47th Annual Undergraduate Research Conference

Humanities
Social Sciences
Natural Sciences
47th Annual
Undergraduate Research Conference
Thursday, May 6 to Friday, May 7, 2021

NEW YORK UNIVERSITY
COLLEGE OF ARTS AND SCIENCE
The URC will be hosted on the NYU Stream channel, “CAS Undergraduate Research Conference (2021)”. The channel will be live starting on Thursday, May 6 9AM (ET).
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Foreword and Welcome:

Welcome to the 47th Annual and 2nd Remote Undergraduate Research Conference!
Below, you can find the video presentations that represent semesters’ and sometimes years’ of hard work and effort not only by the student participants but also on the part of their project mentors. The Undergraduate Research Conference is always a celebration of that work and the outstanding accomplishments of our students. It is particularly heartening to be able to celebrate these accomplishments this year.

Accessing and viewing the presentations:
The URC will be hosted on the NYU Stream channel, “CAS Undergraduate Research Conference (2021)”. The channel will be live starting on Thursday, May 6 9AM (ET).

Videos have been organized into “Playlists” corresponding to the presentation groups in the program. To access these different groups of presentations in the channel, please click on the “Playlists” tab. To see a list of all presentations, please click on the “Media” tab. Attendees can also search for a particular presentation by entering students’ names in the search bar (see the Appendix of Presentations to search for presentations by students’ name).

Engaging with Presenters:
Each presentation will be available for viewing and commenting for the duration of the Conference. Attendees are encouraged to stop by as they have time and submit any questions, comments, or feedback for our presenters using the “Comments” box accompanying each presentation.

There will also be a synchronous engagement period on Friday, May 7 from 10AM–12PM (ET). Presenters have been asked to respond to attendees’ comments and questions as they are submitted. Please note that due to scheduling conflicts and time zone issues not all presenters will be available for the entire synchronous engagement period.

Technical Considerations:
NYU Stream works best with Chrome or Firefox browsers. If, while viewing, you receive a “Bad Request” error message and are unable to continue navigating the site, we recommend simply clearing your recent browser history and then reloading the page.

Concluding Thoughts:
The video presentations submitted here are a wonderful representation of the excellent work our undergraduates undertake each year. The Conference is a celebration of all our undergraduate researchers, their mentors, and all those who made this experience possible.

Thank you for attending and for showing your support to our amazing students. Enjoy the Conference!
Access to the Arts: Displaying, Preserving, Performing, and Interpreting

SASHA CARNES, Art History, Data Science  
Progressive Deaccessioning: A Step Towards Museum Parity

LUCIA IGLESIAS, Art History  
Gender Identities, Gender Relations, and Sexuality in the Middle Ages: Evidence of the 13th-Century Parisian Moralized Bibles

ANNA LECKIE, Art History  
Found Treasure: A Story of Looted 19th-Century Korean Battle Flags

MARI OTSU, Art History, Psychology  
Sketching the Fin-de-Siècle Self: Embodied Identity in the Self-Portraiture of Albrecht Dürer and Egon Schiele

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Molecular Targets of a Non-COX Inhibiting Novel Anti-Inflammatory Drug

ALINA DAVYDOV, Philosophy
The Parasite Within: Revealing the 3-Dimensional Organization of the Microsporidian Spore

JUHANA HABIB, Biology
The Role of ELF-1 Bound Genes in the Type I Interferon Response

CHERRY LAM, Biology
Serial Block Face Scanning Electron Microscopy of Host-Pathogen Interactions in the Microsporidian Species *Encephalitozoon intestinalis*

GRACE PAN, Anthropology, Biology
Uncovering the Role of a Novel Protein Kinase A (PrkA) in Bacterial Sporulation
Bacteria, Viruses, and Immunity II

SAM CIERVO, Biochemistry
Disabling the Helicase Activity of the Severe Acute Respiratory Syndrome Coronavirus 2’s Nonstructural Protein 13 by Small Molecule Inhibitors

NEELAM PANDYA, Chemistry
DAVID SUNG, Chemistry/Chemical and Biomolecular Engineering
Influenza Diagnostic Test

