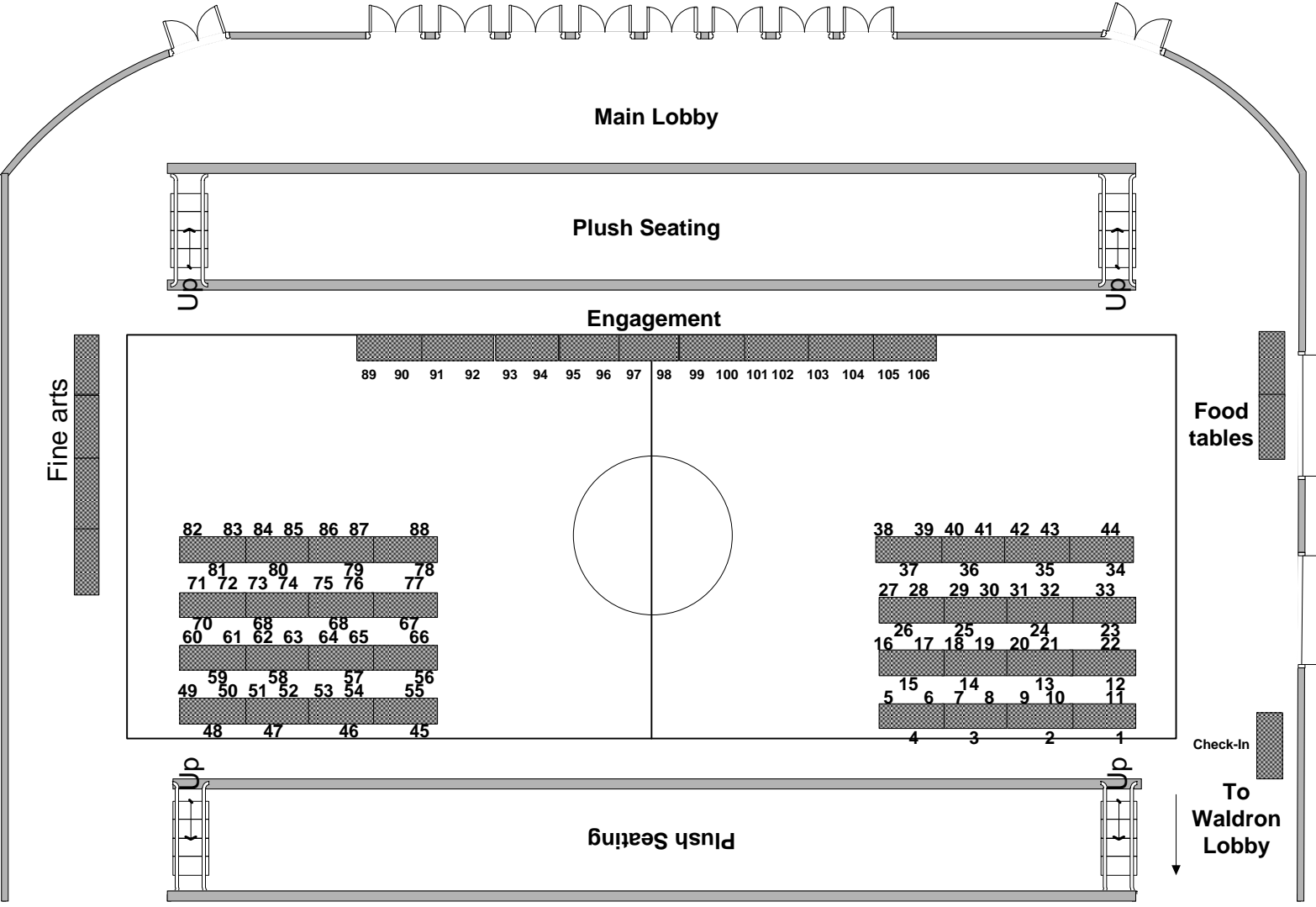


Date of Event Friday 4.12.2019
Event Hours 12:00PM – 5:00PM
Name of Event Celebrate Gannon
Contact Person Lisa Quinn
Phone Number 5327
Preparer and Date Prepared BKF

