A TRADITION OF CELEBRATING
OUR
COMMUNITY
OF LEARNERS
Welcome

Dear Friends and Colleagues,

Each year the students, faculty, and staff of the School of Arts & Sciences at University of Richmond embark on a new journey of discovery. Today I invite you to not only share in our newfound knowledge, but to discover the School of Arts & Sciences in its many facets and dimensions. Throughout the school year and summer, the School of Arts & Sciences supported hundreds of students in mentored research and scholarship that culminates in today’s 38th A&S Student Symposium.

This year’s Symposium event features art exhibitions, musical performances, oral presentations, and posters that result from the remarkable creativity and hard work of our students in partnership with the amazing faculty and staff. Their impactful work addresses a huge range of scales, from global warming to microscopic organisms. Let students take you from Arizona to Senegal, and let students tell you stories of Nat Turner’s Rebellion or a young immigrant at the border. When you need a musical break, enjoy a performance and discussion on a Ballade by Frédéric Chopin in our beautiful Perkinson Recital Hall. To include all of the amazing student work, the Symposium starts on Thursday, April 13 at 5 p.m. with the Department of Latin American, Latino, and Iberian Studies Senior Symposium and ends with a poetry reading at 3 p.m. on Saturday, April 15 in the Humanities Commons. Be sure to stay for the Symposium reception after the last poster session to hear from Andrew Marantz, staff writer at The New Yorker, who will help us reflect on a day of discovery.

Big thanks to A&S Dean Jenny Cavenaugh, Associate Dean Kelling Donald, and the Undergraduate Research Committee for providing funds throughout the year to students and faculty to produce the work you see today. The staff of the A&S Dean’s Office, in particular Jennifer Lo Prete and Barb Schaible, and the staff of the Technology Learning Center are providing major logistical support for the Symposium. I wish to also thank the staff of the Modlin Center for the Arts for hosting the event. And, of course, thank you for helping us celebrate the remarkable scholarship of our undergraduate students.

Sincerely,

Eugene Wu, Ph. D.
Associate Professor of Biology and Biochemistry
Biochemistry and Molecular Biology Program Coordinator
Arts & Sciences Student Symposium Coordinator
The School of Arts & Sciences remains committed to supporting undergraduate research through A&S Summer Fellowships, part of the Richmond Guarantee program. Whether it's in the lab, the art studio, or the archives, student-led, faculty-mentored is a hallmark of the School of Arts & Sciences experience. We are proud to share and celebrate this work at the A&S Student Symposium.

**On the cover**

**STUDENT-LED, FACULTY-MENTORED WORK**

Friend Group. Oil on canvas painting, 6’x8’. 2022.

Bailey Santaguida, ’23, a visual art and psychology major, created *Friend Group* as part of her research project *Confrontations: Stars, Friends, Phonemes* mentored by Jeremy Drummond, associate professor of art, and Erling Sjovold, professor of art. Her work uses abstract painting, film, and installation to explore process of being a friend and the process of doodling.

Joanna Wares, associate professor of mathematics, mentored Maniha Akram, ’24; Olivia Barlow, ’23; Connor Gasgarth, ’23; and Leah Ghazali, ’24, as part of a student research group focused on using mathematical models to address questions related to the opioid crisis. Their paper, ”Modeling the Opioid Crisis in Virginia: A Differential Equations Model of the Impact of Medication-Assisted Treatment in Correctional Facilities on the Opioid Epidemic” was presented at the Shanks Workshop at Vanderbilt University and has been recognized for its contribution to the field of dynamical modeling for the social sciences.

Students in Jennifer Erkulwater, professor of political science, and Tze Loo’s, associate professor of history and global studies, Sophomore Scholars in Residence (SSIR) course, Asians in America, examined the history, politics, and activism of Asian communities in the United States. Student Chise Ueda’s poster presentation highlights that Asians in America need to internalize white norms to gain their rights in society. Starting from the comparison between commercialized Japanese culture in the U.S. and the real Japanese culture, Ueda introduced Japanese exclusion history and illustrates that they are unconsciously subordinated to consolidated white power. By viewing Japanese exclusion as a part of the entire Asian exclusion history in the U.S., Ueda would like readers to reflect on how cultural consumption relates to each minority group’s survival.
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## PHOTOGRAPHY

Video and photographs taken during the Symposium will be used in University publications and on the website. If you do not wish to be included in videos or photographs, please alert the photographer and/or videographer.
Locations & Times

Wednesday, April 12

CAROLE WEINSTEIN INTERNATIONAL CENTER
INTERNATIONAL COMMONS | LALIS Senior Symposium Inaugural Lecture, 6:00 P.M.

Thursday, April 13

TYLER HAYNES COMMONS
ROOM 305 | LALIS Senior Symposium Student Presentations, 5:00 P.M.

Friday, April 14

MODLIN CENTER FOR THE ARTS
BOOTH LOBBY | Symposium Check-In & Poster Presentations, 12:30 - 5:45 P.M.
M104 | Artist Presentations, 1:00 - 2:45 P.M.

BOOKER HALL
ROOM B102, B207, B226 | Oral Presentations, 12:30 - 2:55 P.M

NORTH COURT
PERKINSON RECITAL HALL | Student recital, 4:00 - 4:15 P.M.
ROOM 101, 103, 202 | Oral Presentations, 12:30 - 3:05 P.M.

GOTTWALD CENTER FOR THE SCIENCES
ROOM A100, A201, D308 | Oral Presentations, 12:30 - 3:05 P.M.
ATRIUM | Reception, 5:30 - 7:30 P.M.
Featuring keynote by Andrew Marantz, writer for The New Yorker.

KELLER HALL
ROOM V206 | Oral Presentations, 12:30 - 2:45 P.M.
ART & ART HISTORY LOUNGE | Artist Exhibitions, 3:30 - 4:45 P.M.
ART GALLERY | Artist Exhibitions, 2:30 - 3:15 P.M.

WEINSTEIN HALL
BROWN-ALLEY ROOM | Oral Presentations, 12:30 - 3:00 P.M.

Saturday, April 15

HUMANITIES BUILDING
HUMANITIES COMMONS, 3:00 P.M.
Artist Presentations, Performances, & Exhibitions

BOOKER HALL, ROOM B226

12:30 - 1:00 P.M.
DONTE’ THOMPSON
Researching Drawing Emotion from the Listener & The Therapeutic Effects of Listening to Music.
FACULTY MENTOR: Benjamin Broening, Jennifer Cable

HUMANITIES BUILDING, COMMONS

SATURDAY, APRIL 15, 3 PM
EVELYN ZELMER
The Fistland: Ethnographic Poetry about Middle America’s White Working Class.
FACULTY MENTOR: Laura Browder
KELLER HALL, ART & ART HISTORY LOUNGE
LOCATED NEAR KELLER HALL, V206

2:30-2:50 P.M.
JENNA DONALDSON
FACULTY MENTOR: Tanja Softić

2:55-3:15 P.M.
EVA STEINITZ
Creative Touch: Care Labor & Art.
FACULTY MENTOR: Elena Calvillo, Nathan Snaza

KELLER HALL, ART GALLERY

3:30-3:45 P.M.
BAILEY SANTAGUIDA
Confrontations: Stars, Friends, Phonemes.
FACULTY MENTOR: Jeremy Drummond, Erling Sjovold

3:45-4:00 P.M.
MEGAN SALTERS
Re-Incarnation.
FACULTY MENTOR: Jeremy Drummond, Tanja Softić

4:00-4:15 P.M.
JOCelyn HERNANDEZ
The Unforgiving American.
FACULTY MENTOR: Tanja Softić, Jeremy Drummond

