

Clark University

## Clark Digital Commons

---

Undergraduate Student Academic Festivals

ClarkFEST Fall 2022

---

Oct 1st, 12:00 AM

### ClarkFEST Fall 2022 Program Book

Kerri Stearns

*Clark University*, [kstearns@clarku.edu](mailto:kstearns@clarku.edu)

Follow this and additional works at: <https://commons.clarku.edu/asdff>

---

(2022). ClarkFEST Fall 2022 Program Book. Retrieved from <https://commons.clarku.edu/asdff/clarkfestfall2022/Posters/4>

This Open Access Event is brought to you for free and open access by the Student Works at Clark Digital Commons. It has been accepted for inclusion in Undergraduate Student Academic Festivals by an authorized administrator of Clark Digital Commons. For more information, please contact [larobinson@clarku.edu](mailto:larobinson@clarku.edu), [cstebbins@clarku.edu](mailto:cstebbins@clarku.edu).



Fall 2022

**Clark**  
**FEST**

**OCTOBER 21**





---

# WELCOME!

Dear Clarkies and Guests,

Welcome to the fall version of ClarkFEST, formerly known as FallFEST! Here we display and celebrate the superb research, creative, and experiential projects completed by our students over the past six months. We also recognize wonderful faculty and staff mentorship, as well as the generous financial support of University fellowships and donors (listed separately). Thank you, too, to the staff who make this event possible.

Please enjoy viewing posters, attending panels, asking questions, and learning from each other, as we continue the Clark tradition of challenging conventions and changing our world.

Mary-Ellen Boyle  
Interim Dean of the College





## ClarkFEST Fall 2022 General Information

The ClarkFEST Fall 2022 program is a listing of research, academic and creative works produced by Clark University's undergraduate students, under the guidance of their faculty and staff mentors, which is featured at this year's event. A variety of formats have been utilized by the presenters, including posters, oral presentations, panel discussions, art exhibits, and interactive media exhibits.

ClarkFEST Fall 2022 is an in-person event, with presentations held in Academic Commons, Prouty and Fuller Conference Rooms in Goddard Library as well as Grace and Lurie Conference Rooms in Higgins University Center. Oral Presentations and Panel Discussions are scheduled; however, Posters, Interactive Media Exhibits and Art Displays are drop-in. These presenters have indicated when they anticipate being in attendance so that you may engage in Q&A.

**In-person exhibits are open to all Clark community members and guests in accordance with Clark University's COVID guidelines.**

Some presenters have also opted to share their materials on-line as well and are available via Zoom Events. Virtual access and will be indicated in the brochure with an "Also, Virtual" tag. To access, click on the Zoom link or enter the Zoom event address in your web browser. NOTE: if you are a Clark guest, you will need to pre-register for Zoom Event access. You may do so by emailing [clarkfest@clarku.edu](mailto:clarkfest@clarku.edu).



