## SURC ’18 @ Oneonta Conference Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Registration</td>
<td>8:00 am – 2:00 pm</td>
<td>Alumni Field House (AFH), Atrium</td>
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<tr>
<td>Continental breakfast</td>
<td>8:00 – 11:00 am</td>
<td>AFH, Dewar Arena</td>
</tr>
<tr>
<td>Poster Session I</td>
<td>9:00 – 11:00 am</td>
<td>AFH Dewar Arena</td>
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<tr>
<td>Oral Session I</td>
<td>9:00 – 10:30 am</td>
<td>Fitzelle Hall, various rooms</td>
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<tr>
<td>SUNY Graduate School Fair</td>
<td>10:30 – 11:30 am</td>
<td>Hunt Union (HU), International Lounge</td>
</tr>
<tr>
<td>Student Session I: “Do Your Research and Interview Like a Pro!”</td>
<td>10:30 – 11:30 am</td>
<td>HU, Butternut Valley Room</td>
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<tr>
<td>Faculty Session I – IDEA Trade: (a) Engaging Underrepresented Students in Applied Learning Opportunities (b) Mentoring Undergraduates Engaged in Creative Activities</td>
<td>10:30 – 11:30 am</td>
<td>HU, Union Square</td>
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<tr>
<td>Keynote Address SUNY Chancellor Kristina M. Johnson</td>
<td>11:30 am – 1:00 pm Registered guests only</td>
<td>HU, Ballroom (closed circuit viewing of keynote in IRC 1)</td>
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<tr>
<td>Luncheon</td>
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<tr>
<td>Coffee &amp; light refreshments</td>
<td>1:00 – 4:30 pm</td>
<td>AFH, Dewar Arena</td>
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<tr>
<td>SUNY Graduate School Fair</td>
<td>1:15 – 2:15 pm</td>
<td>HU, International Lounge</td>
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<tr>
<td>Student Session II: “So, You Want to Become an Entrepreneur?”</td>
<td>1:15 – 1:45 pm</td>
<td>HU, Butternut Valley Room</td>
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<tr>
<td>Student Session III: “Financing Your Graduate Education”</td>
<td>1:45 – 2:15 pm</td>
<td>HU, Butternut Valley Room</td>
</tr>
<tr>
<td>Faculty Session II – IDEA Trade: (a) Opportunities and Challenges in Mentoring Undergraduate Student Research (b) Strategies for Recruiting Research Participants</td>
<td>1:30 – 2:30 pm</td>
<td>HU, Union Square</td>
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<tr>
<td>Poster Session II</td>
<td>2:00 – 4:00 pm</td>
<td>AFH Dewar Arena</td>
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<tr>
<td>Oral Session II</td>
<td>1:15 – 2:45 pm</td>
<td>Fitzelle Hall, various rooms</td>
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<tr>
<td>Performance/Visual Art Session</td>
<td>3:00 – 4:30 PM</td>
<td>Fine Arts Building, various locations</td>
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<tr>
<td>Oral Session III</td>
<td>3:00 – 4:30 pm</td>
<td>Fitzelle Hall, various rooms</td>
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## OTHER SURC OFFERINGS / CAMPUS ACTIVITIES

- SURC Photo Booth (Alumni Field House)
- Campus Sustainability Tour (9:30 am – meet at Hunt Union)
- Special Planetarium Presentation (Science I Building, 1:00-2:00 pm) – reserved seating only
- Explore the A.J. Read Science Discover Center (Physical Science Building, open 10 am–5 pm)
- Art Exhibits (Fine Arts Building Galleries, open viewing)

*Annual Student Juried Art Exhibition* (Martin-Mullen Art Gallery)

*To Grow a Farmer*, photographs by Wesley Bernard (Project Space Gallery)

*Collaborations Project 2018*, class project/Rhea Nowak (Annex, Martin-Mullen Art Gallery)
WORKSHOPS / OTHER CONFERENCE OFFERINGS