4:15-4:45 P.M.
ESTEBAN CABASCANGO
VMAP 2023 Art Show.
FACULTY MENTOR: Jeremy Drummond
Artist Presentations

MODLIN CENTER FOR THE ARTS, ROOM M104

1:00-2:00 P.M.
JACK INZER
ReVeAl.
FACULTY MENTOR: Sonja Bertucci

2:00-2:30 P.M.
JUSTIN BUTLER
Santiago: Sound and Music.
FACULTY MENTOR: Michael Davison

2:30-2:45 P.M.
CHRISTIAN CONTE, WILL HARFORD
Can't Lie: A Summer of Songwriting.
FACULTY MENTOR: Benjamin Broening

NORTH COURT, PERKINSON RECITAL HALL

4:00-4:15 P.M.
XIPENG KE
FACULTY MENTOR: Richard Becker
Oral Presentations

AMERICAN STUDIES
DOUG WINIARSKI, session moderator
NORTH COURT, ROOM 103

12:30-12:45 P.M.
MAYA CASILLAS, JANIS PARKER
FACULTY MENTOR: Ed Ayers

12:45-1:15 P.M.
YAMIR CHAPMAN, MIRANDA MOE, JULIA BERUTTI, ANNIE WATERS, CRAIG CAUDILL
Revealing Resistance.
FACULTY MENTORS: Ernest McGowen

1:20-1:45 P.M.
WEILAN MOYER
Arizona and Recreational Cannabis.
FACULTY MENTOR: Laura Browder

1:55-2:20 P.M.
ELIANA COLEMAN, HARRISON CRAVER, ZEKE FAUCHER, CHARLIE FISHER, KATE FLANAGAN, ETHAN LEONARD, AIDA LETTE, DEVIN RYAN, DALIN SAO, JUSTIN ZHANG
Nat Turner in History, Memory & Popular Culture.
FACULTY MENTOR: Douglas Winiarski

2:20-2:45 P.M.
SHRUTI SATISH
FACULTY MENTOR: Patricia Herrera, Laura Browder
2:50-3:05 P.M.
SHIRA GREER
Creating the GRTC Archive.
FACULTY MENTOR: Patricia Herrera

ART & ART HISTORY, & FILM STUDIES
AGNIESZKA SZYMANSKA, session moderator
BOOKER HALL OF MUSIC, ROOM 102

12:30-12:45 P.M.
MAGGIE OTRADOVEC
FACULTY MENTOR: Abigail Cheever

12:45-1:00 P.M.
TRA MY ANDERSON
Ghost in the Angel's Egg: Intersection of Religion and Metaphysics in the Filmography of Mamoru Oshii.
FACULTY MENTORS: Olivier Delers

1:00-1:25 P.M.
LAUREN MEDLIN
Performing and Observing Gender: Mapplethorpe's Photographs of Lisa Lyon and Patti Smith.
FACULTY MENTOR: Agnieszka Szymanska

1:30-1:45 P.M.
MACLAINE BAMBERGER
Art Nouveau’s Nationalistic Ornament.
FACULTY MENTOR: Agnieszka Szymanska

1:45-2:05 P.M.
HOPE MANNING
Van Gogh and Japan.
FACULTY MENTORS: Najung Kim
**Oral Presentations**

2:05-2:20 P.M.

**SOPHIE MCCLELLAN**

*Plucking the Fruits of Knowledge*: Mary Cassatt’s Artistic Empowerment of Women.  
**FACULTY MENTOR**: Agnieszka Szymanska

2:20-2:40 P.M.

**CHLOE KHOSHAND**

*Torn Off with Malice*: Circumstances of the Benin Bronzes.  
**FACULTY MENTOR**: Agnieszka Szymanska

2:40-2:55 P.M.

**SOPHIE MCCLELLAN**

*Therefore I Am*: Portraits from the Joel and Lila Harnett Print Study Center.  
**FACULTY MENTOR**: Elizabeth Schlatter

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**ENGLISH & ENGLISH HONORS**

**ELISABETH GRUNER**, session moderator  
**BOOKER HALL OF MUSIC, ROOM B207**

12:50-1:10 P.M.

**HELENE LEICHTER**

*An Ongoing Exploration of Selfhood from American Renaissance Literature to Contemporary Young Adult Literature*.  
**FACULTY MENTOR**: Kevin Pelletier

1:10-1:25 P.M.

**JENNA HARFORD**

**FACULTY MENTOR**: Elisabeth Gruner

1:30-1:45 P.M.

**ISABEL BITNER**

*Isolation, Connection, and Murakami*.  
**FACULTY MENTORS**: Abigail Cheever, Olivier Delers
Oral Presentations

1:45-2:10 P.M.
CLAIRE SILVERMAN
An Experiment of Translation: An Exploration of the Art Form and Institution of Ballet.
FACULTY MENTOR: Julietta Singh, Sonja Bertucci

GLOBAL STUDIES, GEOGRAPHY, SUSTAINABILITY & THE ENVIRONMENT
MARY FINLEY-BROOK, session moderator
NORTH COURT, ROOM 101

12:30-12:50 P.M.
CAITLIN FAY
Exploring Fish Biodiversity and Client Behaviors at Marine Cleaning Stations in South Caicos, Turks and Caicos Islands.
FACULTY MENTOR: C. E. (Shades) O’Brien*

12:50-1:05 P.M.
HENRY KOCH
The Future of Landfill Gas, and its Impacts on Climate and Community.
FACULTY MENTOR: Mary Finley-Brook

1:05-1:20 P.M.
NATALIE SCHAUS
FACULTY MENTOR: Mary Finley-Brook

1:20-1:40 P.M.
SARAH MURTAUGH
Environmental Justice in Charles City County.
FACULTY MENTOR: Mary Finley-Brook, Beth Zizzamia
Oral Presentations

1:45-2:00 P.M.
CHARLES MULLIS
Landfill Gas in University Offset Markets.
FACULTY MENTOR: Mary Finley-Brook

2:00-2:20 P.M.
JACK MALINS
Efficacy of Populism in Democratic Systems.
FACULTY MENTOR: Luai Allarakia

2:20-2:40 P.M.
JORDAN HUANG
Brexit and British Identity.
FACULTY MENTOR: Stephen Long

HISTORY & HISTORY HONORS
DAVID BRANDENBERGER, session moderator
NORTH COURT, ROOM 202

12:30-12:50 P.M.
REVA HENDERSON
A New American Identity Based on French Culture.
FACULTY MENTOR: Sydney Watts

12:50-1:10 P.M.
REIDE PETTY
Socialist Legality on Trial: An Analysis of Several Cases in the Purge of the Ukrainian NKVD.
FACULTY MENTOR: David Brandenberger

1:10-1:30 P.M.
MADELEINE LONG
If Truth Be Told: An Application of Contemporaneous Journalistic Ethics to the Western Media’s Coverage of the Soviet Union, 1931-1933.
FACULTY MENTOR: David Brandenberger
1:30-1:45 P.M.

JANIS PARKER
Confederate Monuments: Civil War Narratives and Preserving Public Memory, 1865-1915.
FACULTY MENTOR: Eric Yellin

1:50 -2:05 P.M.

HANNAH LEVINE
FACULTY MENTOR: Nicole Sackley

2:05-2:25 P.M.

YAMIR CHAPMAN
Resistance and Endurance in the Face of Adversity.
FACULTY MENTOR: Kathleen Skerrett

2:25-2:45 P.M.

CAMDEN REED
Perceptions of Progress, Pillars and Plight.
FACULTY MENTOR: David Brandenberger

2:45-3:05 P.M.