NOTES:
1-88: Research Scholarship
89- 106:



Poster Layout Key

| | Category | Discipline | Student Presenters | Title |
|-----------|----------------------|-------------------|--|--|
| 1 | Research Scholarship | Biology | Jordyn Buchanan, Kasie Inserra | Role of SCAMP3 in CXCR4 Trafficking |
| 2 | Research Scholarship | Biology | Meghan Robick, Caleigh Adams | Reducing Cellular Tau levels Alleviates β -amyloid Induced Symptoms of Alzheimer's Disease in Mice |
| 3 | Research Scholarship | Biology | Lydia Lukomski, Alex Stuauff, Meghan Robick | Evaluation of Lysine Anabolic Blockade as a Bacteriostatic in the Possible Rescue of Human Thp1 Monocytes from Mycobacterium Smegmatis-induced |
| 4 | Research Scholarship | Biology | Meghan Robick, Parmvir Deo | Regulation of Dihydrofolate Reductase (DHFR) Gene Expression in Human Breast Tissue Cell Lines |
| 5 | Research Scholarship | Biology | Michael Guo, Breeanna Kelly | Lewy Body-like α -Synuclein Aggregates Resist Degradation and Impair Macroautophagy |
| 6 | Research Scholarship | Biology | Samantha Valaitis, Nicole Wiemken | Parkinson's Disease: Plans of Treatment with iPSC's and CRISPR-Cas9 |
| 7 | Research Scholarship | Biology | Ryan C. Young, Karissa Jones | Cryptolepine Action on Insulin Resistance in High-Glucose Diet-fed Caenorhabditis elegans |
| 8 | Research Scholarship | Biology | Allyson Owens, Rachel Stubler | The Role of trans-Golgi Network and Endosomal Adaptors in Nitrogen-Regulated Growth of Saccharomyces cerevisiae |
| 9 | Research Scholarship | Biology | Micheal Stewart, Parmvir Deo, Matthew Dilts, Ishveen Saini | Comparison of the Evolutionary Rates of Streptomycin Resistance in Three Common Agents of Urinary Tract Infection |
| 10 | Research Scholarship | Physical Therapy | Derek Hosier, Jennifer Gravatt, Katie Hain, Jessica Armstrong | Investigation of Elder Abuse Recognition and Prevention Training in Education Curriculum |
| 11 | Research Scholarship | Physical Therapy | Kaitlyn Cooney, Brenna Powers, Megan Schoming, Samantha Shepherd | Observation of Movement Experience Test |
| 12 | Research Scholarship | Business | Anthony Marafioti | La Porchetta: Application of GIS to Family-owned Restaurant in Melbourne, Australia |
| 13 | Research Scholarship | Business | James Kennedy | Retirement Plan Withdrawals |
| 14 | Research Scholarship | Business | Jared P. Douth | Church Congregation Asset Mapping |
| 15 | Research Scholarship | Business | Joseph Cox, James Keefe | Demographics of Sports Fans in Erie |