# ClarkFEST Fall 2022 Program

## ORAL PRESENTATIONS AND PANELS

### PROUTY & FULLER CONFERENCE ROOMS

#### 4TH FLOOR-GODDARD LIBRARY

#### GRACE & LURIE CONFERENCE ROOMS – HIGGINS UNIVERSITY CENTER

Prouty Conference Room (Goddard Library, 4 <sup>th</sup> Floor)	
Education Department (Community, Youth, and Education Studies )	
12:00 – 1:00pm <b>Also, Virtual</b>	<i>Universal Design for the College Classroom. Zoe Armstrong '23.</i> (Sponsor: Professor Cara Berg Powers) <a href="#">ZOOM Link</a>
Physics Department	
1:30 – 2:00pm	<i>Bosons in the Kagome Lattice. Liam Cusick '23. Albert C. Erickson '30 Summer Research Award.</i> (Sponsor: Professor Barbara Capogrosso Sansone)
Fuller Conference Room (Goddard Library, 4 <sup>th</sup> Floor)	
Education Department	
12:00 – 1:00 pm <b>Also, Virtual</b>	<i>Exploring Research with through the Hiatt Research Fellowship. Ellanora Lerner '24, Amira Aderibigbe '24, Libby Fontana '24, and Nadia Tavares '25. Hiatt Research Fellowship</i> (Sponsor: Professor Nastasia Lawton-Sticklor) <a href="#">ZOOM Link</a>
International Development and Social Change Department	
1:30 – 2:00pm <b>Also, Virtual</b>	<i>Environmental History of Kibbutz Ramat Yohanan: Collective Development and Privatization. Jasmin Rotem Planas '22. LEEP Fellowship</i> (Sponsor: Professor Denise Humphreys) <a href="#">ZOOM Link</a>
Computer Science Department	
2:30 – 3:30pm <b>Also, Virtual</b>	<i>CODY. Debrin Adon Suero '25, Rayyan Abid '22, and Evelyn Diaz Araque '22</i> (Sponsors: Professors Li Han and Katerine Bielaczyc) <a href="#">ZOOM Link</a>
Grace Conference Room (Higgins University Center)	
Game Design & Development (Interactive Media)-Becker School of Design & Technology	
1:30 – 2:00pm	<i>The VR Story of the Boehms. Nathaniel Manfra '24, Arielle Johnson '25, Duncan Armstrong '24, and Kieran Wild '24</i> Sponsor: Professor Terrasa Ulm )
Lurie Conference Room (Higgins University Center)	
Game Design & Development (Interactive Media)-Becker School of Design & Technology	
1:30 – 2:00pm	<i>A Game Studio Project in Partnership with Whitesnake Productions. Joseph Ressler '24, Robert Ruiz '25, Graham Codd '23, and Angelina Kastrytzkaya '25.</i> ( Sponsors: Professors Ilir Mborja & Michael Swartz)

# ClarkFEST Fall 2022 Program

## POSTER SESSIONS

### ACADEMIC COMMONS – GODDARD LIBRARY

Art History	
1.	<i>Worcester Public Art for ESL Students.</i> <b>Nora Rueffer '24. Steinbrecher Fellowship.</b> (Sponsor: Professor Kristina Wilson) In attendance 3:30pm-4:30pm
Biochemistry and Molecular Biology	
2.	<i>Development of a FRET-Based Assay to Study HECT E3 Ligase Interactions.</i> <b>Amanda Brown '23. James &amp; Ada Bickman Summer Research Fellowship.</b> (Sponsor: Professor Donald Spratt) In attendance 12:00pm-2:00pm
3.	<i>Study of bacteria over a gradient of urbanization through Worcester's watershed.</i> <b>Manning DelCogliano '23.</b> (Sponsor: Professor Nathan Ahlgren) In attendance 12:00pm-1:30pm
4.	<i>The Effects of tRNA Methylation on Protein Synthesis in Dictyostelium discoideum.</i> <b>Chau Duong '22. Summer Undergraduate Research Experience.</b> (Sponsor: Professor Denis Larochelle) In attendance 12:00pm-4:00pm
5.	<i>Function of Wnt/Beta-catenin signaling during neural development in the annelid Capitella teleta.</i> <b>Krishna Gajjar '25. Plave Family Research Fellowship.</b> (Sponsor: Professor Néva Meyer) In attendance 12:00pm-4:30pm
6.	<i>Exploring the UBE3B and Calmodulin Interaction.</i> <b>Megan Hill '23. Edwin A. Weiller Summer Fellowship.</b> (Sponsor: Professor Donald Spratt) In attendance 12:00pm-2:00pm
7.	<i>Small Molecule Inhibitors of Gankyrin.</i> <b>Taylor Laflamme '23</b> with Emma Kane, Graduate Student. <b>Maurine H. Milburn Research Fellowship.</b> (Sponsor: Professor Donald Spratt) In attendance 12:00pm-2:00pm
8.	<i>Optimization of Purification of HERC5: An Important Antiviral Protein.</i> <b>Elizabeth Liakos '23. Maurine H. Milburn Research Fellowship.</b> (Sponsor: Professor Donald Spratt) In attendance 12:00pm-2:00pm
9.	<i>Rac1 Missense Mutations Identified in HSP Reveal Novel E3 Ligase-Substrate Interaction.</i> <b>Luke Mazur '23</b> with Emma Kane, Graduate Student. <b>James and Ada Bickman Research Fellowship.</b> (Sponsor: Professor Donald Spratt) In attendance 12:00pm-2:00pm