ROBERT BENTLEY
Race, Ideology, and Revolt: An Examination of the Civilizing Missions within British Jamaica and French Egypt.
FACULTY MENTOR: Chris Bischof
Oral Presentations

LATIN AMERICAN, LATINO, & IBERIAN STUDIES

WEDNESDAY, APRIL 12, 6:00 P.M.
CAROLE WEINSTEIN INTERNATIONAL CENTER, INTERNATIONAL COMMONS

LALIS SENIOR SYMPOSIUM INAUGURAL LECTURE
Dr. Matthew Kanwit, ’05, Associate Professor of Linguistics, University of Pittsburgh
Hablare o voy a hablar? La adquisicion de la expresion variable de la futuridad en el espanol como segunda lengua. (Lecture is in Spanish.)

THURSDAY, APRIL 13 5:00 P.M.
TYLER HAYNES COMMONS, ROOM 305

STUDENT PRESENTATIONS

ESTEBAN CABASCANGO
Presentación de “The Crossing.”

SYDNEY DWYER
Cambios demográficos en la comunidad latina: algunos casos prácticos de estrategias mercadotécnicas.

LEAH KULMA
Lo que está pasando en el salón de español: Una pedagogía critica para la voz de los estudiantes.

LILY MILLER
Los dilemas del feminismo mexicano en las plataformas digitales.

ALYSSA WEIPPERT
Una banda sonora musical para “Ritmo de otoño,” poema de Federico García Lorca.
MATHEMATICS & ECONOMICS
JOANNA WARES, session moderator
BOOKER HALL OF MUSIC, ROOM 226

1:10 - 1:35 P.M.
RILYN MCKALLIP
From Big Farm to Big Pharma: A Differential Equations Model of Antibiotic-resistant Salmonella in Poultry Populations.
FACULTY MENTORS: Lester Caudill

1:35 - 1:50 P.M.
JACK RIDILLA, KYLENE ROBLES
Predictors of Poverty and Policy Implications in OECD Countries.
FACULTY MENTOR: Andrea Waddle†

2:00 - 2:25 P.M.
OLIVIA BARLOW, LEAH GHAZALI, CONNOR GASGARTH, MANIHA AKRAM
FACULTY MENTOR: Joanna Wares

2:25 - 2:40 P.M.
KATHERINE COFFEY
University Board Composition and Institutional Performance.
FACULTY MENTORS: James Monks†
Oral Presentations

POLITICAL SCIENCE
LUAI ALLARKIA, JENNIFER PRIBBLE, JENNIFER BOWIE, & CLAUDIO LOPEZ-GUERRA, session moderators
GOTTLWALD SCIENCE CENTER, ROOM A201

12:30-12:45 P.M.
NANDINI RAISURANA
Assessing the Effectiveness of the International Court of Justice: A Case Study of The Rohingya Genocide.
FACULTY MENTOR: Luai Allarakia

12:45-1:00 P.M.
ANANYA CHETIA
Exploring Political Satire in Iran.
FACULTY MENTOR: Kevin Pelletier

1:00-1:15 P.M.
ADAM WEBSTER
Stringency and Efficacy of COVID-19 Responses in Democracies: A South Korea Case Study.
FACULTY MENTOR: Dan Chen

1:15-1:35 P.M.
MARÍA ZAMBRANO DÁVILA
Feminist Policy and Gender Parity in the Chilean Constitutional Rewrite.
FACULTY MENTOR: Jennifer Pribble

1:40-2:00 P.M.
PARKER HAILEY
Partisan Attorneys General Associations, Polarized State Politics, and the Nationalization of States Attorneys General.
FACULTY MENTOR: Anthony Sparacino

2:00-2:15 p.m.
TREVIN STEVENS
The Polarization and Nationalization of State Secretaries of States.
FACULTY MENTOR: Anthony Sparacino
2:15-2:30 P.M.

NICO ELLIS
An Analysis of Justice Ruth Bader Ginsburg’s Use of Emotive Language in Her Authored Dissenting Opinions.
FACULTY MENTOR: Jennifer Bowie

2:30-2:45 P.M.

ZACHARY HOLMES
Lost in Translation: Mistranslation in Judicial Opinions from the Appeals Court of Québec.
FACULTY MENTOR: Jennifer Bowie

2:45-3:05 p.m.

LAURA ROLDAN
Before and After Justice Kennedy’s Retirement: A Study on Court Efficiency and Legitimacy.
FACULTY MENTOR: Jennifer Bowie

POLITICAL SCIENCE HONORS
JENNIFER ERKULWATER, session moderator
WEINSTEIN HALL, BROWN-ALLEY ROOM

12:30-1:00 P.M.

KAITLYN O’LEARY
Hold the Phone: The Relationship Between Visual Cues and Gender Schematic Language in Supreme Court Oral Argument.
FACULTY MENTORS: Jennifer Bowie, Ernest McGowen

1:00-1:30 P.M.

MEGAN SCHMITZ
A Tale of Two Venues: The Lobbying of The Affordable Care Act.
FACULTY MENTOR: Jennifer Erkulwater

1:30-2:00 P.M.

AVA GURAL
Identity, Efficacy, and Policy Design.
FACULTY MENTOR: Jennifer Erkulwater, Tracy Roof
Oral Presentations

2:00-2:30 P.M.
TANNER BROOKS
Facing Famine: Justice and the Case of Unilateral Intervention.
FACULTY MENTOR: Claudio Lopez-Guerra, Jeppe von Platz

2:30-3:00 P.M.
ALEXIS COBBS
Magic as Political Might: Harry Potter, Authoritarianism, and Youth Political Behavior.
FACULTY MENTORS: Ernest McGowen, Kevin Cherry

RHETORIC & COMMUNICATIONS
TIMOTHY BARNEY & LINDA HOBGOOD,
session moderators
KELLER HALL, ROOM V206

12:30-12:50 P.M.
WILL SAUERS
Mothers, Brothers, Sons, and Daughters: Rhetorical Influence of Family Members on Presidents and their Presidencies.
FACULTY MENTOR: Linda Hobgood

12:50-1:05 P.M.
QUINN BOGUE, JAMES SALERNO, WILL SAUERS, GURBANI MAKAR
Mothers, Brothers, Sons, and Daughters: Rhetorical Influence of Family Members on Presidents and their Presidencies.
FACULTY MENTOR: Linda Hobgood

1:05-1:25 P.M.
GURBANI MAKAR, QUINN BOGUE, JAMES SALERNO, WILL SAUERS
Mothers, Brothers, Sons, and Daughters: Rhetorical Influence of Family Members on Presidents and their Presidencies.
FACULTY MENTOR: Linda Hobgood
Oral Presentations

1:30-1:50 P.M.
JAMES SALERNO
Mothers, Brothers, Sons, and Daughters: Rhetorical Influence of Family Members on Presidents and their Presidencies.
FACULTY MENTOR: Linda Hobgood

1:50-2:05 P.M.
LAUREN OLIGINO
A Historical Examination of Rhetoric During Global Pandemics: Our Shared Mistakes and Its Impact on the World Today.
FACULTY MENTOR: Timothy Barney, Nathan Snaza

2:05-2:25 P.M.
ZAOWEN CHEN
Chinafication.
FACULTY MENTOR: Mari Lee Mifsud

2:25-2:45 P.M.
WILLIAM ROBERTS
Love, Labor, and Leisure in Theocritus’ Bucolic Idylls.
FACULTY MENTOR: Walter Stevenson

SCIENCE
MICHAEL NORRIS, session moderator
GOTTWALD SCIENCE CENTER, ROOM D308

12:30-12:50 P.M.
HELEN XIA
Friedel-Crafts Alkylation of Indoles with Alkyl Acetates.
FACULTY MENTORS: Wade Downey

12:50-1:05 P.M.
HANNAH PARKER
Building an Interactive Tool to Catalog Metabolic Genetic Disorders.
FACULTY MENTOR: Julie Pollock
Oral Presentations

