachary Ziolkowski	Science	Chemistry	Donald Hirsh	Photoelectrocatalytic hydrolysis with titanium oxide for use in photoelectric cells	E	20
Michael Mitrane	Science	Chemistry	Donald Hirsh	Positively Charged LEST as a Superior Method for Nitric Oxide Detection	E	18
Rithika Balaji Prasad, Brian Gaffney	Science	Chemistry	Donald Hirsh	The Hydrogen Economy: High-Pressure Electrolysis	E	4
Robyn Abrams, Grace Cocanower	Science	Chemistry	Donald Hirsh	The Hydrogen Economy: Analysis of Synthetic Natural Gas Production and Potential	E	1
Samuel Grala, Santiago Cardenas	Science	Chemistry	Donald Hirsh	Biological Production of Hydrogen in the Hydrogen Economy	E	11
Zachary Vazquez, Ev Huynh	Science	Chemistry	Donald Hirsh	Hydrogen Production Via High-Temperature Electrolysis: A Solution to the Need for Carbon-Neutral Energy Production	E	25
Alexandra Milfort	Science	Chemistry	Heba Abourahma	Synthesis and Characterization of Hydroxy-Azobenzene Co-Crystals	E	16
Kyra Herman	Science	Chemistry	Heba Abourahma	Crystal Engineering of Bidentate Hydroxyazobenzene Dyes and 4,4'-bipyethene	E	12
Bryan Bogin, Chris Lovenduski	Science	Chemistry	Joseph Baker	Uncovering the mechanism of elongation in type IV pili filaments using computational methods	E	7
Kristen Vogt	Science	Chemistry	Joseph Baker	Investigating the Effect of Deep Eutectic Solvents on Protein Scaffolds and Drug Transport in Lipid Bilayers	E	26
Laraeb Tahir	Science	Chemistry	Lynn Bradley	Synthesis of Aromatic Silyl Ketones for Brook Rearrangement Studies	E	24

Celebration of Student Achievement: Poster Session Schedule 2019

Morgan Epley, Gina Wodarczyk	Science	Chemistry	Lynn Bradley	Michael Additions to Homophthalic Anhydride	E	9
Eliana Aerts, Akshaya Srinivasan	Science	Chemistry	Stephanie Sen	Kinetic Studies of Ammonium Diphosphate Inhibitors on Type 2 FPPS	E	2
Brian Duke	Science	Computer Science	Andrea Salgian	Guitar Fingering Recognition with Computer Vision		STEM CS Wing
Jabari Brown	Science	Computer Science	Andrea Salgian	Teaching Conducting Patterns	D	11
Jabari Brown	Science	Computer Science	Andrea Salgian	Teaching Conducting Patterns		STEM CS WING
Victoria Green	Science	Computer Science	Andrea Salgian	Virtual Painting with the Microsoft Kinect		STEM CS WING
Jenna Oak, Gabrielle Curcio	Science	Computer Science	Deborah Knox	Integration of Accessibility Features and Real-time Room Reservation Capabilities Using Ionic Framework		STEM CS WING
Kiernan Dempsey	Science	Computer Science	Deborah Knox	Mobile Application Development Using Ionic Framework: From Call Number to Library Stack Location		STEM CS Wing
Ryan Bogutz	Science	Computer Science	Deborah Knox	Creating Relevant Statistics and Plots from Real-Time Occupancy Data		STEM CS WING
Madeline Febinger Sarah Almeda	Science	Computer Science	Dimitris Papamichail	Algorithms and tools for protein variant library design by multiplex oligo synthesis		STEM CS WING
Nicholas Waszkiewicz Cole Ding	Science	Computer Science	Dimitris Papamichail	Live Phylogeny with Polytomies: Finding Most Compact Parsimonious Trees		STEM CS Wing
Sehajpal Takkar	Science	Computer Science	Jikai Li	A survey of proof of storage and proof of bandwidth for decentralized media		STEM CS WING
James Kennedy	Science	Computer Science	Jikai Li	Registration System Design for Decentralized Media	D	12
James Kennedy	Science	Computer Science	Jikai Li	Registration System Design for Decentralized Media		STEM CS Wing
Ben Delany	Science	Computer Science	Michael Bloodgood	The Effects of Changing Parameters on Text Classification Using Neural Networks		STEM CS Wing
Michael Altschuler	Science	Computer Science	Michael Bloodgood	Automatic Outline Generation with Natural Language Processing		STEM CS WING
Michael Mongelli	Science	Computer Science	Nicholas Battista	SWISH Motion! Dynamics of Pendulums in a Fluid Medium	D	14
Michael Mongelli	Science	Computer Science	Nicholas Battista	SWISH Motion! Dynamics of Pendulums in a Fluid Medium		STEM CS Wing
Juliet Job	Science	Computer Science	Sejong Yoon	An Exploratory Study on Coupled Dense SIFT and Pixel Intensity Quantization for Mammographic Masses Retrieval		STEM CS Wing
Adham Elbaz	Science	Computer Science	Sharif Mohammad Shahnewaz Ferdous	The effects of exposure to multiple virtual reality sessions on Cyber sickness		STEM CS Wing
George Wallden	Science	Computer Science	Sharif Mohammad Shahnewaz Ferdous	VR Classroom: The Presence of a virtual teacher avatar's effect on learning.		STEM CS Wing
Thomas Molloy	Science	Computer Science	Sharif Mohammad Shahnewaz Ferdous	Comparing The Effectiveness of Virtual Reality To Video As A Teaching Method		STEM CS WING
Alice Li	Science	Math and Statistics	Chamont Wang	Forecasting sales using time series analysis and neural networks	I	24
Antonio Mastoris	Science	Math and Statistics	Chamont Wang	Principle Component & Binary Classification of Cancer-Causing Risk Factors	I	26
Brielle Formanowski	Science	Math and Statistics	Chamont Wang	Analyzing Risk Factors for Coronary Heart Disease	I	14
Carly Mauro	Science	Math and Statistics	Chamont Wang	The Black-Scholes Pricing Model: Application to Financial Derivatives and R Implementation	I	27
Danielle Demateis	Science	Math and Statistics	Chamont Wang	Markov Chain Monte Carlo in Gibbs Sampling	I	8

