TEMPLE UNIVERSITY
Undergraduate Research and Creativity

April 14-15, 2021
Virtual Event on Canvas

Join the Temple community in celebrating excellence in undergraduate scholarship.
ACKNOWLEDGEMENTS

SYMPOSIUM COORDINATORS

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Symposium for Undergraduate Research and Creativity 2021

Presentations are organized by the following disciplinary pages on Canvas:

- Creative and Performing Arts
- Engineering, Mathematics, Computer and Physical Sciences
- Global Studies
- Humanities
- Life Sciences
- Psychology
- Social Sciences
- Speech, Communication, and Media

Student presenters are listed alphabetically by last name in the following format:

Name, Major, “Title of Presentation,” Supporting Faculty, Supporting Program (if applicable), Canvas page

List of Student Presenters


Bradley Allen (with Athin Ishaq, Gianna Vitelli), Neuroscience: Cellular and Molecular major, “Molecular Mechanisms of Axon Initial Segment Plasticity,” Supporting Faculty: Anna Moore, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Kristian Angelucci, Economics major, “The Future of Nuclear Reactor Technology: An Economic Analysis,” Supporting Faculty: John Sorrentino, Social Sciences Canvas page

Shane Arnold, History major, “A Tale of Two Kings: An Investigation of Themes of Empire, Nationalism, and Imperialism in Film Adaptations of Henry V,” Supporting Faculty: Eileen Ryan, Humanities Canvas page

Alisha Arora, Neuroscience: Cellular and Molecular major, “An Investigation of the Underlying Neural Mechanisms of Social Anxiety and Intolerance of Uncertainty,” Supporting Faculty: Johanna Jarch, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Abigail Baker, Secondary Education - English Education major, “Warring Ideologies and ‘Double Consciousness’ in Ralph Ellison’s Invisible Man and John Okada’s No-No Boy,” Supporting Faculty: Sue-Im Lee, Humanities Canvas page

Jessica Barber, Global Studies major, “Preserving Amazigh Heritage and Language in the Face of Arabization,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Gillian Yvonne Black, Communication Studies major, “A Tale as Old as Time: Gender Violence in Disney’s 1991 ‘Beauty and the Beast’,” Supporting Faculty: Tilottama Karlekar, Speech, Communication, and Media Canvas page

Scott Blender, Mathematical Economics major, “Using Human-Centered Mobility to Investigate Local Economic Recovery,” Supporting Faculty: Douglas Webber, Supporting Program: CARAS Project Grant, Social Sciences Canvas page

Alefiyah Bookbinder, Bioengineering major, “Influence of Extracellular Matrix on Cell Shape,” Supporting Faculty: Karin Wang, Supporting Program: Diamond Research Scholars, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Alexandra Brown, Global Studies major, “The Ainu People of Japan: A Loss of Culture,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Winalis Bruce, Theater major, “'Eurydice' Directing Approach - The Orpheus and Eurydice Myth in Modern Contexts,” Supporting Faculty: Marcus Giamatti, Creative and Performing Arts Canvas page


Gina Veronique Calise (with Daniel McGuigan), Psychology major, “COVID-19 Vaccine Perceptions and Decisions,” Supporting Faculty: Thomas Shipley, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Psychology Canvas page

Bill Chheu (with Ramey Elayan, John Murray, Keyur Patel, Trush Patel, Laith Qubain, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Olivia Chiaravalli, Communication Studies major, “Gender and Sexuality within the Snowboard Industry,” Supporting Faculty: Carolyn Kitch, Speech, Communication, and Media Canvas page

Annica Chiu, Information Science and Technology major, “Computer Science Programs Ranking Based on Faculty Citations,” Supporting Faculty: Slobodan Vucetic, Supporting Program: CST Undergraduate Research, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Sarah Coleman, Bioengineering major, “The Impact of Macrophage Introduction into Vascularized Adipose Tissue,” Supporting Faculty: Evangelia Bellas, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Camila Correia, Global Studies major, “The Threat of Cultural Loss in Indigenous Communities in Brazil,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Jacob Cox, Biology major, “N-Ethylmaleimide Sensitive Factor (NSF) - A Novel Regulator of Membrane Rupture in Necrotic Cell Death,” Supporting Faculty: John Elrod, Life Sciences Canvas page