1:05-1:25 P.M.
ELIZABETH FORREY
Prevalence Rate of Bartonella Bacteria in the Endangered Channel Island Fox (Urocyon littoralis).
FACULTY MENTOR: Jory Brinkerhoff

1:30-1:50 P.M.
SAM KELLY
Ecophysiological Performance of the Shade Tolerant Invasive Grass, Wavyleaf Basketgrass.
FACULTY MENTOR: Carrie Wu

1:50-2:05 P.M.
SYDNEY MOISE
Electrochemical Reduction of Carbon Dioxide.
FACULTY MENTORS: Michael Norris

2:05-2:20 P.M.
NOLAN SYKES
Synthesis and Analysis of Isomeric Monodentate Pyrrolyl Phosphine Ligands.
FACULTY MENTOR: Miles Johnson

2:20-2:40 P.M.
DONTE' THOMPSON
Pseudomonas putida and the Conversion of Toxic Intermediates with a Rare Earth Metal.
FACULTY MENTOR: Dominique Williams

2:40-2:55 P.M.
THOMAS CAMPBELL
Ru-Catalyzed Pendent Lewis Acid Reduction of CO2.
FACULTY MENTOR: Michael Norris
SOCIETIES AROUND THE WORLD
NATHAN SNAZA & KRISTIN BEZIO,
session moderators
GOTTWALD SCIENCE CENTER, ROOM A100

12:30-12:45 P.M.
KRISTIN SANTANA
Hopping Hurdles to Leave Honduras: Telling My Mom’s Story.
FACULTY MENTOR: Margaret Dorsey, Nathan Snaza

12:45-1:10 P.M.
SIMONE REID
“Hair Done, Nails Done, Everything Did!” The Construction of Black Feminine Selves.
FACULTY MENTORS: Bedelia Richards

1:10-1:25 P.M.
ALAN DECLERCK, NY'ASIA FLOWERS, AZIF FAZRIQ AZIZI
Enchanting Education: Scholarly Mentorship in Practice.
FACULTY MENTOR: Nathan Snaza

1:30-1:45 P.M.
SARAH SCHALKOFF
FACULTY MENTORS: Ni Wayan Ariati*, Kerstin M. Soderlund‡

1:45-2:00 P.M.
ESTHER HELM
The Path(s) to Independence: Comparative Study of the Circumstances of Independence in Senegal and Guinea-Conakry.
FACULTY MENTOR: Olivier Delers

2:00-2:25 P.M.
JOSEPHINE HOLLAND
Out-of-Time and Out-of-Place: Queer Horizons of Popular Culture.
FACULTY MENTOR: Kristin Bezio, Nathan Snaza
Poster Presentations

MODLIN CENTER FOR THE ARTS, BOOTH LOBBY

POSTER SESSION 1: 2:30-3:25 P.M.

KATHERINE WALKER
The Evolution of ADHD and Pharmacological Intervention.
FACULTY MENTOR: Laura Browder
POSTER #1

BRISEILY CEJUDO, AUDEN WILSON
Pollock Lab Pact Summer 2022.
FACULTY MENTOR: Julie Pollock
POSTER #2

SONIA MECORAPAJ
Incorporation of pBpf Unnatural Aminoacid to MEMO Protein.
FACULTY MENTOR: Julie Pollock
POSTER #3

EMMA KANE
Sodalis glossinidius, a Bacterial Symbiont of Tsetse Flies.
FACULTY MENTORS: Laura Runyen-Janecky
POSTER #4

HANGLIN ZHU, CORRINA STASIAK
Structure of Adenovirus Type 64 and Receptor Protein CD46.
FACULTY MENTOR: Eugene Wu
POSTER #5
Petra Mijic
X-ray Crystallography of DNA Polymerase Binding RNA.
FACULTY MENTOR: Eugene Wu
POSTER #6

Megan Carson
Using Mineral Surfaces to Synthesize RNA Oligonucleotides.
FACULTY MENTOR: Eugene Wu
POSTER #7

Ian Shogren
An Affordable Three-Dimensional (3D) Printed Two-Electrode Voltage Clamp Electrophysiology Recording Chamber.
FACULTY MENTOR: Linda Boland
POSTER #8

Jillian Yates
Evolution in Wing Morphology in Zaprionus indianus.
FACULTY MENTOR: Priscilla Erickson
POSTER #9

Sam Morgan
Investigation of Diapause and Starvation Tolerance in the Zaprionus indianus Fruit Fly.
FACULTY MENTOR: Priscilla Erickson
POSTER #10

William Heinle
FACULTY MENTOR: Kristine Grayson
POSTER #11

Rebecca Walsh
Understanding the Physiological, Temporal, and Environmental Determinants of Forage Fish Caloric Content in the Gulf of Mexico.
FACULTY MENTOR: Kristine Grayson, Leaf Robert*
POSTER #12
Poster Presentations

POSTER SESSION 1: 2:30-3:25 P.M.

OLIVIA DAY, LUIS MONTANO
Investigating the Agrobacterium tumefaciens VirA Linker Region for Phenol Interaction.
FACULTY MENTOR: B. Dan Pierce
POSTER #13

MIKAYLA QUINN
Bryophytes of the Virginia Piedmont.
FACULTY MENTOR: John Hayden
POSTER #14

CATHERINE LEEDER
Measuring Chitinase Activity in Sodalis glossinidius.
FACULTY MENTORS: Laura Runyen-Janecky
POSTER #15

FABIANNA MORELL
Cloning SG1701 from Sodalis glossinidius to Restore PtsH Gene Function in Escherichia Coli.
FACULTY MENTOR: Laura Runyen-Janecky
POSTER #16

OLIVIA BEATTY
Screening for PTZ Sensitivity in STXBP1B Mutant Zebrafish.
FACULTY MENTOR: Colleen Carpenter
POSTER #17

PARKER ERNST
Implications of the Wildlife Trade on Ranavirus Infections in Native Turtle Populations.
FACULTY MENTOR: Jennifer Sevin, Jory Brinkerhoff
POSTER #18

KATIE ZERWEKH
Effects of Oplismenus undulatifolius on the Soil Microbiome of Invaded and Uninvaded Areas.
FACULTY MENTOR: Carrie Wu
POSTER #19
Poster Presentations

POSTER SESSION 1: 2:30-3:25 P.M.

TYLER CHONG
TMSOTf-Promoted Amide Propargylation.
FACULTY MENTOR: Wade Downey
POSTER #20

DONOVAN HOILETTE
The Nature of Bonding of Group 5 Oxyhalides: Sigma-hole Interactions and Charge Transfer.
FACULTY MENTOR: Kelling Donald
POSTER #21

NAM PHAM
FACULTY MENTORS: Kelling Donald
POSTER #22

BENJAMIN SOLOMON, LUKE SIMKINS
Synthesis, Characterization, and X-ray Structure of 2-pyridynaphthyridine Metal Complexes.
FACULTY MENTOR: Emma Goldman, Raymond Dominey
POSTER #23

SOPHIE GOLDBERG
Examination of 1,2-Bis(diphenylphosphine)benzene Nickel Complexes in C-N Cross-Coupling Reactions.
FACULTY MENTORS: Miles Johnson
POSTER #24

HOLLY WEMPLE
Nanomaterial Enhanced Xanthine-Hypoxanthine Xerogel Biosensors for Clinical and Industrial Measurements.
FACULTY MENTOR: Michael Leopold
POSTER #25

LINDSEY STEVENS
Concessions Uncovered: Westhampton Park in Context.
FACULTY MENTOR: Elizabeth Baughan
POSTER #26
Poster Presentations

Poster Session 1: 2:30-3:25 P.M.