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Joseph Cole	Science	Math and Statistics	Chamont Wang	Derivation and Comparison of Option Pricing Models	I	5
Kyle Czajkowski	Science	Math and Statistics	Chamont Wang	Quantile Regression Analysis on the Efficiency of Athletes	I	7
Olivia Shenkman	Science	Math and Statistics	Chamont Wang	Binary Classification of Animal Shelter Outcomes Based on Adoption Trends	I	35
Rachel Horvath	Science	Math and Statistics	Chamont Wang	A Jaw-Dropping Robust Regression of Shark Attacks	I	19
Thomas Van Gemert	Science	Math and Statistics	Chamont Wang	The Black-Scholes Model, Derivation and Applications	I	40
Aidan Lalley	Science	Math and Statistics	Cynthia Curtis	Triangle groups and their presentation	I	23
Alexandra Hoffmann	Science	Math and Statistics	Cynthia Curtis	Classifying Surfaces	I	18
Brian Padreza	Science	Math and Statistics	Cynthia Curtis	Knot Theory and the Fundamental Group	I	31
Christopher Kalb	Science	Math and Statistics	Cynthia Curtis	Cayley Graphs and Applications	I	21
Justin Farnsworth	Science	Math and Statistics	Cynthia Curtis	Hamiltonian Graphs	I	12
Kate O'Connor	Science	Math and Statistics	Cynthia Curtis	The Seifert-Van Kampen Theorem	I	30
Kathryn Tyrasinski	Science	Math and Statistics	Cynthia Curtis	Eulerian Trails and Circuits	I	39
Lindsay Guzik	Science	Math and Statistics	Cynthia Curtis	Harmonious Coloring of Paths, Trees, and Cycles	I	17
Rebecca Conn	Science	Math and Statistics	Cynthia Curtis	Reconstructibility of Graphs	I	6
Sebastian Calvo	Science	Math and Statistics	Cynthia Curtis	Covering Spaces	I	4
Terance Schuh	Science	Math and Statistics	Cynthia Curtis	Using Euler characteristics to understand nuclear pasta	I	34
Theresa Wetherell	Science	Math and Statistics	Cynthia Curtis	The Four Color Theorem	I	42
Christopher Zurfluh, Michael LoBue	Science	Math and Statistics	David Holleran	Race and Policing: A reexamination of North Carolina Traffic Stop Data.	I	43
Jacob Kaminsky	Science	Math and Statistics	Jana Gevertz	The Black Scholes Equation	I	22
Alyssa Farrell	Science	Math and Statistics	Jana Gevertz	The Structure and Applications of Fractals	I	13
Briana Vieira	Science	Math and Statistics	Jana Gevertz	The Existence of Limit Cycles	I	41
Christian Tucker	Science	Math and Statistics	Jana Gevertz	Prisoner's Dilemma	I	38
Jason Miles	Science	Math and Statistics	Jana Gevertz	Network Flows	J	29
Jordan Sperling	Science	Math and Statistics	Jana Gevertz	Markov Chains and the PageRank Algorithm	I	37
Kylie Getz	Science	Math and Statistics	Jana Gevertz	Diffusion in Biological Settings	I	15
Nicolas Bolle	Science	Math and Statistics	Jana Gevertz	Characterizing Chaos with Sarkovskii's Theorem	I	3
Nicole Smallze	Science	Math and Statistics	Jana Gevertz	Numerical Approximation of the Black-Scholes Equation	I	36
Robert Dunphy	Science	Math and Statistics	Jana Gevertz	Why Can't We All Just Get Along? Mathematically Modeling Predator-Prey Relationships	I	11
Ryan Aschoff	Science	Math and Statistics	Jana Gevertz	Heat Equation and Green's Functions	I	1
Melissa Novak	Science	Math and Statistics	Judit Kardos	Formative Assessments and the "Testing Effect" in a Mathematics Classroom	K	30
Nicolas Bolle	Science	Math and Statistics	Matthew Mizuhara	Analysis of traveling waves in a cell motility model	I	2