SUNY GRADUATE SCHOOL FAIR
10:30-11:30 AM and 1:15-2:15 PM – International Lounge, Hunt Union,

Schools Represented
◊ Binghamton University
◊ Buffalo State College
◊ Fashion Institute of Technology, School of Graduate Studies
◊ Purchase College
◊ SUNY Cortland
◊ SUNY Geneseo
◊ SUNY New Paltz
◊ SUNY Oneonta
◊ SUNY Oswego
◊ University at Albany
◊ University at Buffalo

STUDENT SESSION I – “DO YOUR RESEARCH AND INTERVIEW LIKE A PRO!”
10:30-11:30 AM – Red Dragon Lounge, Hunt Union

Facilitators: Matthew Munson (Interim Director, Career Development Center, SUNY Oneonta)
Cassandra Mullinnex (First Destination Assessment Coordinator, SUNY Oneonta)

This workshop will focus on what employers and graduate programs are looking for from candidates during the interview process. Information will include how to prepare for an interview, common interview questions and answers, and follow up procedure after the interview. Participants can practice their interviewing skills during an interactive portion of the workshop. Workshop attendees will receive login information for InterviewStream, a free online interactive interviewing preparation tool, to hone their interview skills anytime and anywhere.

FACULTY SESSION I – “IDEA TRADE”
10:30-11:30 AM – Union Square, Hunt Union

Join faculty from across SUNY for roundtable discussions led by SUNY Oneonta faculty facilitators. Small table chat will enable participants to learn about each other’s work connected to the table topic and share great ideas to further develop your own work.

(a) “Engaging Underrepresented Students in Applied Learning Opportunities”
Facilitators: Dr. Eileen Morgan-Zayachek (Associate Provost for Academic Programs)
Dr. Kjersti VanSlyke-Briggs (Director, Faculty Center, SUNY Oneonta)

(b) “Mentoring Undergraduates Engaged in Creative Activities”
Facilitator: Dr. Joseph Pignato (Professor of Music)

STUDENT SESSION II – “SO, YOU WANT TO BE AN ENTREPRENEUR?”
1:15-1:45 PM – Red Dragon Lounge, Hunt Union

Facilitator: Chuck Schwerin (Certified Business Advisor, Small Business Development Center, Binghamton University)

Entrepreneurs are a different breed. They are focused, motivated, and represent an important engine of economic growth. Typically, they are also ill-prepared to move from concept to commercialization, often under-capitalized, uncertain how to operate when they “open their doors,” unsure how to protect their uniqueness, or where to look for help. This presentation explores the road map a budding entrepreneur may use to avoid pitfalls and enhance their ability to succeed.

STUDENT SESSION III – “FINANCING YOUR GRADUATE EDUCATION”
1:45-2:15 PM – Red Dragon Lounge, Hunt Union

Facilitators: Christina Roarke (Executive Director of Financial Aid & Senior Enrollment Management Officer, SUNY Oneonta)
Dr. Kimberly Kline (Associate Professor of Higher Education Administration, SUNY Buffalo State)

Interested in attending a SUNY Graduate School but not sure how to pay for it? This student informational session, led by two Higher Education professionals, will introduce you to the types of financial aid available for graduate study and offer tips for finding and securing graduate assistantships.
FACULTY SESSION II – “IDEA TRADE”
1:30–2:30 PM – Union Square, Hunt Union
Join faculty from across SUNY for roundtable discussions led by a SUNY Oneonta faculty facilitator. Small table chat will enable participants to learn about each other’s work connected to the table topic and share great ideas to further develop your own work.
(a) “Opportunities and Challenges in Mentoring Undergraduate Student Research”
   Facilitator: Dr. Florian Reyda (Associate Professor of Biology, Research Committee Chair)
(b) “Strategies for Recruiting Research Participants”
   Facilitator: Dr. Katherine Lau (Assistant Professor of Psychology)

OTHER OFFERINGS

Campus Sustainability Tour
9:30 am – meet at Hunt Union
Take a 45 minute walking tour of SUNY Oneonta with student sustainability leaders to learn how sustainability is being infused into the infrastructure, operations and student engagement initiatives on campus. Visit a student-run composter, a storm water interception project, an energy dashboard, and more!