HANNAH FIECHTL
The Morrigan: Connections to Indo-European Mythology.
FACULTY MENTOR: Dieter Gunkel
POSTER #27

MANIHA ZEHRA AKRAM, BAILEY ROSSENFELD, JUSTIN BARRERA, GINNY ZHANG, YILI YU
Politics and Computer Science: Analyzing the Rhetoric of Congressmembers.
FACULTY MENTORS: Yucong Jiang
POSTER #28

JENNA DONALDSON, NA’DYAH WYNN, TOLYA EVDOKIMOV
Identifying Links Between Human Values and Persuasion.
FACULTY MENTOR: Joonsuk Park
POSTER #29

JOEL MURPHY, ALEX CHEATHAM, GRANT SZAJDA, LIZ SMITH, OSCAR WANG, DANIEL KATZ, CHRIST ATHIOGBEY, PAUL OCHEN, JENNIE CAMPBELL, THANDO TSELA, WALED SAID, HENLEY SMITH, KRITIM RIJAL
Why do Voice Processing Systems Think the Way They Do?
FACULTY MENTORS: Doug Szajda
POSTER #30

ISRAA DRAZ, ALINA ENIKEEVA
Predicting ADHD Symptoms Using Smartphone Sensing Data.
FACULTY MENTORS: Shweta Ware
POSTER #31

KATHERINE MAZZER
Performing Math, Dancing to History: A Case Study on School Culture in an Arts-Integrated, Urban Middle School.
FACULTY MENTORS: Bob Spires
POSTER #32
ELENA DURAZO
Scaling Up, Scaling Down, Scaling Around: Transboundary Political Ecology of Climate Crisis Maps within an Ashaninka Community of the Amazon Borderlands.
FACULTY MENTOR: David Salisbury
POSTER #33

KATIE ANDERSON
Los Defensores de la Amazonía: A Comparison in the Forest Conditions and Ecosystem Service Indicators within Remote Indigenous Territories of the Southwestern Amazon.
FACULTY MENTOR: David Salisbury, Stephanie Spera
POSTER #34

SYDNEY THOMAS
Forest Disturbances, Evapotranspiration, and Land Surface Temperature in Indigenous Territories of the Amazon Borderlands of Ucayali, Perú and Acre, Brasil: Methods and Analysis.
FACULTY MENTOR: David Salisbury, Stephanie Spera
POSTER #35

VIOLET JETTON
Indigenous Resistance of Informal Road Expansion in the Amazon Borderlands of Ucayali, Peru and Acre, Brazil.
FACULTY MENTOR: David Salisbury, Stephanie Spera
POSTER #36

ELSPETH COLLARD
FACULTY MENTOR: David Salisbury, Stephanie Spera
POSTER #37

LETICIA DE ALMEIDA SBROCCA
FACULTY MENTOR: David Salisbury, Stephanie Spera
POSTER #38
Poster Presentations

POSTER SESSION 1: 2:30-3:25 P.M.

COURTNEY SIMPSON
Campinus Katukina.
FACULTY MENTOR: Stephanie Spera, David Salisbury
POSTER #39

NATHAN WINIARSKI
Informal Roads in the Peruvian Amazon: An Ucayali Case Study.
FACULTY MENTOR: Stephanie Spera, David Salisbury
POSTER #40

TEREZA HERNANDEZ
The Geolocation of Social Media Posts about the Proposed UC-105/Interoceanica Centro Road in the Amazon Borderlands of Peru.
FACULTY MENTOR: Stephanie Spera, David Salisbury
POSTER #41

JONAH REISBOARD
FACULTY MENTOR: Dan Chen
POSTER #42

CAROLINE DAMIANI
Gabriel Boric & the Fearless Generation: A Generational Shift in Chilean Politics.
FACULTY MENTOR: Jennifer Pribble
POSTER #43

VAHN CORROTHERS, NATE JARED, HEIDI YUAN, YOUNG YAO, ELI CHANCEY, LU LIU
Distributed Denial of Service Attacks Through the Lens of Mathematical Game Theory.
FACULTY MENTOR: Michael Kerckhove
POSTER #44

PAEAN LUBY
Beyond the Neurons: Comparing the Cerebrovasculature of Wild and Lab Rats.
FACULTY MENTOR: Kelly Lambert
POSTER #45
SYDNEY BOEHMAN
The Effects of TBI on Post-traumatic Epilepsy.
FACULTY MENTOR: Paul Koch*, Shannon Jones
POSTER #46

EMMA KENNEDY
Effect of Sports Participation on Health Outcomes for Immigrant Youth.
FACULTY MENTOR: Volha Chykina‡, Christopher Von Rueden
POSTER #47

CARO BISESE
Resewing the Fabric of Femininity: the Evolution of Prada and the Role of Women’s Fashion in Feminism.
FACULTY MENTORS: Lidia Radi
POSTER #48

CLAIRE O’SHAUGHNESSY
The Project that Claire, Uh I Mean the Student Completed: Relative Clauses and Repair Disfluencies.
FACULTY MENTORS: Matthew Lowder
POSTER #49

EMMA HICKERSON
A psychological exploration of political polarization: the role of identity, (counter-) empathy, and social affiliation.
FACULTY MENTOR: Kristjen Lundberg
POSTER #50

JARED BRASSIL
FACULTY MENTOR: Kristjen Lundberg
POSTER #51

HELEN WALLACE
FACULTY MENTOR: Kristjen Lundberg
POSTER #52
WILSON BERRY  
The Effects of Diversity, Equity, and Inclusion Initiatives on Perceptions of LGBTQ+ Discrimination.  
**FACULTY MENTOR:** Kristjen Lundberg  
**POSTER #53**

MCKENNAH LAUBER  
Why Diversity is Not Enough: Perceptions of University Diversity, Equity, and Inclusion (DEI) Initiatives and Their Relationship to Institutional Belonging.  
**FACULTY MENTOR:** Kristjen Lundberg  
**POSTER #54**

KATHRINA DURANTE  
Perceiving the Poster: How Suspicion of Motives May Impact Perceptions of Potential Allies Engaging in Online Activism.  
**FACULTY MENTOR:** Kristjen Lundberg  
**POSTER #55**

EVE RIDENHOUR  
Hometown Diversity and Race Essentialism: Further Exploring the Role of High-Quality Interracial Friendships.  
**FACULTY MENTOR:** Kristjen Lundberg  
**POSTER #56**

PATRICK SUTPHIN  
Examining Spontaneous Neural Activity Patterns in Developmental Prosopagnosia Using Resting State EEG.  
**FACULTY MENTOR:** Maruti Mishra, Cindy Bukach  
**POSTER #57**

DANIELLE MAXWELL, LAUREN CARTER, AVERY ROTHSTEIN  
The Effect of Felt Misunderstanding on Self-Other Discrepancies in Pain Experience and Reporting: A Pilot Study.  
**FACULTY MENTOR:** Brandon Ng  
**POSTER #58**
POSTER SESSION 2: 3:30-4:25 P.M.