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|-----------|----------------------|---|--|--|
| 16 | Research Scholarship | Criminal Justice | Adam Figurski | Walkability and Safety of Routes to East Middle School |
| 17 | Research Scholarship | Criminal Justice | Cora Yenges | Walkability And Safeness of Edison Elementary School |
| 18 | Research Scholarship | Criminal Justice | David Long | Surveillance Camera Distribution and Serious Crime Occurrence in Our West Bayfront & Downtown Erie, Pennsylvania |
| 19 | Research Scholarship | Criminal Justice | Yasir Alsharif, Joseph Loiseau | Spatial Distribution of Violent and Non-violent Offenses in Erie Pennsylvania |
| 20 | Research Scholarship | Criminal Justice | Keosha N. Johnson | Alcohol Outlet Density and Domestic Violence |
| 21 | Research Scholarship | Criminal Justice | Lindon King | The Spatial Characteristics of Crimes Against Juveniles in Erie, Pennsylvania |
| 22 | Research Scholarship | Criminal Justice | Nicholas Babay, Yasir Alsharif | The Correlation of Poverty and Crime in Erie Pennsylvania |
| 23 | Research Scholarship | Criminal Justice | Nolan Brough, Josh Jackson | Spatial Distribution of Drug Abuse Crime and Poverty in the City of Erie |
| 24 | Research Scholarship | Criminal Justice | Spencer Malone | Violent Crime and Poverty in Our West Bayfront Neighborhood |
| 25 | Research Scholarship | Criminal Justice | Susan Foran | McKinley Elementary Walkability |
| 26 | Research Scholarship | Criminal Justice | Yasir Alsharif | Walkability and Safety of Routes to Strong Vincent Middle School |
| 27 | Research Scholarship | Criminal Justice | Zachary M Waggoner | Drugs and Violent Behavior in Erie, Pennsylvania |
| 28 | Research Scholarship | Criminal Justice | Brandon Felkins | Level of Crime by Police Patrol Destination |
| 29 | Research Scholarship | Criminal Justice and Political Science | Heather Zelcs | School Type & Substance Use: An International Examination |
| 30 | Research Scholarship | Criminal Justice Industrial Engineering | Logan Clarke, Adam Crise | Sight Your Site: Physician Assistant Program Clinical Analysis |
| 31 | Research Scholarship | Psychology | Drew Barger, Elizabeth Raymond, Kaitlyn Miller | Self-Confidence and Grit in Athletes, Non-Athletes, and Honors Students |
| 32 | Research Scholarship | Psychology | Zy'Anne Grady, Hannah Kitcey, Cassie Hoida, Laura Carper | A comparison of first generation and non-first generation students on stressors, coping mechanisms, and university resources |
| 33 | Research Scholarship | Honors Program | Kathryn Dickey | The Role of Culturally Sensitive and Community-oriented Mental Health Initiatives in Africa |

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|-----------|----------------------|-------------------------|--|---|
| 34 | Research Scholarship | McNair Scholars Program | Katherine Galgozy, Morgan Nyman, Vera Ampadu | The Effect of Pharmaceuticals and Personal Care Products in Freshwater Sources in Erie, Pennsylvania |
| 35 | Research Scholarship | McNair Scholars Program | Mariam Alkafaji, Danielle Samuel, Medina Klino | Toxic Algae of Lake Erie |
| 36 | Research Scholarship | McNair Scholars Program | Leah Achille, Ileana Calderon-Martell, Sabrina Kosnik, Jan Logsdon | Making Gannon University a Carbon Free Campus through Solar and Wind Energy |
| 37 | Research Scholarship | McNair Scholars Program | Zy'Anne Grady, Cytalia Crosby, Mary Lohitai | Waste Management in Erie, PA |
| 38 | Research Scholarship | Physician Assistant | Alexandra Begley | Medical Cannabis in the Treatment of Parkinson's Disease |
| 39 | Research Scholarship | Exercise Science | Ryan Hatkevich, Gerald Zachar | Cardiac Rehabilitation Study |
| 40 | Research Scholarship | Exercise Science | Andrew Fry, Zachery Buell | JumpStart Program |
| 41 | Research Scholarship | Athletic Training | Jinwoo Song, Bremont Robison | Conservative Posture Correction Techniques to Alleviate Pathological and Improper Function of Upper Extremity |
| 42 | Research Scholarship | Athletic Training | Kristen Moore, Alicia Lyon | Arteriovenous Malformation in a Collegiate Athlete: A Case Study |
| 43 | Research Scholarship | Athletic Training | Tsukasa Ohashi, Jared Limbeck | The Effect of Instrument Assisted Soft Tissue Mobilizations (IASTM) on Muscular Activity |
| 44 | Research Scholarship | Wellness | Mackenzie Wenrick | Tobacco-Free Initiative: Behaviors, Attitudes, and Perceptions Related to Tobacco Use on Campus |
| 45 | Research Scholarship | Engineering | Mitchell Wesley, Niklas Bitters, Tenger Batjargal | Autonomous Snow-Removal Robot |
| 46 | Research Scholarship | Engineering Biomedical | Sarah Ingerick, Emily Schweitzer, Sabrina Kosnik | Design and 3D Printing of Inguinal Hernia Repair Mesh |
| 47 | Research Scholarship | Engineering Biomedical | Mustafa Saracevic, Gabriel Simon Sosa, Eduardo De Bonis Encinosa | Comparison of different materials for 3-D printed mesh with application in hernia treatment |
| 48 | Research Scholarship | Engineering Biomedical | Alturkestani Bashayr, Kosnik Sabrina, Simon Sosa Gabriel | Thermal Analysis of Cancerous and Healthy Tissues during Cryosurgery |
| 49 | Research Scholarship | Engineering Biomedical | Emily Schweitzer, Alicia Massara | Effects of Adverse Temperatures on the Human Eye |