Special Planetarium Presentation: Interdisciplinary Collaborations in Deep Space Simulation
1:00–2:00 pm – Science I Building (reserve tickets at the Science Discovery Center demo table during Poster Session I in the Field House, or through SUNY Oneonta poster presenters in physics and astronomy)
The SUNY Oneonta Planetarium has been creating its own original content, including cutting-edge simulations, musical scores and data sonifications. This show will provide an overview of how we put our digital planetarium to use for research, teaching and outreach, and this journey will take us to the far edge of the known universe. SUNY Oneonta’s planetarium features the Evans & Sutherland Digistar 5 model, one of the world’s most advanced full dome digital theater systems, with a projector system capable of bringing sharp views of the stars, planets, constellations visible in the night sky. The system can also show 3-D, IMAX-style movies and animations, providing a complete planetarium show experience. It consists of two digital projectors and a full audio soundboard.

SURC Photo Booth
Alumni Field House
Strike a pose and preserve your memories of SURC!

Explore the A.J. Read Science Discovery Center
Physical Science Building, open 10 am–5 pm
For almost three decades the A.J. Read Science Discovery Center at SUNY Oneonta has been the go-to resource for hands-on science fun in the region. Our portable demonstration Electricity Alive! will be running throughout the morning poster session, and the Center itself, in the newly-renovated Physical Science building, will be open for visits from 10 am – 5 pm.

Art Exhibits
Fine Arts Building Galleries, open viewing
Annual Student Juried Art Exhibition (Martin-Mullen Art Gallery)
To Grow a Farmer, photographs by Wesley Bernard (Project Space Gallery)
Collaborations Project 2018, class project/Rhea Nowak (Martin-Mullen Art Gallery Annex)
MORNING ORAL PRESENTATIONS (SESSION I)
9:00 – 10:30 AM (Fitzelle Hall)

Room 203  1A – BIOLOGY/CHEMISTRY

The Effect of Water Availability on Reproductive Outcomes in Bean Beetles
Nicole Javaly, Leah McCormick, Peter Wegrzyn (SUNY Oneonta)
Mentor: Elizabeth Bastiaans

Nitrogen Fixing Trees Influence Recruited Biodiversity in Regenerating Neo-Tropical Rainforest
Griffith Keating (Purchase College)
Mentor: Allyson Jackson

Possible Correlations between Populations of Japanese Knotweed and Ticks in New York State
Richard Dennison (SUNY Oneonta)
Mentor: Tyra Olstad

Analysis of Microcystis Aeruginosa Growth Before/During and After Formation of Algal Bloom near New Paltz Garden for Nutrition
Edison Tenecela (Rockland Community College)
Mentor: Jillian Decker

GC/MS Analysis of Hydraulic Fracturing Components
Mark Difulvio (SUNY Oneonta)
Mentor: Ronald Bishop

Differentiation of Human Blood from Potential False Positive Substances Using Raman Spectroscopy and Chemometrics
Robert Rosenblatt (University at Albany)
Mentor: Igor Lednev

Room 306  1B – ECONOMICS

The Impact of Labor Rights on Equity Returns: A Cross-Country Analysis
Robin Lieb (University at Albany)
Mentor: Rita Biswas

The Impact of Banking Regulations and Deregulations on the Stock and Housing Market
Anthony Vecere (SUNY Oneonta)
Mentor: Fan Chen

How Do Stockholders Value Firm’s Hedging Activity?
Cassandra Alexandre (SUNY Oneonta)
Mentor: Fan Chen