Julia Davis (with Sara Vahdatshoar), Biology major, “Missing Data May Cause Spuriously High Bootstrap Confidence for Some Relationships in Phylogenomics,” Supporting Faculty: Sudhir Kumar, Supporting Program: CST Undergraduate Research, Life Sciences Canvas page

Daniel Francis Deegan (with Priya Nigam), Biotechnology major, “Sex-Biased Tissue-Specific Overlaps between Enhancers and Differentially Methylated Regions,” Supporting Faculty: Nora Engel, Life Sciences Canvas page


Priya Doshi, Psychology major, “Creating a Rat Pain Scale Using High-Speed Imaging, Dimensionality Reduction, and Machine Learning to Better Understand the Neurobiology of Pain,” Supporting Faculty: Mathieu Wimmer, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Psychology Canvas page

Ramey Elayan (with Bill Chheu, John Murray, Keyur Patel, Trush Patel, Laith Qubain, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page


Nikki Grace Fackler, Psychology major, “Vocal Biomarkers of Cursing & Moderation by Individual Differences,” Supporting Faculty: Jamie Reilly, Supporting Program: Diamond Research Scholars, Psychology Canvas page

Jonathan Falciani, Biology, Mathematics major, “Balanced Fishing Preserves Living Carbon: Why Size Matters,” Supporting Faculty: Rob Jennings, Life Sciences Canvas page

Emily Farrell, Media Studies and Production major, “The Netflix Top 10: A Look at Content Diversity and Representation,” Supporting Faculty: Dana Saewitz, Speech, Communication, and Media Canvas page

Andrea Fleegle, German major, “How White Male Supremacy Informs Identity, Gender and Desire in Ralph Ellison’s Invisible Man and John Okada's No-No Boy,” Supporting Faculty: Sue-Im Lee, Humanities Canvas page


Emily Foster, History major, “Fact through Fiction: Shifting Japanese A-Bomb Perceptions, Memory, and Commemoration,” Supporting Faculty: Eileen Ryan, Humanities Canvas page

Tyli Fowler, Political Science major, “The Social Benefits of the Continuous Emissions Monitoring System,” Supporting Faculty: John Sorrentino, Social Sciences Canvas page

Brian Michael Gallagher, Mathematical Economics major, “How to Save the Elephants,” Supporting Faculty: John Sorrentino, Social Sciences Canvas page

Joseph Peter Gallagher, History major, “‘As Time Goes By’: The Ever-Changing Interpretations of World War II On Film,” Supporting Faculty: Eileen Ryan, Humanities Canvas page


Sydney Glickman, Global Studies major, “The Tibetan Humanitarian Crisis,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Guercie Guerrier, Biology major, “Characterization of a Monoclonal Antibody that Recognizes Phospho-Ser-Pro Sites and Its Use to Study PP2A/B55α Holoenzyme Substrate Specificity,” Supporting Faculty: Xavier Graña-Amat, Supporting Program: MARC-U-Star, Life Sciences Canvas page


Vivian Summer Hadian, Political Science major, “Failed Democratization in Iran,” Supporting Faculty: Scott Ritner, Social Sciences Canvas page

Evan Haley, Chemistry major, “Altered Frontoparietal Beta Coherence Dynamics in Visual Discrimination as an Early Biomarker to Predict Alzheimer,” Supporting Faculty: Vinay Parikh, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Jon Ham (with Fatima Umar), Psychology major, “What Motivates People to Ask Why?: Differentiating between Curious Personalities and Motivational Salience of Phenomena,” Supporting Faculty: Thomas Shipley, Psychology Canvas page

Gracie Heim, Communication Studies major, “Portrayals of Immigrants in U.S News Media,” Supporting Faculty: Dana Saewitz, Speech, Communication, and Media Canvas page
Sydney Hewitt, Neuroscience major, “Paternal Morphine Exposure Does Not Alter the Self-Administration of Heroin or Cocaine in Adolescent Male and Female Offspring,” Supporting Faculty: Mathieu Wimmer, Life Sciences Canvas page