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Kylie Getz	Science	Math and Statistics	Michael Ochs	Head and Neck Cancer	I	16
Christopher Jakuback	Science	Math and Statistics	Nicholas Battista	Try to weigh me down: testing the limits of jellyfish jet propulsion	I	20
Jason Miles	Science	Math and Statistics	Nicholas Battista	Naut Your Everyday Jellyfish	I	28
Julianna Douglas	Science	Math and Statistics	Steffen Marcus	Race IAT Data: An Investigation	I	10
Christine Papas	Science	Math and Statistics	Susanna Monseu	Analysis of Global Data Localization Laws	K	31
Christina DiGiovanna	Science	Math and Statistics	Wei-Hong Wang	Analysis of Eli Manning Using Binary Classification and Control Charts	I	9
Christine Papas	Science	Math and Statistics	Wei-Hong Wang	Analysis of Bias in the Human Freedom Index	I	32
Melanie Loth	Science	Math and Statistics	Wei-Hong Wang	Entropy, Cross Entropy, and Autocorrelation in Image Processing	I	25
Stefan Masiuk, Robert Conwell	Science	Physics	David McGee	Optically Reconfigurable Surface Microstructures on Polymeric Thin Films	D	4
Simran Kaur	Science	Physics	Nathan Magee	In-Situ Spectroscopic Ellipsometry	D	3
Nicholas Juliano	Science	Physics	Paul Wiita	High Resolution Three-Dimensional Hydrodynamic Jet Simulations of Radio-Loud AGNs	D	2
Zachery Andreula, Rob Conwell	Science	Physics	Romulo Ochoa	Back-Engineering a Spatial Light Modulator	D	1

Honors

Honors Program Posters - Bower Student Center 100 West						
5:00-6:00 PM						
Robyn Abrams and Grace Cocanower	Arts and Communication / Science	Visual Arts and Biology	Hirsh	The Hydrogen Economy: Analysis of Synthetic Natural Gas Production and Potential	F	1
Rithika Balaji Prasad and Brian Gaffney	Science	Biology	Hirsh	The Hydrogen Economy: High-Pressure Electrolysis	F	2
Erica Bocanegra and Ariel Lerner	Science	Chemistry and Biology	Hirsh	Utilizing Adsorption for the Storage of Hydrogen	F	3
Hamzah Hussain and Clifford Yung	Science	Chemistry	Hirsh	Hydrogen Production: Photoelectrochemical Splitting of Water	F	4
Samuel Grala and Santiago Cardenas	Science	Biology	Hirsh	Biological Production of Hydrogen in the Hydrogen Economy	F	5
Matthew Porowski and Zachary Ziolkowski	Science	Chemistry	Hirsh	Photoelectrocatalytic hydrolysis with titanium oxide for use in photoelectric cells	F	6
Zachary Vazquez and Ev Huynh	Arts and Communication / Science	Interactive Multimedia and Chemistry	Hirsh	Hydrogen Production Via High-Temperature Electrolysis: A Solution to the Need for Carbon-Neutral Energy Production	F	7
Alex Birbilis	Education	Elementary Education/LIT 310 (HBC)	Meixner	How a Children's Book Gets Published	F	8
Antonio Carollo	Business	Accountancy/AAS 378 (HBC)	Williams	DuBois and Pan-Africanism: Exploring Black Ontology Across the African Diaspora	F	9
Rebecca Colnes	Humanities & Social Sciences	Sociology/CRI 390 (HBC)	Cannito-Coville	An Examination of White Supremacist Activity in New Jersey	F	10
Olivia Davis	Science	Biology	Wund	Do threespine stickleback use social cues to learn about predation risk?	F	11
Maria Fairfield and Stephen Jones	Science	Chemistry	Baker	Investigating the response of type IV pilins and type IV pilus filaments to applied force using all-atom steered molecular dynamics simulations	F	12
Celia Federico	Science	Chemistry	O'Connor	Progress Towards the Synthesis of Iron Catalysts for CO2 Reduction to Methanol	F	13
Robin Friedman	Arts and Communication	Interactive Multimedia/COM 312 (HBC)	Johnson-Frizell	Late Again	F	14