Analyzing the Relationship Between Capital Adequacy Ratios, CCAR, and the Systemic Model of Banking Originated Losses (SYMBOL)
Peter DiBernardi (University at Albany)
Mentor: Rita Biswas

Estimating Implied Risk Premia using Short-Term Interest Rate Models
Michael Spellane (University at Albany)
Mentor: Lewis Segal

The Fourth Industrial Revolution: Are Robots Taking Our Jobs?
Adan Cid-Gonzalez (Purchase College)
Mentor: Liya Palagashvili
**Room 305**

**Independent Film Finance**
- Catherine Athas (Purchase College)
  Mentor: Cedric Ceulemans

**LIVING STRANGE, a young adult novel**
- Allison Giese (SUNY New Paltz)
  Mentor: Larry Carr

**23rd and 9th, a short story by Gordon W. Brown**
- Gordon W. Brown (SUNY Empire State College)
  Mentor: Cynthia Bates

**Voice Stereotypes in Film/Animation of Non-Human Characters in English and Spanish**
- Paola Alba Rincon (Purchase College)
  Mentor: Paula Halperin

**"Do Not Eat of this Tree. Come, Instead, and Dine with Me": The Significance of Food Imagery in the Bible**
- Julia Guyon (Westchester Community College)
  Mentor: Mira Sakrajda

**Autonomous Sea Scooter**
- Nicole Megale, Daniel Press, Jordan Formicola, Paul LaFrancesca (SUNY Maritime College)
  Mentor: Yaqub Amani

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**Room 207**

**Hallowing the Hall: The True Origins of Baseball’s Hall of Fame and Museum**
- Tierney Lynch (SUNY Oneonta)
  Mentor: William Simons

**Timeline of 20th Century American Music**
- Tyler Simpson (SUNY Delhi)
  Mentor: Terry Hamblin

**Isaac Mayer Wise: The Story of 19th Century Jewish American Unity through Pragmatic Nationalism**
- Ryan Fox (University at Albany)
  Mentor: Ryan Irwin

**Violent Oppression in Dominican-Haitian Relations: A Historical Analysis**
- Jordyn Fradenburgh (SUNY Oneonta)
  Mentor: Betty Wambui

**Rhetoric of the Revolution: A thematic analysis on the politics of the Green Revolution**
- Rebecca Rogers (SUNY Oneonta)
  Mentor: Rahul Rastogi

**The Stimulating Factors that Contributed to the Widespread Convergence Across States During the 1940s**
- Brittany Williams (SUNY Oneonta)
  Mentor: Paul Bauer

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**Room 204**

**The Accuracy of Stereotypes Associated with the Fans of Different Genres of Music**
- Tiana Pistillo (Purchase College)
  Mentor: Meagan Curtis

**Attachment Insecurity and Attentional Biases for Emotional and Attachment-Related Stimuli**
- Elizabeth Eng (Purchase College)
  Mentor: Suzanne Clerkin

**Attachment Styles, Continuing Bonds, and Personal Growth in the Bereaved**
- Julia Williams (Purchase College)
  Mentor: Suzanne Clerkin
Transforming Student Athletes into Effective Gatekeepers Through Virtual Role Play  
Nikita Khalid (CUNY Baruch College)  
Mentor: Glenn Albright

Investigating the Power Harvesting Potential of Mini Bladeless 3D-Printed Turbines  
James Araneo, Ashwin Validya (SUNY New Paltz)  
Mentor: Rachmadian Wulandana

Room 206  

Korean Feminism: Unresolved Gender Issues Dragging Korea’s Societal Evolution (Sickening Privilege: Walls Piled Around Women in South Korea)  
Gunhyung Park (Morrisville State College)  
Mentor: Rachelann Copland

Kayla Belush (SUNY Oneonta)  
Mentor: Alejandra Escudero

Breaking Silent Borders: Women, Migration, and Institutions  
Janine Cardoso (SUNY Oneonta)  
Mentor: Beniam Awash