## ClarkFEST Fall 2022 Program

### POSTER SESSIONS CONT... ACADEMIC COMMONS – GODDARD LIBRARY

10.	<i>Production of Recombinant ApoE for Biochemical and Biophysical Studies.</i> <b>Gabriel Richman '23 &amp; Nathaniel Collins '23</b> , with Merc Kemeh, Graduate Student. <b>Lise Anne and Leo E. Beavers II Fellowship.</b> (Sponsor: Professor Noel Lazo) In attendance 12:00pm-2:00pm
11.	<i>Role of Nodal signaling in left-right axis formation in the annelid Capitella teleta.</i> <b>Tatiana Schmid '23. Harrison Mackler, Jason Pietrucha and Friends Summer Research Award.</b> (Sponsor: Professor Néva Meyer) In attendance 12:00pm-1:30pm
12.	<i>Testing for Small Compound Aggregation with the use of Dynamic Light Scattering (DLS).</i> <b>Joseph Tramontozzi '24.</b> (Sponsor: Professor Noel Lazo) In attendance 2:00pm-4:00pm
<b>Biology</b>	
13.	<i>The role MAPK signaling on neural and mesodermal development in Annelid Capitella teleta.</i> <b>Tessa Allan '23. Beavers Fellowship.</b> (Sponsor: Professor Néva Meyer) In attendance 12:00pm-1:30pm
14.	<i>Inducing Sporulation in Fungal Species.</i> <b>Jasper Carleton '24.</b> (Sponsor: Professor Javier Tabima Restrepo) In attendance 12:00pm-1:00pm
15.	<i>D. melanogaster Transcription Factor interactions in the Zone 2 enhancer region for the Twin of Eyeless gene.</i> <b>Lindsay Carlson '24. Summer Undergraduate Research Experience.</b> (Sponsor: Professor Jacqueline Dresch) In attendance 12:00pm-2:00pm
16.	<i>Presence and Abundance of Basidiobolus Species in Massachusetts.</i> <b>Maddie Hinchler '23.</b> (Sponsor: Professor Javier Tabima Restrepo) In attendance 12:00pm-1:00pm & 3:00pm-4:30pm
17.	<i>Effects of environment and cultivation method on growth, appearance, and biofouling in oyster aquaculture.</i> <b>Ruby Krasnow '24.</b> (Sponsor: Professor Deborah Robertson) In attendance 12:30pm-2:00pm <b>Also, Virtual 2:20-3:30pm</b> <a href="#">ZOOM Link</a>
18.	<i>The Effect of Lizard Morphology on Swimming Kinematics.</i> <b>Emma McLellan '23. Summer Undergraduate Research Experience.</b> (Sponsor: Professor Philip Bergmann) In attendance 2:00pm-4:00pm
19.	<i>"Is This Clear? Adaptation of the CLARITY method for brain imaging in the annelid Capitella teleta".</i> <b>Matt O'Connell-Vale '24. Edwin A. Weiller Summer Fellowship.</b> (Sponsor: Professor Néva Meyer) In attendance 12:00pm-1:30pm & 2:30pm-4:30pm