Samuel Harrison Hilfiker, History major, “The Case of the True King of Kings: An Investigation of the Persian Succession Crisis of 522 BCE and The Lies We Were Told,” Supporting Faculty: Eileen Ryan, Humanities Canvas page

Elizabeth Grace Hilgen, Undeclared - Liberal Arts major, “The Haenyeo Divers of South Korea,” Supporting Faculty: Lauren Farmer, Global Studies Canvas page

Norissa Howell, Neuroscience major, “Student-Faculty Relationships in Online Education during the COVID-19 Pandemic,” Supporting Faculty: Thomas Shipley, Psychology Canvas page

Athin Ishaq (with Bradley Allen, Gianna Vitelli), Biology major, “Molecular Mechanisms of Axon Initial Segment Plasticity,” Supporting Faculty: Anna Moore, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Alessandro Jean-Louis, Neuroscience major, “Early Life Stress Increases Impulsive Action in Male but Not Female Rats,” Supporting Faculty: Debra Bangasser, Life Sciences Canvas page

Michelle Rose Joyce, Bioengineering major, “Gait Control for Obstacle Negotiation in Canines,” Supporting Faculty: Andrew Spence, Supporting Program: Diamond Research Scholars, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Jay'ana King, Psychology major, “Cross-Ethnic Liking & Disliking Among Adolescents,” Supporting Faculty: Hongling Xie, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Psychology Canvas page

Isis Kirkland, Advertising major, “How Powerful Black Women Are Portrayed in American Television,” Supporting Faculty: Dana Saewitz, Speech, Communication, and Media Canvas page

Cindy Lam, Neuroscience major, “Impact of the Estrous Cycle on Opioid and Sucrose Craving in Female Rats,” Supporting Faculty: Mathieu Wimmer, Life Sciences Canvas page

Lena-Marie Martha Lannutti, History major, “’Thou Hast Seen Us through and through’: The Association for the Care of Colored Orphans and Race in Antebellum Philadelphia,” Supporting Faculty: Eileen Ryan, Humanities Canvas page

Genesee Cailyn Launderbaugh, Psychology major, “Discrimination as a Moderator of Trauma and Mental Health,” Supporting Faculty: Lauren Ellman, Psychology Canvas page

Alexus Lauver, Political Science major, “Exploring the Successes and Failures of the Governing Policies on Orphan Populations in Colombia and Ecuador,” Supporting Faculty: Hillel David Soifer, Supporting Program: CARAS Project Grant, Social Sciences Canvas page

Ruby Christine Lee, English major, “To Go or Not to Go to School: Mixed Implications of Education in the Context of an Early Jewish American Woman’s Experience,” Supporting Faculty: Sue-Im Lee, Humanities Canvas page

Maya Levy, Religion major, “Disjointed Narratives, Displaced Longings: An Examination of Iraqi Jewish Nostalgia,” Supporting Faculty: Laura Levitt, Humanities Canvas page

Maya Levy, Religion major, “An All-American Faith: Religion in the 1950s,” Supporting Faculty: Ralph Young, Humanities Canvas page

Ta-Zhane Levy, Global Studies major, “The Loss of Uighur Culture in China,” Supporting Faculty: Danielle Scherer, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Global Studies Canvas page

Thomas Licato, Music Therapy major, “What Makes Music Tic?” Supporting Faculty: Helen Shoemark, Supporting Program: CARAS Project Grant, Creative and Performing Arts Canvas page

Brandon Lutz, Mechanical Engineering major, “RASCAL: Robotic Arm for Sherds and Ceramics Automated Locomotion,” Supporting Faculty: Philip Dames, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Emily Mahon, Psychology major, “Exploring the Semantic Space: A Categorical Approach to Expanding a Preschooler,” Supporting Faculty: Kathryn Hirsh-Pasek, Psychology Canvas page