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|----|----------------------|------------------------|--|---|
| 50 | Research Scholarship | Engineering Electrical | Daniel Driscoll, Carter Miller, Chris Devine | Heelys Mobile Charger |
| 51 | Research Scholarship | | Shayla Jones | |
| 52 | Research Scholarship | Engineering Electrical | Rachel Amorose, Richard Marcheleovich, Daniel Nunez, Zackary Witt | Smart Gardener |
| 53 | Research Scholarship | Engineering Mechanical | Alyssa Monohon, Joel Leise, Noah Cardella | Testing True Efficiency of Boilers on Campus |
| 54 | Research Scholarship | Engineering Mechanical | Carley Sawyer | Numerical Analysis of Charging Process of a Shell and Tube Latent Heat Thermal Energy Storage System with PCM Embedded in Highly Conductive Porous Material |
| 55 | Research Scholarship | Engineering Mechanical | Jason Geiger | Analysis of Thermodynamic Properties During Biochar Production |
| 56 | Research Scholarship | Engineering Mechanical | Kenleigh Dickinson, Kasra Ghahremani, Josh Wolf | Applications of Energy Harvesting with Thermoelectric Devices |
| 57 | Research Scholarship | Engineering Mechanical | Samantha Moretti, Julia Baumgarner, Kassianne Tofani | Thermodynamic Principles of Temperature Regulating Medical Devices |
| 58 | Research Scholarship | Engineering SEECs | Clara Almeter, Olivia Graham, Justice Jones, Austin Kinsella, Charles Maier, Spencer Miller, Andrew Mottola, Ashlynn Uzl | Designing Hydroponic Garden Systems for the Homes of L'Arche Erie |
| 59 | Research Scholarship | Engineering SEECs | Joseph Sam Rubaker, Alicia Massara, Charles Williams, Chad Barrick, Sarah Ingerick, Sabrina Kosnik | Hybrid Renewable Energy Station |