## ClarkFEST Fall 2022 Program

### POSTER SESSIONS CONT... ACADEMIC COMMONS – GODDARD LIBRARY

20.	<i>Mutagenesis of Drosophila to Generate PLC-gamma Activating Mutations.</i> <b>August Raymond '23.</b> <b>Summer Undergraduate Research Experience.</b> (Sponsor: Professor Justin Thackeray) In attendance 12:00pm-2:00pm
21.	<i>PolyAdenylation Patters of Yeast Strains.</i> <b>Adam Rotem'25.</b> Harvard Medical School Visiting Student (Sponsor: Professor Justin Thackeray) In attendance 12:00pm-1:00pm
22.	<i>Modeling Transcriptional Output Controlled by a Potential Enhancer for the Twin of Eyeless Gene in D. melanogaster.</i> <b>Cristina Santo '24.</b> with Eleanor Verhagen, Graduate Student. <b>Summer Undergraduate Research Experience.</b> (Sponsor: Professor Jacqueline Dresch) In attendance 1:30pm-3:00pm
23.	<i>Drosophila melanogaster Homeodomain Transcription Factor Binding Affinity Predictions.</i> <b>Eleanor Verhagen '23.</b> (Sponsor: Professor Jacqueline Dresch) In attendance 12:00pm-2:00pm
24.	<i>Community diversity of amphibian-associated fungal species in the Worcester watershed.</i> <b>Sara Wheeler '23.</b> (Sponsor: Professor Javier Tabima Restrepo) In attendance 12:00pm-2:00pm
<b>Chemistry</b>	
25.	<i>Copper(II) halide salt complexes of 5-bromo-2-aminopyridine and 3,5-dibromo-2-aminopyridine.</i> <b>Charlotte Bedford '23.</b> <b>PCI Synthesis, part of SEQENS CDMO.</b> (Sponsor: Professor Mark Turnbull) In attendance 12:00pm-2:00pm
26.	<i>Synthesis and magnetic properties of nitrogen coordinated 2-hydroxypyridine copper(II) complexes.</i> <b>Mathew Graci '24.</b> (Sponsor: Professor Mark Turnbull) In attendance 12:00pm-2:00pm
27.	<i>Synthesis of Cobalt Containing Niobate Perovskites <math>ACo(II)_{1/3}Nb_{2/3}O_3</math>.</i> <b>Olivia Hipwell '23.</b> (Sponsor: Professor Luis Smith) In attendance 1:00pm-3:00pm
28.	<i>Transition metal halide complexes of 4'-aminoacetophenone: Syntheses, structures, and magnetic behavior.</i> <b>Lyra Macek '23.</b> <b>SEQENS CDMO.</b> (Sponsor: Professor Mark Turnbull) In attendance 12:30pm-2:30pm
29.	<i>Synthesis, Structure, and Magnetic Properties of Copper (II) "Adamantoid" Clusters.</i> <b>Benjamin Mukda '23.</b> <b>PCI Synthesis, part of SEQENS CDMO.</b> (Sponsors: Professors Mark Turnbull & Christopher Landee) In attendance 12:00pm-2:30pm