Alexandra Margolin, Environmental Science major, “Differences in Habitat and Species Distributions of Seep-Associated Fauna Based on Underlying Geology at Active and Passive Margins,” Supporting Faculty: Erik Cordes, Supporting Program: Diamond Research Scholars, Engineering, Mathematics, Computer and Physical Sciences Canvas page


Daniel McGuigan (with Gina Calise), Neuroscience major, “COVID-19 Vaccine Perceptions and Decisions,” Supporting Faculty: Thomas Shipley, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Psychology Canvas page


Italia Messina, Global Studies major, “CEDAW and the UN: Addressing Governmental Efforts to Eradicate Discrimination and Violence against Women,” Supporting Faculty: Karl Orfeo Fioretos, Global Studies Canvas page

Rebecca Adele Mickus, English major, “Afrofuturism in Gaming: A Sinister Side to the Culture and Industry of Black Gamers,” Supporting Faculty: Dorothy Stringer, Humanities Canvas page

Georgia Moon, Psychology major, “Racism in European Soccer,” Supporting Faculty: Rebecca Alpert, Psychology Canvas page

Henry Morales, Painting major, “Aquí Chambeando,” Supporting Faculty: Odili Donald Odita, Supporting Program: CARAS Project Grant, Creative and Performing Arts Canvas page


Emily Murphy, Community Development major, “Bilingual Educational Programs and the Impact on Surrounding Communities,” Supporting Faculty: Patricia Moore-Martinez, Social Sciences Canvas page, *This presentation will be in Spanish

Kaileigh Murphy, Environmental Science major, “Cost Benefit Analysis: Global Sustainable Aquaculture Expansion Versus the ‘Business as Usual’ Scenario,” Supporting Faculty: John Sorrentino, Social Sciences Canvas page

John Aloysius Murray (with Bill Chheu, Ramey Elayan, Keyur Patel, Trush Patel, Laith Qubain, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page


Charlotte Bethea Nesbitt, Bioengineering major, “Effects of Microenvironment Stiffness on Macrophage Polarization in Adipose Tissue,” Supporting Faculty: Evangelia Bellas, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Priya Nigam (with Daniel Deegan), Neuroscience: Cellular and Molecular major, “Sex-Biased Tissue-Specific Overlaps between Enhancers and Differentially Methylated Regions,” Supporting Faculty: Nora Engel, Life Sciences Canvas page

Thomas O’Malley, English major, ”Solange and Afrofuturism,” Supporting Faculty: Dorothy Stringer, Humanities Canvas page

Callum Orme, English major, ”Fallacies of Universalism in Invisible Man and No-No Boy,” Supporting Faculty: Sue-Im Lee, Humanities Canvas page

Modupe Osuntokun, Psychology major, “Portrayals of Post-traumatic Stress Disorder in Television,” Supporting Faculty: Dana Saewitz, Speech, Communication, and Media Canvas page

Keyur Patel (with Bill Chheu, Ramey Elayan, John Murray, Trush Patel, Laith Qubain, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Trush Pramod Patel (with Bill Chheu, Ramey Elayan, John Murray, Keyur Patel, Laith Qubain, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Jediael Peterson, Global Studies major, ”War Is War: Ethnicity and Nation Building in Nigeria,” Supporting Faculty: Benjamin Talton, Supporting Program: Diamond Research Scholars, Global Studies Canvas page

Ricardo Petrilli Fortuna, Neuroscience major, “Defining a Specific Behavioral Signature of Opioid Craving,” Supporting Faculty: Mathieu Wimmer, Life Sciences Canvas page

Kaylen Phillips, Geography/Urban Studies major, “Perceptions of Public Transportation Accessibility,” Supporting Faculty: Katey Burke, Supporting Program: CARAS Project Grant, Social Sciences Canvas page