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|-----------|----------------------|-----------------------|--|--|
| 60 | Research Scholarship | Engineering SEECs | Noah Cardella, Keefer Gregoire, Justin Groshek, Emily Poach, Kassianne Tofani | Harnessing Spin Bike Energy to Power Renewable Energy Movement |
| 61 | Research Scholarship | Environmental Science | Evan Phoenix | Best Places to Live in Erie 2018 |
| 62 | Research Scholarship | Environmental Science | Lily Cogley | Spatial Discovery of New Business Frontiers in Erie County |
| 63 | Research Scholarship | Environmental Science | Quasai Abdelwahab | Walkability and Safety of Routes to/from Pfeiffer Burleigh Elementary School |
| 64 | Research Scholarship | Environmental Science | Stephanie Majewski, Joseph Westrick, Leah Achille | Erie 2030: Green Roof Exploration |
| 65 | Research Scholarship | Mathematics | Zach Aszalos | Analyzing Maximum and Minimum Scores of 2048 Game Boards |
| 66 | Research Scholarship | Occupational Therapy | Allison Blatt, Colleen Cummings, Morgan Demyanovich, Emily Tomer, Jennifer Weightman | Program Effectiveness of Life Skills Classes |
| 67 | Research Scholarship | Occupational Therapy | Sara Crandall, Angela DeBlasio, Jeanette Koeth, Hannah Manczka, Margaret Wilhelm | Mental Illness: Level II Fieldwork Exposure and Occupational Therapy Students' Attitudes |
| 68 | Research Scholarship | Occupational Therapy | Jamie K. DiFrank, Abigail P. Hamilton, Tina M. Larson, Brooke M. Scott, Savanna R. Steffen | Mother-Infant Bond in High-Risk Mothers and their Infants |
| 69 | Research Scholarship | Occupational Therapy | Kelsey Orr, Jennifer Krider, Sadie Brunot | Perspectives on Sexuality and Intimacy for Adults 50 and Older |
| 70 | Research Scholarship | Occupational Therapy | Lynette Scotese-Wojtala | The Effects of the S.U.C.C.E.S.S. Approach in Preschoolers with Autism |
| 71 | Research Scholarship | Occupational Therapy | Mary Mai Iwanenko, MS, OTR/L | Ready or Not? Entry-level OT Readiness for Interprofessional Collaboration |

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|-----------|----------------------|----------------------|---|---|
| 72 | Research Scholarship | Occupational Therapy | Brandi Brendle, Tara Edwards, Meagan Hyslop, Haley Richards | The Relationship Between Handwriting Skills and Visual-Motor Integration in Children in Grade 4 |
| 73 | Research Scholarship | Occupational Therapy | Kaitlyn Heath, OTS; Abigail Schmidt, OTS; Julia Corello, OTS; Chelsea Scott, OTS; Bridget Burnett, OTS; Alexis Ishman, OTS | The Impact of Tactile Play in Increasing Oral Acceptance of Wet Food Items |
| 74 | Research Scholarship | Occupational Therapy | Marissa Foriero, Jenna Hoffman, Stephanie Jickess, Taylor Roseto, Anna Winter | Children's Attitudes Towards Peers With Physical Disabilities |
| 75 | Research Scholarship | Occupational Therapy | Carrie L Jost, MS, OTR/L | Promoting Collaborative and Contextual Practice in School-Based Occupational Therapy |
| 76 | Research Scholarship | Occupational Therapy | Danielle DiLuzio, MS, OTR/L | An International Fieldwork Experience Program: Preparing Students for an Immersion Experience |
| 77 | Research Scholarship | Social Work | Alexa Johnson | Autism Amongst United States |
| 78 | Research Scholarship | Social Work | Alissa Romeo | How much do you know about child abuse? |
| 79 | Research Scholarship | Social Work | Baylee Hodder | Child Abuse |
| 80 | Research Scholarship | Social Work | Daniel Baker | Relations with Hispanics in the United States |
| 81 | Research Scholarship | Social Work | Gabrielle Aldridge | Mass Incarceration in the U.S |
| 82 | Research Scholarship | Social Work | Igor Y Miroshnichenko | Absent Father Figures |
| 83 | Research Scholarship | Social Work | Jericho Konzel | Rape Culture and the Prevalence of Reporting on the basis of Stigmatization |
| 84 | Research Scholarship | Social Work | Kathryn Dickey | Hospice and Palliative Care |
| 85 | Research Scholarship | Social work | Kimberlea Carlson | Suicide in the United States |
| 86 | Research Scholarship | Social Work | Mary Therese Nelson | The Stigma of Foster Care Adoption |
| 87 | Research Scholarship | Social Work | Erin Wise | Homelessness |