---

## ClarkFEST Fall 2022 Program

### POSTER SESSIONS CONT... ACADEMIC COMMONS – GODDARD LIBRARY

Computer Science	
30.	<i>Investigating the Usability of Password Managers.</i> <b>Adryana Hutchinson '23 &amp; Jeffrey Tang '23.</b> <b>LEEP Fellowship.</b> (Sponsor: Professor Peter Story) In attendance 2:00pm-4:00pm
31.	<i>Mouse Pointer Movement Analysis in Computerized Math Tutor.</i> <b>Johah Scudere-Weiss '24 &amp; Abigail Wilson '24.</b> <b>NSF Research Experience for Undergraduates.</b> (Sponsor: Professor John Magee) In attendance 1:30pm-3:30pm
Environmental Science	
32.	<i>Chromophoric Dissolved Organic Matter in the Blackstone River Watershed.</i> <b>Abby Beilman '23.</b> <b>Edwin A. Weiller Summer Fellowship.</b> (Sponsor: Professor Karen Frey) In attendance 1:00pm-3:00pm
Geography	
33.	<i>Climate Smart Actions: A Database of Flood Resilience Strategies for the United States.</i> <b>Esha Bharadwaj '23.</b> (Sponsor: Professor Abby Frazier) In attendance 1:00pm-3:00pm
34.	<i>HERO - An Analysis of Urban Tree Canopy Perceptions among Rhode Island Residents.</i> <b>Shradha Birdika '24 &amp; Charlotte Zieselman '24.</b> <b>Human-Environment Regional Observatory (HERO).</b> (Sponsors: Professors John Rogan and Deborah Martin) In attendance 12:00pm-4:30pm
35.	<i>An Analysis of Urban Tree Canopy, Temperature, and Air Quality in Rhode Island.</i> <b>Nicole Buckley '23, Lucy Fleming '23 &amp; Danielle Hall '23.</b> <b>Human-Environment Regional Observatory (HERO).</b> (Sponsors: Professors John Rogan and Deborah Martin) In attendance 1:00pm-4:00pm
History	
36.	<i>The Smithsonian Center For Folklife and Cultural Heritage Festival.</i> <b>Rosie Cohen '23.</b> <b>Summer Internship Fellowship.</b> (Sponsor: Amy Richter) In attendance 12:00pm-4:00pm

# ClarkFEST Fall 2022 Program

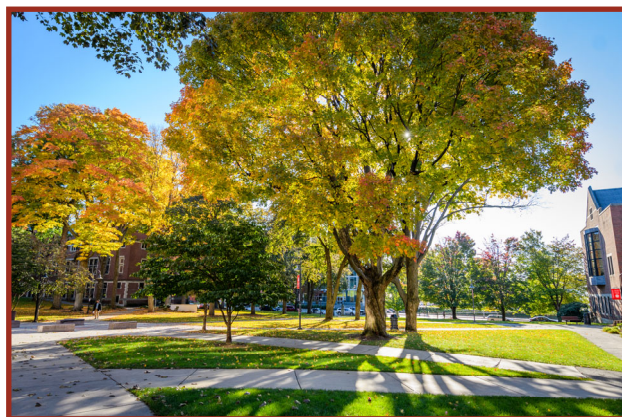
## POSTER SESSIONS CONT... ACADEMIC COMMONS – GODDARD LIBRARY

Interactive Media Exhibit-Art: 2D Art	
37.	<i>Marta Szemiot: The Art of Clowning Around and Blooming.</i> <b>Marta Szemiot '23.</b> (Sponsor: Professor Terrasa Ulm) In attendance 12:00pm-4:00pm
Philosophy	
38.	<i>The (Im)possibility of Fictional Worlds: Margaret Cavendish's Bell in Campo and The Blazing World.</i> <b>Gabriella DeFaria '22. LEEP Fellowship.</b> (Sponsor: Wiebke Deimling) In attendance 1:00pm-3:00pm
Physics	
39.	<i>Magneto-elastic Robots.</i> <b>Balaram Desai '24 &amp; Max Moss '23</b> with Animesh Biswas, Post Doctoral Researcher. <b>Maurine H. Milburn Summer Research Fellowship.</b> (Sponsor: Professor Arshad Kudrolli) In attendance 2:00pm-4:00pm
40.	<i>Small Radio Telescope Research.</i> <b>Siobhan Lounsbury '23. James '39 and Ada Bickman Summer Research Fellowship.</b> (Sponsor: Professor Charles Agosta) In attendance 2:00pm-3:00pm
41.	<i>Cosmic Spring: Galaxies in the Early Universe as Revealed By Gravitational Lensing and the James Webb Space Telescope.</i> <b>Rosa Newshore '25.</b> (Sponsor: Professor Michael Boyer) In attendance 1:30pm-3:30pm
42.	<i>Effects of Compressive Strain on a Charge Density Wave State in 1T-TaS<sub>2</sub>.</i> <b>Hope Robinson '23, Edwin A. Weiller Summer Fellowship, &amp; Lily Carey '25, Albert C. Erickson '30 Summer Research Award.</b> (Sponsor: Professor Michael Boyer) In attendance 1:30pm-3:00pm
Psychology	
43.	<i>The mental health of Caribbean immigrants' households and the resources provided.</i> <b>Crissan Clayton '23. LEEP Fellowship.</b> (Sponsor: Professor Ana Marcelo) In attendance 12:00pm-2:00pm <b>Also, Virtual 12:00pm-1:00pm</b> <a href="#">ZOOM Link</a>
44.	<i>The role of identification strength and sense of community in Asian American's participation in resistance against racism.</i> <b>Ganyu Feng '22.</b> (Sponsor: Graduate Student Hu Young Jeong) In attendance 1:30pm-2:30pm
45.	<i>Bilingual Classrooms: How Teachers Use Language to Help Children Learn Both Content and Language.</i> <b>MacKenzie Johnson '23.</b> (Sponsor: Professor Alena Esposito) In attendance 12:00pm-1:00pm & 3:00pm-4:30pm