HYE WON SHIN, Global Public Health/Chemistry
Functional Analysis of T cell Receptor Mutants That Affect Extracellular TCR-CD3 Interactions

ERIC WANG, Biochemistry
Novel Tumor-Specific TCR Discovery through Putative Neoantigen Activation

JILL WISNEWSKI, Biology, Spanish
Determining the Role of the IL-17 Signaling Pathway in Epidermal Development
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**SEAN CARR**, Global Public Health/Anthropology
Neocolonialism along the Mexican-American Border

**JUSTINE CRETEUR**, Journalism, Politics
King Leopold II Is Rolling in His Grave: Belgium Is Finally Dealing with Its Racial Inequality

**RUCHEKA JAIN**, French, Politics
Colonial America: A Comparative Study of the French and Spanish Colonial Empires

**CARLA ALEJANDRA LUGO MARTIN**, Environmental Studies, Global Liberal Studies
The Role of Colonial Histories in Natural Hazard Management

**JESSIE LYNN WALL**, Economics, International Relations
Religious Toleration in Colonial United States
Contemporary Global Conflict

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DONNA YANG, Politics
The Effects of Sexual Violence in the Post-Conflict State

SABRINA DAVIS, Environmental Studies
Conservation and Indigenous Rights in the Midst of Political Instability: A Case Study in Chatthin Wildlife Sanctuary, Myanmar

LAUREN HAGSTROM, Philosophy, Politics
Understanding the Impact of Nuclear Weapon Capabilities on Militarized Interstate Disputes

DYLAN LIANG, International Relations
Commodity Price Shocks and Interstate Conflict: Evidence and Analysis of Oil Production from 1993–2014

JAKE MAYERSON, International Relations
Assessing the Impact of Natural Disaster Incidence on Terrorist Activity

ELAN PELEGRI, International Relations
Cartels or Concessions?: The Hidden Use of State Violence in Mexico

JOO-YEON ANN YOON, International Relations
More Than Just Words?: An Analysis of the Relationship between Local News Media and Hate Incidents in the United States
COVID-19: Impacts and Responses

ANA AGUIRRE, Psychology, Spanish  
Who Gets the Last Ventilator?

EMILIO BLAIR, Anthropology  
Using the PHQ-9 Form to Study the Effects of the COVID-19 Pandemic on the Mental Health of Adolescents Aged 12-17

ANNA RACHEL HART KAUFMAN, Journalism, Spanish  
Go Call Your Ancestors: How Today's Young People Can Learn to Reckon with a Plague by Talking about Tragedy with Generations Past

MCKENNA NISSON, Anthropology  
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SOPHIA SANTANIELLO, Sociology  
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KATIE MUNDT, Global Public Health/Applied Psychology  
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SOPHIA YUFEI WANG, Journalism, Psychology  
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  How Veganism Became Mainstream

FELICIA NARA, Global Liberal Studies, History, Philosophy
  Naming Chinese America: Personal Names as Signifiers of Identity Construction among Chinese Americans

HARRY ZHU, Anthropology
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ERA GJONBALAJ, History
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  The Politics of Asking Permission to be Sovereign

JULIA-FRANÇOISE RAITH, French, International Relations
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ISABEL RUDIE, International Relations
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ELINE MUNSTER, European and Mediterranean Studies, Politics
The Rise of Populism in European Parliament Elections Post-Eurozone Crisis

LAYLA PASSMAN, American Studies
American Anarchism: Haight Ashbury and the Analysis of Modern Movements

SAFINA THEARD-LEWIS, French
Being Black in the Métropole: Conversations with the Nardal Sisters
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AUDREY BECKER, Environmental Biology, Environmental Studies
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VICTORIA BIANCO, International Relations, Spanish
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BROOKLYN ALICIA JOHNSON, Asian/Pacific/American Studies, Environmental Studies
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GRACE SAMARITANO, Middle Eastern Studies
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ANGELA ISABELLA SCAFIDI, Environmental Studies, Romance Languages
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KATERINA KALERGIOS, Environmental Studies
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NADINE STODOLKA, Environmental Studies
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TYLER HOLLADAY, English and American Literature, Music
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