Christopher Polidore, Horticulture major, ”Analysis of Microplastics in Glass Cullet: Overcoming a Potential Hurdle for More Sustainable Soil Mixes,” Supporting Faculty: Sasha Eisenman, Supporting Program: CARAS Project Grant, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Laith Qubain (with Bill Chheu, Ramey Elayan, John Murray, Keyur Patel, Trush Patel, Ben Trono), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Nour Qutyan, Global Studies major, ”From the River to the Sea: How Palestinians Have Experienced Cultural Loss and the Ways It Has Shaped Their Identity,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Areebah Rahman, Neuroscience: Cellular and Molecular major, “Examining the Link between Metabolic Syndrome and Colorectal Cancer for Adults under the Age of 50: Smoking as a Potential Mediator,” Supporting Faculty: Grace Xueqin Ma, Life Sciences Canvas page
Chethan Reddy, Neuroscience major, “Chemokine Receptor Antagonist RAP-103 Diminishes Heroin Reinforcing Efficacy in Male Sprague Dawley Rats,” Supporting Faculty: Mathieu Wimmer, Life Sciences Canvas page


Ibrahim Sabir, Public Health major, “The Lonely Road We Walk Together: Exploring the Mental Health Diagnosis Differences in US Adults,” Supporting Faculty: Krys Johnson, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Quinn McCabe Sajeski, Communication Studies major, “Portrayals of Anxiety on Television,” Supporting Faculty: Dana Saewitz, Speech, Communication, and Media Canvas page

Robin Salen, Classics major, “War Trauma and Reintegration of Ancient and Modern Soldiers,” Supporting Faculty: Mike McGlin, Humanities Canvas page

Lilly Schickedanz, Global Studies major, “Understanding the Loss of Village Sign Language in Ban Khor, Thailand,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page


Shreya Shah, Biochemistry major, “Implications of Germline Variation in DNA Repair for Oncology,” Supporting Faculty: Elizabeth Cerkez, Supporting Program: CST Science Scholars, Life Sciences Canvas page

Andrea Shaw, Biochemistry major, “Global Comparative Analysis of Circumsporozoite Protein within Human and Other Primate Species,” Supporting Faculty: Ananias Escalante, Life Sciences Canvas page

Gaurav Shinde, Computer Science major, “Delineating Affective States during Drug Craving in Male and Female Rats through Ultrasonic Vocalizations,” Supporting Faculty: Mathieu Wimmer, Life Sciences Canvas page

Julianna Sims, Mathematics major, “An Examination of Benford’s Law: Generating Measures and Predictors,” Supporting Faculty: Jeromy Sivek, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Sophia Sithya, Biology major, “Impact of Physical Activity on Processing Speed and Working Memory: A Longitudinal Analysis Using the ABCD Dataset,” Supporting Faculty: Jason Chein, Psychology Canvas page
Rachel Small, Mathematical Economics major, “To What Extent Do City Location Factors Affect NBA Team Valuation?” Supporting Faculty: Michael Leeds, Social Sciences Canvas page

Gabrielle Smith, History major, “Guest Workers in a Divided Germany: Examining the Experiences of Foreign Workers through German Reactions,” Supporting Faculty: Eileen Ryan, Humanities Canvas page


Talia Speak, Theater major, “Theatrical Representation and Social Change: Paul Robeson’s Activism through Performance in Show Boat,” Supporting Faculty: Lindsay Goss, Creative and Performing Arts Canvas page

Kylie Spinello, Anthropology major, “Study of Trade Routes through Pottery,” Supporting Faculty: Patricia Hansell, Social Sciences Canvas page

Allyson Starr, Performance major, “Slow Burns and Performance Practice: A Not-So Rapid Analysis of Jennifer Higdon's rapid fire,” Supporting Faculty: Cynthia Folio, Creative and Performing Arts Canvas page

Manish Suryapalam, Data Science major, “Use of Hybrid Motor Unit Spike Trains to Quantify Errors in the Estimation of Human Motoneuron Excitability,” Supporting Faculty: Christopher Thompson, Supporting Program: CST Undergraduate Research, Life Sciences Canvas page


Daniel Taratut, Biology major, “Ecological Changes Brought on by Fungal Invasion and Pathogenesis,” Supporting Faculty: Brent Sewall, Supporting Program: Diamond Research Scholars, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Ben Trono (with Bill Chheu, Ramey Elayan, John Murray, Keyur Patel, Trush Patel, Laith Qubain), Computer Science major, “Chalkboard,” Supporting Faculty: Charles Wang, Engineering, Mathematics, Computer and Physical Sciences Canvas page