# ClarkFEST Fall 2022 Program

## POSTER SESSIONS CONT... ACADEMIC COMMONS – GODDARD LIBRARY

46.	<i>Non-Male Masculine Identities and Expressions of Anger in Queer Relationships.</i> <b>Eliza Lindberg '23</b> with Lizzy Englekamp, Graduate Student. (Sponsor: Professor James Córdova) In attendance 1:00pm-3:00pm
47.	<i>Examining the Association Between Appearance Schemas and Felt Intimacy in Romantic Relationships.</i> <b>Lily Palmer '23</b> with Setareh Rossman, Graduate Student. (Sponsor: Professor James Córdova) In attendance 12:00pm-1:30pm
48.	<i>The Influence of Matched and Mismatched Political Affiliations on Relationship Satisfaction.</i> <b>Giordana Sena '23.</b> (Sponsor: Professor James Córdova) In attendance 2:30pm-4:30pm <b>Also, Virtual 3:00pm-4:00pm</b> <a href="#">ZOOM Link</a>
49.	<i>Exploring Identities Across Borders, Moving from Tourism to Becoming an Ethnographer...</i> <b>Andrea Techera '23.</b> (Sponsor: Graduate Student Si Wang) In attendance 3:00pm-4:00pm
50.	<i>Understanding the Developmental Significance of Aggressive Television Shows on Preschooler's Aggressive Behavior.</i> <b>Ben Wolff '23. Steinbrecher Fellowship</b> .(Sponsor: Professor Ana Marcelo) In attendance 2:30pm-4:30pm <b>Also, Virtual 1:30pm-2:30pm</b> <a href="#">ZOOM Link</a>
<b>Studio Art</b>	
51.	<i>African Print Dress.</i> <b>Amal Ahmed '23</b> with Elena Roblee Gonzalez, Display Design Collaborator. (Sponsor: Professor Jan Johnson) In attendance 2:00pm-3:00pm <b>Also, Virtual 3:00pm-4:00pm</b> <a href="#">ZOOM Link</a>





## ClarkFEST Fall 2022 Program

BECKER SCHOOL OF DESIGN & TECHNOLOGY  
ACADEMIC COMMONS – GODDARD LIBRARY  
GRAND READING ROOM, 2ND FLOOR

Art: 3D Art	
52.	<i>Senior Game Art Portfolio. Ethan Nappi '22.</i> (Sponsor: Professor Scott Niemi) In attendance 12:00pm-2:00pm
Game Design & Development	
53.	<i>Work of Derrick Audain. Derrick Audain '23.</i> (Sponsors: Professors Scott Niemi & Terrasa Ulm) In attendance 1:30pm-4:30pm
Interactive Media	
54.	<i>Animal Empathy through Immersive VR. Ronald Anthony '24 &amp; Lucas Oliveira-Chace '23</i> with Mengliu Lu, Graduate Student. (Sponsor: Professor Terrasa Ulm) In attendance 2:30pm-4:00pm
55.	<i>Edward Greig 3D Portfolio. Edward Greig '23.</i> (Sponsor: Professor Terrasa Ulm) In attendance 12:00pm-3:00pm <b>Also, Virtual 3:00pm-4:30pm</b> <a href="#">ZOOM Link</a>
56.	<i>Greenlit Studio: Tusk Love.. Haylie Ingels '22, Dan Dennis '22, Adam Campbell, Ethan Nappi '22, Jayson Angelo '23, &amp; Jeremy Edwards '23.</i> (Sponsors: Professors Terrasa Ulm & Ezra Cole) In attendance 1:00pm-3:00pm