**JACK DUPUY**
FACULTY MENTOR: Todd Lookingbill
POSTER #1

**LIV CLAYTON, GRACE CHAHAL, LAY’LA HARMON**
Cognitive Interviewing to Gather the Public’s Views on Organ Donation.
FACULTY MENTOR: Camilla Nonterah
POSTER #2

**JENNA MILLER, ESTHER KIM**
Isolation of Soil Microbes and Screening for Antimicrobial Activity Against ESKAPE Pathogens.
FACULTY MENTOR: Jonathan Dattelbaum
POSTER #3

**SADIE WENGER**
Biophysical Characterization of a Putative Amino Acid Binding Protein from Thermotoga maritima.
FACULTY MENTORS: Jonathan Dattelbaum
POSTER #4

**MOHAMAD HUSSEIN, JOSEPH COYLE**
Alkylation of Amides with Allyl Propionates.
FACULTY MENTOR: Wade Downey
POSTER #5

**NICOLE SCHREIBER**
Insights into the Incorporation and Mutagenic Potential of OdGTP Using Nucleotide Analogues.
FACULTY MENTOR: Michelle Hamm
POSTER #6

**EVAN WOLFF**
Investigation of Para-methoxybenzylamines as Peptide-based Ceavable Linkers.
FACULTY MENTOR: Christopher Shugrue
POSTER #7
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

MARCOS HENDLER
Coupled Phosphorus-Bridging in Enediynes and the Bergman Cyclization.
FACULTY MENTOR: Carol Parish
POSTER #8

MADELINE BULLOCK, SALINA ADHANOM
Effects of Diesel on RAW 264.7.
FACULTY MENTOR: Shannon Jones
POSTER #9

TSERING COLE
Effects of Diesel Emission Particles on A549 Epithelial Lung Cell Line.
FACULTY MENTOR: Shannon Jones
POSTER #10

LINDSEY ABELLARD, JUDITH ASARE
Examining the Inflammatory Response of RAW264.7 Macrophages When Exposed to Woodsmoke.
FACULTY MENTOR: Shannon Jones
POSTER #11

ANNA LIU
Investigating the Effects of Woodsmoke Particulates on RAW 264.7 Mouse Cell Line and the Anti-Inflammatory Effects of EGCG.
FACULTY MENTORS: Shannon Jones
POSTER #12

ANH NGUYEN
Validation of Computational Models to Predict the Mutagenic Potential of Extractable and Leachable Compounds.
FACULTY MENTORS: Shannon Jones
POSTER #13

ELENA MECCHI, DAVID CARPIO
Ectopically Expressed, “Stiff-Necked” MYO10 is Capable of Carrying Out Some of the Functions of Wild-Type MYO10.
FACULTY MENTORS: Omar Quintero-Carmona
POSTER #14
AELAN SNYDER  
Investigations into the Calcium and Light-Chain Regulation of MYO10 Function on Filopodial Formation.  
FACULTY MENTORS: Omar Quintero-Carmona  
POSTER #15

JULIA MALACHOWSKI  
Early Life & Development of the Bluehead Chub Fish.  
FACULTY MENTOR: Isaac Skromne  
POSTER #16

BEZAWIT MULATU  
Characterization of Functionalized Carbon Dots and Their Interactions With Bone: Toward the Development of Bone-Specific Nanocarriers for Drug Delivery.  
FACULTY MENTOR: Isaac Skromne  
POSTER #17

OLIVER KLEMMER  
Namibian Nematode Niches: Application of Ecological Niche Modeling to Desert Soil Microbiota.  
FACULTY MENTORS: Amy Treonis  
POSTER #18

LONDON NEMMERS  
Drying Without Dying; Determining the Survival Strategy of a Namib Desert Nematode.  
FACULTY MENTOR: Amy Treonis  
POSTER #19

CHRISTOPHER RAWSON  
Characterization of a Novel Nematode (Panagrolaimus sp.) from the Namib Desert.  
FACULTY MENTOR: Amy Treonis  
POSTER #20

SOPHIA JACKSON  
Detection and Characterization of Wolbachia in Proturans.  
FACULTY MENTOR: Amy Treonis  
POSTER #21
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

HUNG PHAM
HAT Tip60 Down Regulation Effects on Degeneration in a Drosophila Model of Machado-Joseph Disease.
FACULTY MENTORS: John Warrick
POSTER #22

KELSEY HART
Regulation of CnC, the Oxidative Stress Response in a Drosophila Model for Machado-Joseph Disease.
FACULTY MENTOR: John Warrick
POSTER #23

SARAH CLARK
Machado-Joseph Disease in Drosophila Model: Increased HAT Tip60 Expression and Its Influence on Aggregation and Axon Blockages.
FACULTY MENTORS: John Warrick
POSTER #24

RYAN CVELBAR
FACULTY MENTORS: John Warrick
POSTER #25

MADDIE OLVEY
The Jōmon and Ancient Coastal Connections to Mainland East Asia.
FACULTY MENTORS: Melinda Yang
POSTER #26

ELENA ZERKIN
The Orthologous Gene in Drosophila persimilis for Roc1a in D. melanogaster.
FACULTY MENTOR: Melinda Yang
POSTER #27
SKYLER HE
Assessing Validity of Sample Groups in Studying Continuity in Zaprionus indianus of Virginia.
FACULTY MENTOR: Melinda Yang
POSTER #28

ARJUN GOSWITZ
Iron Oxide Nanoparticle and Cryoprotective Agent Quantification with NMR T1 Relaxometry and UV-vis Spectroscopy.
FACULTY MENTOR: Chris Stevenson, John Bischof*
POSTER #29

NOAH ROBINSON
Propensities for Halogen Bonding for Halides Bonded to Central Atoms Below Period 2.
FACULTY MENTOR: Kelling Donald
POSTER #30

DONOVAN HOILETTE
The Nature of Bonding of Group 5 Oxyhalides: Sigma-hole Interactions and Charge Transfer.
FACULTY MENTORS: Kelling Donald
POSTER #31

NAM PHAM
FACULTY MENTOR: Kelling Donald
POSTER #32

MACKEY SHERARD, HARRY DANG, SOPHIA REIFF
Detection of Neonicotinoids Using Functionalized Nanoparticles and Halogen Bonding.
FACULTY MENTOR: Michael Leopold, Jeffrey Simpson
POSTER #33

ALEX A. CONNORS
Alkylation of Ketones and Thioesters with Propargyl and Allyl Carboxylates.
FACULTY MENTOR: Wade Downey
POSTER #34
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

NEHAL ASIF  
CO2 Reduction Using an Organocatalyst.  
FACULTY MENTOR: Michael Norris  
POSTER #35

AAMY BAKRY  
Predicting the Energy Barrier of Bergman-Like Cyclization Reactions.  
FACULTY MENTOR: Carol Parish  
POSTER #36

KHANH VU  
Finding MEMO.  
FACULTY MENTOR: Carol Parish  
POSTER #36

SEBASTIAN MENDOZA-GOMEZ  
Spin Flip CCSD Characterization of Furan.  
FACULTY MENTOR: Carol Parish  
POSTER #37

MAAZ RAO  
Barriers Project.  
FACULTY MENTORS: Carol Parish  
POSTER #38

JOHN BLOBE  
Exploration of Heterocycles as Peptide-Based Cleavable Linkers.  
FACULTY MENTOR: Christopher Shugrue  
POSTER #39

LIZZY TAGGART  
Oxazoles as Cleavable Linkers for the Capture and Release of Peptides.  
FACULTY MENTOR: Christopher Shugrue  
POSTER #40
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

ASHLY AVILA, ABIGAIL DALTON
Reactivity of Sulfonamide Cleavage Reactions.
FACULTY MENTOR: Christopher Shugrue
POSTER #41

GRACE MARTIN
FACULTY MENTOR: Mary Finley-Brook
POSTER #42

MATTEO GONZALEZ
Testing the Accuracy of HOBO Data Loggers to Find the Best Snow Melt Metric.
FACULTY MENTOR: Todd Lookingbill
POSTER #43

ELLERY JACOBS
Tracking Community Dynamics of the True Fir-Western Hemlock Ecotone in the Western Cascade Mountains.
FACULTY MENTOR: Todd Lookingbill
POSTER #44