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|----|------------|-------------------------------|---|---|
| 88 | Engagement | Villa Maria School of Nursing | Ashley Rega, Katie Thompson, Robert Sharkey, Michaela Banta, Naresh Timsina, Maggie McLaughlin, Jillian Chezosky, Sara Gillespie | Journey to Self-Actualization |
| 89 | Engagement | Center for Social Concerns | Caleigh Adams, Rachel McKernan | Alternative Break Service Trip Detroit 2019 |
| 90 | Engagement | Biology | Cheyenne Barger | An Afterschool STEM Outreach Program to Support Students and Their Families |
| 91 | Engagement | Center for Social Concerns | Conner Wasser Kane, Dorian Tamburlin | Merida |
| 92 | Engagement | Environmental Science | Isaac Merritt | Invasive Species in Erie County |
| 93 | Engagement | Center for Social Concerns | Katelyn Gress, Madeline Rowley | Our West Bayfront Alternative Break Service Trip |
| 94 | Engagement | Occupational Therapy | Samantha Brown, Kassidy Deuber, BethAnn Doyno, Katherine Kiss, Cassidy Kozarski | Occupational Therapy Level I Fieldwork in Ecuador |
| 95 | Engagement | Villa Maria School of Nursing | Daniel Baker, Jordyn Buchanan, Amy Caldwell, Sara Gillespie, Autumn Hardner, Brady Hartle, Katherine Howey, Jacob Landi, Meredith Morse, Michael Mozdzen, Gabriela Palombo, Gabrielle Rimpa, Eleni Vlachos, Hayley Woebse | Healthcare in Cuba: An Immersive Experience |
| 96 | Engagement | Criminal Justice | Kyle Carter | Alcohol Outlet Density and Crime in Erie |
| 97 | Engagement | Wellness | Lauren Carson, Damali Donovan | Evaluation of Strong After School Wellness Program |
| 98 | Engagement | Exercise Science | Mackenzie Mraz, Kristen Gordon | Division 2 Women's Strength and Conditioning |

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|------------|------------|------------------------------|------------------------------------|---|
| 99 | Engagement | Wellness | Mckenna Haskins, Kelly Loughran | Gannon University Adventure Club (G.U.A.C.) |
| 100 | Engagement | Computer Information Science | Mohammed Althuwiny, Hitham Hatatah | Soil Monitoring System |
| 101 | Engagement | Wellness | Rachael Winiesky, Briana Hill | Community Impact: Summer Fit |
| 102 | Engagement | Wellness | Sarah Phippin | Influencing Nutrition Culture on Campus |
| 103 | | | | |
| 104 | | | | |
| 105 | | | | |

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|------------|-----------|--------------------------------|---|------------------------|
| N/A | Fine Arts | School of Communication & Arts | Abigail Ritchie, Lauren Sovisky, Brian Bowersox, Justin Karns, Paige Groff, Aubree Lanman, Eliana Pietras, Tara Czarnecki, Matt Fassnacht, Nicole Johnson | Learning from the Past |
|------------|-----------|--------------------------------|---|------------------------|

Platform Presentations

| Discipline | Time | Presenter(s) | Title |
|--------------------------------------|------|--|--------------------------------------|
| <i>Engagement - Beyer 405</i> | | | |
| CSC | 2:00 | Melissa Bronder, Rachel Nye, Adriana Molnar, Cory Pius, JT Koch | Haiti ABST |
| CSC | 2:15 | Justin Johnson, Yoss Eisenbaum, Bailey Ross, Madi Wall, Sarah Vicary | Guatemala ABST: Service with Dignity |
| CSC | 2:30 | Maddy Kosinski, Sarah Fiorello, Hitham Hatatah, Briault Atemazem, Alexis Huff, Grace Rihs, Kendra Walker, Aaron Brown, Melia Gasbarre | Navajo Nation |
| CSC | 2:45 | Hailey Wehrner, Kishan Patel, Ariel Farren, Jonathan Miller, Clara Almater, Grace Nasso | San Lucas: Live to Love |
| CSC | 3:00 | Michael Rizzo, Angelika Chiang, Lauren Greenlee, Sydeny Swoger, Avery Hill, Claire Plunkett, Lily Zheng | L'Arche Time |
| CSC | 3:15 | Ariana Aliasso, Julia Danko, Emily DeStefano, Kathryn Getson, Ryan Hamilton, Gabriella Makowiecki, Delaney McMeekin, Annmarie Rosa, Ryan Young | L'Arche Mexico ABST |