---

***Fellowships play an essential role in supporting student research.  
Thank you to our generous donors for their valued support!***

Thanks to the generosity of the **Theodore Barth Foundation**, the Career Connections Center offers undergraduate students up to \$2,500 to support unpaid summer internships in the nonprofit sector. This funded internship opportunity is open to first-years, sophomores, and juniors.

**The Lise Anne and Leo E. Beavers II Fellowship** was established by Drs. Leo E. and Dorothy J. Beavers '49 in honor of their son, Leo E. Beavers II, and in memory of their daughter, Lise Anne. The fund supports students or faculty members for research into the biochemical, neurological, or genetic causes of intellectual disabilities or mental illness.

**The Arthur and Rochelle Belfer Fund for Scholars of Holocaust Studies** was established by The Arthur and Rochelle Belfer Foundation, Inc., of New York, to fund annual awards to two or more undergraduate students for research or internships related to the Holocaust.

**The James '39 and Ada Bickman Summer Science Research Internship** was established by James Bickman, a member of the class of 1939, and his wife, Ada Bickman. The fund supports summer research internships for undergraduate students. Awards shall be made to students in their junior year, for research to be conducted between their junior and senior years.

**The Tamara Gay Walker Award** offers financial assistance to one student completing a summer project whose field of study and summer project lie within languages, comparative literature, or the arts.

**Ina and Haskell Gordon Fund** for Undergraduate students of Holocaust Studies was established by Ina Gordon, trustee of the Ina and Haskell Gordon Charitable Trust of Worcester, Massachusetts, to support one or more undergraduate students for research, travel, or internships related to the Holocaust.

**The Goulandris Summer Internship Award for Environmental Sciences** offers financial assistance to one student pursuing an unpaid summer internship. This student must be an Environmental Science major or minor.

**The Lois MPA '78, and Robert '49 Green Urban Development and Social Change (UDSC) Summer Internship** was established by Lois B. and Robert F. Green to support undergraduate student internships in the City of Worcester. The fund is intended to complement Clark University's work through the University Park Partnership.

**The Harrington Public Affairs Fellowship** for undergraduates encourages and supports the pursuit of original research on politics and public policy as well as service projects, and is funded by the Francis A. Harrington Public Affairs Fund, established in 1963.

The **History Department Internship Stipend Program** is able to offer up to three Clark undergraduates funds to support a summer internship in public history or in history fields beyond the academy.

**The Human-Environment Regional Observatory (HERO)** program is a unique undergraduate-graduate-faculty experience that engages in research on human-environment relationships in Massachusetts. HERO Fellows conduct hands-on research under the mentorship of Clark University faculty. The research conducted by HERO Fellows often leads to scholarly publications, presentations at academic conferences across the U.S, and awards and honors.

---

**The Jaffe Foundation** offers financial assistance for summer internships to undergraduate students via the Office of Multicultural and First Generation Student Support.

**The LEEP Fellow program** provides opportunities for Clark students — typically rising juniors and seniors — to take what they have learned in the classroom and explore its real-world applications. LEEP Fellow projects take different forms, such as creating a product for a local business, assisting families in a developing country, working alongside a researcher in a lab either on campus or in the field, or providing research to support a sustainability initiative. Throughout their LEEP Fellow project, students reflect on their experience and relate what they are learning to future goals. LEEP Fellow projects culminate in a campus presentation at Fall Fest that offers the opportunity to hone essential public speaking skills.