Alberto Gonzalez	Science	Chemistry	Baker	Comparative Analysis of Bacterial Membrane Assembly in the Presence of Choline Geranate Derivatives	F	15
Julia Gonzalez	Business	Marketing/INB 330 (HBC)	Tang	Does the Foreign Exchange Rate Matter to Your Chocolates: A Case Study of Ghana	F	16
Kyra Herman	Science	Chemistry	Abourahma	Crystal Engineering of Bidentate Hydroxyazobenzene Dyes and 4,4'-bipyethene	F	17
Aaron Lee	Science	Biology	Clement	Exploring the evolutionary history of the CUP-SHAPED COTYLEDON (CUC) gene family in the honeysuckles (Lonicera, Caprifoliaceae) and relatives	F	18
Erica Levin	Science	Biology	Elderkin	Analyzing Temperature Tolerance Using Cardiovascular Stress of Elliptio Complanata Populations	F	19
Daniela Nattes	Science	Biology	Morrison	Invasive species Microstegium vimineum finds success in Northeastern American suburban forests by taking advantage of open space	F	20
Colin O'Hara	Engineering	Civil Engineering	Brennan	Analyzing the Affects of a Road Diet Implemented on Parkway Ave	F	21
Bhumi Shah	Science	Biology	Peel	Microtubule Stressors	F	22
Alizeh Shamshad	Science	Biology	O'Connell	Analyzing Isoforms of the Translational Regulatory Protein ElrA in Early Zebrafish Development	F	23
Allison Smith	Science	Chemistry	O'Connor and Chan	The Solar Army at TCNJ: A Mentoring and Research Experience with Trenton High School	F	24
Allison Smith	Science	Chemistry	O'Connor and Chan	Fume Hood Sash Stickers to Increase Safety and Energy Efficiency	F	25

Bonner Community Scholars						
Matthew DeGenova	Business	Accounting & Information Systems	Stephanie Shanklin	Empathy: The Catalyst for Learning	G	8
Dominic Clark	Business	Management	Stephanie Shanklin	Increasing Impact: A 4 Year Service Exploration	G	5
Eric Struble	Education	Educational Administration and Secondary Education	Jonathan Davis	JFE Practitioner Reflection	C	20
Cori Haider	Education	Elementary and Early Childhood Education	Stephanie Shanklin	Bonner Community Scholar Senior Capstone	H	14
Serina Grasso	Education	Elementary and Early Childhood Education	stephanie shanklin	Bonner Experience	C	25
Dana Corn, Antonio Capozzoli, Claire Ehret	Education	Elementary and Early Childhood Education	Tabitha Dell'Angelo	African American English in the Classroom	C	22
Rosemary Nivar, Giulia Califano, James Perry	Engineering	Civil Engineering	Michael Horst	Quaker Road Redesign	L	17
Jessica Middleton	Humanities & Social Sciences	English	Stephanie Shanklin	My Time as a Bonner Community Scholar	K	5
Jahnvi Upreti	Humanities & Social Sciences	International Studies	Brian Potter	Women as the Key to Economic Fulfillment: Analyzing the fundamental connection between gender equality and economic prosperity in India	K	19
Annette Espinoza	Humanities & Social Sciences	Political Science	Stephanie Shanklin	Making Way for the Light: Addressing the Digital Divide and Providing Resources to the Homeless	D	25
Samantha Green, Amanda Julve	Nursing, Health and Exercise Science	Nursing	Tracy Perron	Child Health and Wellness in Trenton, NJ	J	27
Maureen Haque, Riana Joseph, Abigail Amponsah	Science	Biology	Marina De Souza	Quality of Life of Caregivers of Older Adults in Brazil	A	2
Jason Miles	Science	Math and Statistics	Jana Gevertz	Network Flows	K	30
Jason Miles	Science	Math and Statistics	Nicholas Battista	Naut Your Everyday Jellyfish	I	28