| <i>Engagement & Fine Arts - Beyer 406</i> | | | |
|--|------|---|--|
| Engagement / Environmental Science & Engineering | 2:00 | Lydia Andraso, Ashley McClung, Clara Almeter | My Life as a Plastic Bottle: An Animation on Plastic Pollution |
| Engagement / Computer & Information Systems | 2:15 | Tony Calarie, Jeff Edmondson, Emily Sauer, Brad Rutkowski | Risk Profile Analysis Application for Erie Insurance |
| Fine Arts / Computer & Information Systems | 2:30 | Logan Wasielewski, Kyler Bratt, Brett Lesczynski, Hunter Kelly, Andrew Burris, Adelai Flowers | Design Process and Implementation of a Video Game |
| Fine Arts / English | 2:45 | Julia Fulton | The Creative History and Process of Totem |

Research/Scholarship - Graduate & Undergraduate - Beyer 407

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|---|------|---|--|
| Graduate / Computer & Information Systems | 2:00 | Al Jassas, Hamad Mousa A | Performance Evaluation of Proof-of-Work and Collatz Conjecture Consensus Algorithms |
| Graduate / Environmental Science & Engineering | 2:15 | Matthew Loughner | Particulate Matter Emitted During the Process of 3D Printing |
| UG / Public Service & Global Affairs | 2:30 | Claudia Herrero | Feminist Protests |
| UG / Finance | 2:45 | James Kennedy, Tom Martin, Alex Hutchings, Cody Anderson | CFA Institute Research Challenge: PolyOne Corporation |
| UG / Psychology | 3:00 | Eleni Vlachos, Grant Maier, Jackson Walker | Delinquency: Past, Present, Future |

Research/Scholarship - Undergraduate - Beyer 408

| | | | |
|-------------|------|--|--|
| Engineering | 2:00 | Rachel Grubbs, Matthew Yough, Olivia Rose, Anthony Lee, Teresa Sicree | Thermal Regulating Prosthetic Sleeve |
| Engineering | 2:15 | Madeline Carnell, Rawan Alrashed, Garrett Sutton, Corey Griffith | Designing a Stable Crutch System for Individuals with Paraplegia |
| Engineering | 2:30 | Logan Clarke, nMargaret Rutkowski, AJ Satcher | Startup Transshipment and Inventory Optimization |
| Engineering | 2:45 | Jacob Galla, Grace McGrath, Alturkestani Bashayr, Casey Vollmer | Stabilized Crutches Design |
| Engineering | 3:00 | Erin Petrosky, Aaron Mandrake, Deanna Chapa | Optimizing an Electrospiner |
| Engineering | 3:15 | Benjamin Reed, William Colbert, Travis Schmeling | Stability Based Assistive Walking Device |

Research/Scholarship - Undergraduate - Beyer 409

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|---|------|---|---|
| Engineering | 2:00 | Drew Bower, Michael Bielski, Evan Mangan, Kasra Ghahremani | Achieving Climate Control with Renewable Energy |
| Environmental Science & Engineering | 2:15 | Matt Colbert, Justin Drehs, Jason Geiger | Biochar Alumina composite materials for enhanced nutrient removal |
| Environmental Science | 2:30 | Kherrin Morgan, Leslie Postek, Stephanie Majewski | Growing Produce Aerophonically: An Oasis in the Food Desert |
| Computer & Information Systems | 2:45 | Blaine Adams, Nate Pellegrino | TrackMe Puck |
| Biology | 3:00 | Toni Leitshuh, Skyler Sevacko | A Census of the Bat Population on Gannon University's Campus |