**The Arthur E. Martell and Thomas T. Sugihara Research Fellowship** was established by Dr. Lester B. Jacobson '63, in order to sponsor an outstanding undergraduate Chemistry student to work with a senior faculty member of the Chemistry Department during the summer months.

**The Maurine H. Milburn Research Fellowship** was established by former Trustee Janice Culpepper '77 in honor of her grandmother, Maurine Milburn, to support undergraduate summer fellowships and/ or equipment needs in the Chemistry Department, the Biology Department, and the Physics Department.

**The Frederick M. and Alice Murdock Research Fellowship** was established by Frederick M. Murdock '30, M.A. '31, to support summer research internships for undergraduate students majoring in Chemistry. Awards are made to students in their junior year for research to be conducted between their junior and senior years.

Scientists and managers with the **National Oceanic and Atmospheric Administration (NOAA)** partnered with Clark University to offer qualified undergraduate students paid summer field in NOAA labs and offices nationwide, working in fields such as applied ocean and atmospheric science, policy, and science communication.

**The June Patron Internship Award** is given annually by the Political Science Department to a student who has secured an unpaid summer internship in Washington, D.C., either with an office of any branch of the federal government (executive, legislative, or judicial) or an organization that interacts with the government, such as a lobbying group or “think tank.”

In 2005, the family and friends of Clark alumnus David C. Steinbrecher '81 created the **Steinbrecher Fellowship Program** with a generous gift that established a permanent endowment in memory of David that provides fellowships for Clark undergraduates to pursue original ideas, creative research, public service or enrichment projects. The Steinbrecher Fellowship also seeks to create and maintain a vibrant community of learners by bringing Fellows and a small group of faculty together to share ideas, experiences, and intellectual excitement at dinners and other special gatherings several times during each academic year.

**The Edwin A. Weiller Summer Fellowship Program in the Sciences** provides support for undergraduate students pursuing summer research in Biology, Chemistry and Biochemistry, Physics, and/or Environmental Science under the supervision of a Clark faculty member.

For more information about sponsorships, fellowships, and other funding opportunities, please visit <https://www.clarku.edu/academics/fellowships-and-scholarships/>



---

# THANK YOU!

ClarkFEST Fall 2022 is generously sponsored by Dean of College, with additional funding provided by Clark University's Academic Innovation Fund.

ClarkFEST Fall 2022 Coordinator: .....Kerri Stearns, Department of Psychology

ClarkFEST Fall 2022 Faculty Mentor: .....James V. Córdova, Department of Psychology

We would like to thank all of the student presenters and their faculty and staff mentors for their participation in ClarkFEST Fall 2022! In addition, we would like to extend a special thank you to the following Clark University departments and personnel for contributing their efforts and expertise.

## Dean of College

Lori Buckley  
Anne Harrington  
Mary-Ellen Boyle

## Provost Office

Amy Lee

## Becker School of Design & Technology

Donald Desrochers  
Terrasa Ulm

## Employer Engagement & Clark Connect

Lisa Chase

## Information Technology Services

James Cormier  
Joanne Dolan  
Dorothy Erickson  
Michael Krikonis  
Don Lutz

## Marketing & Communications

Meredith King  
Jordan Aubin  
Millie Rossman  
Aviva Luttrell  
Steven King

## Library

Laura Robinson  
Lawrence Bolduc

## Facilities Management

Pamela Fenn  
Bruno Fraga  
Robert Muir

## Dining Services

Kim McElroy

## Department of Psychology

Kelly Boulay  
Eugenia Agurimah  
Alexia Louzado  
Sarah Whalen  
Daniya Khan

## Events Planning

Amy Joseph

## WE WOULD LIKE TO HEAR FROM YOU!

Please share your experience with us by completing a brief survey.

All responses shall remain anonymous.

Thank you!