ANNA FORTUNATO, VAHN CORROTHERS, SHERRY QIU, JENNIE CAMPBELL, LEYAO LIANG, NEHA KALWALA
Exploring the Pipeline for Women in STEM and Related Fields.
FACULTY MENTOR: Della Dumbaugh, Maia Linask†
POSTER #45

YULIA SHATALOV, BELLA TOME
A Neurobiological Investigation of Unpredictable Positive Experience Responses (UPERs) in Female Rattus norvegicus.
FACULTY MENTOR: Kelly Lambert
POSTER #46

ELIJAH ESTOLL
Toward Faster Simulation of Cosmological Inflation in N-Dimensional Random Gaussian Fields with Algorithmic Data Compression.
FACULTY MENTOR: Emory (Ted) Bunn
POSTER #47
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

SANTIAGO MESSMACHER MONTES DE OCA
Gibbs Sampling.
FACULTY MENTOR: Emory (Ted) Bunn
POSTER #48

MANASA RAJEEV
Effect of Chain Entanglement on Mechanical Properties of Electrospun Polycaprolactone Fibers.
FACULTY MENTORS: Christine Helms
POSTER #49

ANNA MURDOCK, COLLEEN ASPELL
Do Traits of Autism Spectrum Disorder in the Typically Developing Population Relate to Early Face Processing as Measured by the N170 and N250 Neural Signals?
FACULTY MENTOR: Cindy Bukach
POSTER #50

HANNAH BEHAR
The Big Five and Dark Triad: The Role of Personality in the Development of Passion.
FACULTY MENTORS: Violet Ho†
POSTER #51

YUEYI FAN
FACULTY MENTOR: Laura Knouse
POSTER #52

YUEYI FAN, VALDEZ SAMPSON, ADITYA NARAYANAN
Psychometrics and Validation of a 2-Dimensional Revision of the ADHD Cognitions Scale (ACS-7) Using Ecological Momentary Assessment.
FACULTY MENTOR: Laura Knouse
POSTER #53

HOOR UL AIN
The Association Between Food Related Intrusive Thoughts (FRITs) and Affect.
FACULTY MENTOR: Laura Knouse
POSTER #54
Poster Presentations

POSTER SESSION 2: 3:30-4:25 P.M.

SAMARA ROSEN
The Role of Loneliness in the Relationship Between Social Media and Depression.
FACULTY MENTOR: Karen Kochel
POSTER #55

KATELYN SZARKO
Maladaptive Social Cognitions and Peer Victimization in Elementary-Aged Students.
FACULTY MENTOR: Karen Kochel
POSTER #56

JEAN PAUL DORION, EVELYN BARRINGER
The Diverse Brain: Neurological examination of Raccoon and Skunk Brains.
FACULTY MENTOR: Kelly Lambert
POSTER #57

DANIELLE MAXWELL
The Inescapable Stigma of a Label: Bias in the Perceptions of Felons’ Pain.
FACULTY MENTOR: Brandon Ng
POSTER #58
Poster Presentations

POSTER SESSION 3: 4:30-5:25 P.M.

MARY MANCHING
Asians in America SSIR Presentation.
FACULTY MENTOR: Tze Loo, Jennifer Erkulwater
POSTER #1

JADINE CAGUICLA
Asians in America SSIR Presentation.
FACULTY MENTORS: Tze Loo, Jennifer Erkulwater
POSTER #2

YESUEL JUN
Asians in America SSIR Presentation.
FACULTY MENTORS: Jennifer Erkulwater, Tze Loo
POSTER #3

AMAL ALI
Asians in America SSIR Presentation.
FACULTY MENTOR: Jennifer Erkulwater, Tze Loo
POSTER #4

CHISE UEDA
Asians in America SSIR Presentation.
FACULTY MENTOR: Jennifer Erkulwater, Tze Loo
POSTER #5

RIZZA MOJADOS
Asians in America SSIR Presentation.
FACULTY MENTOR: Tze Loo, Jennifer Erkulwater
POSTER #6

MARIAM LOMTADZE
Asians in America SSIR Presentation.
FACULTY MENTOR: Tze Loo, Jennifer Erkulwater
POSTER #7
Poster Presentations

POSTER SESSION 3: 4:30-5:25 P.M.

SANJNA KAUL
Asians in America SSIR Presentation.
FACULTY MENTOR: Tze Loo, Jennifer Erkulwater
POSTER #8

LILA TAYLOR, VIR SHANMUGAM, MILO MICHALCZEWSKI, SCHUYLER DOUCETTE
Attitudes Towards International Variations of New York City Englishes: A Perceptual Dialectology FYS Project.
FACULTY MENTOR: Elizabeth Kissling
POSTER #9

CHRISTINE KUYKENDALL, CONNER PARTIN, KATIE BLOOM
Attitudes About Dialects of the UK.
FACULTY MENTORS: Elizabeth Kissling
POSTER #10

MIA STAVOLA, MAIRIN CONRAD, STELLA (ZHOUIJI) WU, LEO CHEN
A Perceptual Dialectology Study of New York City Englishes.
FACULTY MENTORS: Elizabeth Kissling
POSTER #11

SIMRAN GUPTA, ISABELLA CASTILLO, MOHAMED ADAM
Analyzing Methods of Measuring HIV Viral Load.
FACULTY MENTOR: Shannon Jones, Michael Norris
POSTER #12

KEIANI NISTAL, SANSKRITI BASNYAT, JACOB MARTIN
SMART Labs Overview Spring 2023.
FACULTY MENTOR: Shannon Jones, Michael Norris
POSTER #13

REMI GRAFF, MIO MONTELONGO, SAM CHIAINO, CHRISTIAN FIGUEROA
The Evaluation of HIV in Biology and Chemistry.
FACULTY MENTOR: Shannon Jones, Michael Norris
POSTER #14
SHAKERA PATTERSON, NOOR ABDULLAH, SABRINA FERRER, DEVIN MORGAN
HIV and Infectious Diseases.
FACULTY MENTORS: Shannon Jones, Michael Norris
POSTER #15

HEIDI BEAL, BEN GRACE, JOSIAS COLLIER, LEAH SUGGS
SMART Investigations Into HIV.
FACULTY MENTOR: B. Daniel Pierce
POSTER #16

MARIANNE PACKER, ARIEL SEIDU, LAETICIA TAMUFOR
Exploration of the Biological Impacts of HIV.
FACULTY MENTORS: B. Daniel Pierce, Emma Goldman
POSTER #17

ISAAC HERNANDEZ, SOFIE ABERG, AVA FRODSHAM
Exploring the Mechanisms of HIV.
FACULTY MENTOR: B. Daniel Pierce, Emma Goldman
POSTER #18

PAIGE KOKOLIS, MADISON TRIPPETT, ISMAR ALICKOVIC, JUSTIN PARK
An Investigation into the Role of the Greb1 Gene in Tailbud Development in Zebrafish.
FACULTY MENTORS: Isaac Skromne
POSTER #19

CORINA STASIAK, OLIVIA BEATTY, AKRAM ALMANSOB, ALEXSAS MWANGO MISOKA
Investigating the Connection Between the Mllt3 and Cdx4 Gene in Zebrafish Embryonic Development.
FACULTY MENTOR: Isaac Skromne
POSTER #20

EVAN WOLFF, LIZZY TAGGART, NOLAN SYKES, JACKIE BISSO
Expression Analysis of Sp5I and Cdx4 Regulatory Network.
FACULTY MENTOR: Isaac Skromne
POSTER #21
TOM COLUCCI, MEGAN CARSON, ANUSH MARGARYAN, PETRA MIJIC
Exploring the Function of the CXCL12 Gene in Zebrafish Embryos.
FACULTY MENTOR: Isaac Skromne
POSTER #22