Kim-Leigh Tursi, Global Studies major, “The Real and Imagined Loss of Iranian Pop Music,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Paula Daniela Ueki, Psychology major, “Inhibitory Control and Academic Achievement: Math or Literacy?” Supporting Faculty: Isabelle Chang, Psychology Canvas page
Fatima Umar (with Jon Ham), Neuroscience major, “What Motivates People to Ask Why?: Differentiating between Curious Personalities and Motivational Dalience of Phenomena,” Supporting Faculty: Thomas Shipley, Psychology Canvas page

Sara Vahdatshoar (with Julia Davis), Genomic Medicine major, “Missing Data May Cause Spuriously High Bootstrap Confidence for Some Relationships in Phylogenomics,” Supporting Faculty: Sudhir Kumar, Life Sciences Canvas page

Vriddhi Vinay, Global Studies major, “British Colonization's Impact of South Asian LGBT Heritage,” Supporting Faculty: Lauren Farmer, Global Studies Canvas page

Gianna Danielle Vitelli (with Bradley Allen, Athin Ishaq), Neuroscience: Cellular and Molecular major, “Molecular Mechanisms of Axon Initial Segment Plasticity,” Supporting Faculty: Anna Moore, Supporting Program: CARAS Project Grant, Life Sciences Canvas page

Josh Voytek, Mechanical Engineering major, “Development of Interactive Online Database of Aqueous Foams for EGS Applications,” Supporting Faculty: Fei Ren, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Deanna Waggoner, Political Science major, “The Effect of Language Concordance on Mental Health Outcomes among Rural and Urban Latino Patients of Pennsylvania,” Supporting Faculty: Patricia Moore-Martinez, Social Sciences Canvas page

Samantha Walton, Psychology major, “Relationships between Sustained Attention, Literacy, and Instructional Support: Can Classroom Quality Overcome Attentional Constraints?” Supporting Faculty: Kathryn Hirsh-Pasek, Psychology Canvas page

Siena Wanders, Biochemistry major, “Computational and Experimental Analysis of Gold Nanoparticle Interactions with Wild Type Ferritins,” Supporting Faculty: Elizabeth Cerkez, Supporting Program: CST Science Scholars, Life Sciences Canvas page

Matthew Welter, History major, “Experiences in Biological Warfare: The Impacts of COVID-19 on Military Readiness in 2020,” Supporting Faculty: R. Scott Hanson, Humanities Canvas page

Kurt Wiest, Engineering major, “GPU Computing for Physics Simulations,” Supporting Faculty: Jeff Martoff, Engineering, Mathematics, Computer and Physical Sciences Canvas page

Josie Williams, Biology major, “This Land is My Land: The Struggle between the Ogoni People and Oil Exploitation,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Maya Williams, Sociology major, “Crime, Race, and Mental Health in the United States,” Supporting Faculty: Shanyang Zhao, Social Sciences Canvas page

Catherine Wolfe, Liberal Studies major, “Invoking Color: Making Difference within White People,” Supporting Faculty: Matthew Wray, Social Sciences Canvas page

Emily Yam, Psychology major, “The Effects of Cybervictimization vs. Face-to-Face Victimization on Adolescent Internalizing Problems,” Supporting Faculty: Hongling Xie, Supporting Program: CLA Liberal Arts Undergraduate Research Award, Psychology Canvas page
Helen Zeidman, English major, “Immigration and Identity: Analyzing Intersectionality in Cristina Garcia's Monkey Hunting,” Supporting Faculty: Sue-Im Lee, Humanities Canvas page

G Zimmerman, Global Studies major, “Loss of Uighur Culture in the People’s Republic of China,” Supporting Faculty: Danielle Scherer, Global Studies Canvas page

Lillian Zimmerman, Biology major, “Social Media Analysis of Lycorma Delicatula in the United States,” Supporting Faculty: Matthew Helmus, Supporting Program: CST Undergraduate Research, Life Sciences Canvas page