PAXTON MILLS, CHASE CRISTELLA, JOANNA MAS, KAITLYN CAMERA,
ZACHARY RUIGHAVER
Hook, Line, and Sinker: Surveying Seafood Mislabeling in the Greater Richmond Area.
FACULTY MENTOR: Carrie Wu
POSTER #23

ALIVIA PALALAY, PING YEN JEFF TSAI, FERNANDA MOYA-QUEZADA, CAITLYN HALL, ALEXANDRA SULLIVAN, KAIXIANG JASON LIANG
Something's Fishy.
FACULTY MENTOR: Carrie Wu
POSTER #24

JASON LIANG, JEFF TSAI, GAVIN CLAUSEN, ALIVIA PALALAY,
ALEXANDRA SULLIVAN, CAITLYN HALL, FERNANDA MOYAQUEZADA
Fish Mislabelling.
FACULTY MENTOR: Carrie Wu
POSTER #25

FELIX MINAMI, KINGSLEY DWOMOH, EVELYN RAMIREZ
Continuous Flow Synthesis of Polysubstituted Pyrroles.
FACULTY MENTOR: Raymond Dominey, Emma Goldman
POSTER #26

EVELYN RAMIREZ, KINGLSEY DWOMOH, FELIX MINAMI
Continuous Flow Synthesis of Chloroenals.
FACULTY MENTOR: Raymond Dominey, Emma Goldman
POSTER #27

CHARLES BIAKU, ANNA NGUYEN, NOAH NANEZ, JOCELYN SOLANO
The Machinations of HIV.
FACULTY MENTOR: B. Daniel Pierce
POSTER #28
SKY MARSICANO, MAYA ALLIONE  
Tiny Earth - Discovering and Isolating Antimicrobial Soil Bacteria Against Safe ESKAPE Pathogens.  
FACULTY MENTOR: Jonathan Dattelbaum, Shannon Jones  
POSTER #29

HANNAH LWIN, JIMMY CHENG  
Screening for Antibiotics... in Soil?  
FACULTY MENTORS: Jonathan Dattelbaum, Shannon Jones  
POSTER #30

CHLOE NGO, LEILA LIN  
Natural Solutions: Screening for Antibiotic Bacteria in Soil Samples.  
FACULTY MENTOR: Jonathan Dattelbaum, Shannon Jones  
POSTER #31

PETERSON HAAS  
Defining Mechanisms Driving the Initiation and Progression of Human Prostate Cancer.  
FACULTY MENTOR: B. Daniel Pierce, Omar Quintero-Carmona  
POSTER #32

ANUSH MARGARYAN  
The Role of NHE1 Activity in the Spindle Dynamics in Mouse Embryonic Stem Cells (mESCs).  
FACULTY MENTORS: Isaac Skromne, Diane Barber*  
POSTER #33

SAOIRSE LANDERS  
Investigating Cerium(IV) Antimicrobial Properties.  
FACULTY MENTOR: Dominique Williams  
POSTER #34

JOSHUA PANDIAN  
The effect of tick exposure on rodent gut microbiome composition.  
FACULTY MENTOR: Jory Brinkerhoff  
POSTER #35
MORIAM ANIMASHAUN
Markers of Epilepsy.
FACULTY MENTOR: Colleen Carpenter
POSTER #36

JERRY HE
Exploring Cold Tolerance Differences among Zaprionus indianus Populations using DAM system.
FACULTY MENTOR: Priscilla Erickson
POSTER #38

HALEY GLADDEN
Phenol Response Analysis of Insertions in the SIN node of the VirA Histidine Kinase.
FACULTY MENTOR: B. Daniel Pierce
POSTER #39

LAUREN KNOPP, DANNY FRASCELLA
Functional Analysis of Retinoic Acid Receptors in the Development of the Zebrafish Hindbrain and Spinal Cord.
FACULTY MENTOR: Isaac Skromne
POSTER #40

WESLEY TSAI
Role of cdx4 and sp5L in Zebrafish Development.
FACULTY MENTORS: Isaac Skromne
POSTER #41

MIDHUN SREE MANOJ
Downregulation of Oxidative Stress Regulator Keap1 in a Drosophila Model in MJD.
FACULTY MENTOR: John Warrick
POSTER #42

ANASTASIA SHEHADY
Effects of Acetyltransferase Tip60 on Synaptotagamin in D. melanogaster.
FACULTY MENTOR: John Warrick
POSTER #43
ALEX ROBERTSON
CD46 is a Protein Receptor for Human Adenovirus Type 64.
FACULTY MENTOR: Eugene Wu
POSTER #44

BRENDAN CROCKETT
Brains Gone Wild: Neurobiological Comparison Between Wild and Captive Rattus norvegicus.
FACULTY MENTOR: Kelly Lambert, Sarah Tryon
POSTER #45

GREG HUGHES, OLIVIA LAMBERTSON
Synthesis of 2,3-dihydroisoaxazoles from Ketones and N-benzyl nitrones.
FACULTY MENTOR: Wade Downey
POSTER #46

CHARLI CHEN
Spin Flip CCSD Characterization of Thiopehen.
FACULTY MENTOR: Carol Parish
POSTER #47

ABIGAIL DALTON, ASHLY AVILA
Reactivity of Sulfonamide Cleavage Reactions.
FACULTY MENTORS: Christopher Shugrue
POSTER #48

SOFIA DIMOTSI, ETHAN SWIFT
Studying ADHD Using Smartphone Sensing and Ecological Momentary Assessment (SASSEMA) IOS App Development.
FACULTY MENTOR: Shweta Ware
POSTER #49

SIMENG LI, RUIYI LIU, MENGLE HU
Analyzing the Statistical Effectiveness of Diagnostic Tests for COVID-19 Using the ROC Curve.
FACULTY MENTOR: Paul Kvam
POSTER #50
POSTER SESSION 3: 4:30-5:25 P.M.

NICOLAS FERREE
Constraining H0 Via Extragalactic Parallax.
FACULTY MENTOR: Emory (Ted) Bunn
POSTER #51

CHLOË STECKART, NATALIE BENHAM
How Self-reported Motivation to Control Prejudice in Biracial Individuals Influences Facial Processing Flexibility.
FACULTY MENTOR: Cindy Bukach
POSTER #52

RAZAN KHALIL
Disparities in Kidney Transplantation Access: A Focus on Disability Status and Other Identities.
FACULTY MENTOR: Camilla Nonterah, Shelby Smout
POSTER #53

HELENE LEICHTER
separate | SPHERES|
FACULTY MENTOR: Anne Van Gelder
POSTER #54

ALEX BROENING
Lighting Design for The Door Between Worlds and separate | SPHERES|.
FACULTY MENTORS: Maja White
POSTER #55

ELINA BHAGWAT
Vote Switching in the Warren Court – Civil Rights and Liberties.
FACULTY MENTOR: Jennifer Bowie
POSTER #56

ELIZA POLUKHIN
Who’s More Right.
FACULTY MENTORS: Jennifer Bowie
POSTER #57
KYLE PUCHALLA
Dissecting the Role of Serotonin Receptors in the Mechanism of Novel Antiepileptics Against Dravet Syndrome.
FACULTY MENTORS: Colleen Carpenter-Swanson
POSTER #58
5:30-7:30 P.M.

GOTTWALD ATRIUM

KEYNOTE ADDRESS BY ANDREW MARANTZ

Andrew Marantz is a staff writer at The New Yorker, where he has worked since 2011. His writing has also appeared in Harper’s, New York, Mother Jones, the New York Times, and elsewhere. He is the author of Antisocial: Online Extremists, Techno-Utopians, and the Hijacking of the American Conversation, which was published in 2019 and was named a best book of the year by the New York Times, Publishers Weekly, and many other publications.
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