Towards Re-embodiment: Creating Through the Body in the Wake of Trauma  
Hannah Ward (SUNY New Paltz)  
Mentor: Jessica Pabón

The Food Gap: Examining the Effects of Food Deserts in the United States  
Caleb Peddie (Westchester Community College)  
Mentor: Mira Sakrajda
# MORNING POSTERS (SESSION I)

9:00 – 11:00 AM (Dewar Arena, Alumni Field House)

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<thead>
<tr>
<th>POSTER LOCATION</th>
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<tr>
<th>Title</th>
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<tbody>
<tr>
<td><em>AJ Read Science Discovery Center’s Static Electricity and Plasma Demo: A Hands-on Experience</em></td>
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<tr>
<td>Kaitlyn Miller, Lynsey Buckley, Sarah Newtown (SUNY Oneonta)</td>
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<td>Mentor: Douglas Reilly</td>
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<tr>
<td><em>The Futuristic Hand</em></td>
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<tr>
<td>Jose Figueroa (SUNY Oneonta)</td>
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<tr>
<td><em>The Economics of Hurricanes</em></td>
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<tr>
<td>Clive Griffiths II (Purchase College)</td>
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<tr>
<td>Mentor: Cedric Ceulemans</td>
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<tr>
<td><em>The Impact of Federal Government Shutdowns on Stock Markets</em></td>
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<tr>
<td>Brandon Slutsky (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Fan Chen</td>
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<tr>
<td><em>Analysis of the Impact of the Tax Cuts and Jobs Act of 2017 on the Stock Prices of Publicly Traded U.S. Firms</em></td>
<td>5</td>
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<tr>
<td>Daniel Furtado (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Dona Siregar</td>
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<tr>
<td><em>Governance Effect on Economic Growth</em></td>
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<tr>
<td>Katherine Buher (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Gina Keel</td>
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<tr>
<td><em>The Failure of Lehman Brothers: What are Lessons?</em></td>
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<tr>
<td>Kayla Paul (SUNY Old Westbury)</td>
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<td>Mentor: Lawrence Krause</td>
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<td><em>Diversifying Protein Structure Predictions in Foldit, a Human Computation Game</em></td>
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<tr>
<td>Jordan Billups (Purchase College)</td>
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<tr>
<td>Mentor: Jeanine Meyer</td>
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<td><em>The Effect of Environmental Enrichment on Ethanol Consumption in Adolescent Female Rats</em></td>
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<tr>
<td>Johanna Hernandez, Jaimee Carroll (SUNY Cortland)</td>
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<td>Mentor: Joshua Peck</td>
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<td><em>The Role of ChREBP in Glucose-Activated Lipolysis</em></td>
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<td>Gleb Mordovskoi, Nicole Traver (SUNY Oneonta)</td>
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<td>Mentor: Allan Green</td>
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<tr>
<td><em>Structural investigations on ER membrane complex subunit 9</em></td>
<td>11</td>
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<tr>
<td>Caleigh-Shea Murphy, Bridget Wilcox (SUNY Oneonta)</td>
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<td>Mentor: Kelly Gallagher</td>
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<td><em>Effect of Resource Availability on Male Mate Choice in Bean Beetles</em></td>
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<tr>
<td>Cameron O’Loughlin (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Elizabeth Bastiaans</td>
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<td><em>Perception of Deer by Members of the SUNY Oneonta Community</em></td>
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<tr>
<td>Pamela Sakiel (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Tsitsi McPherson</td>
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<td><em>The Effects of Biodiversity on United States National Park Visitation</em></td>
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<tr>
<td>Frank Annicaro (SUNY Oneonta)</td>
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<td>Mentor: Philip Sirianni</td>
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<td><em>Reproductive Cost in the Gymnosperm Tsuga Canadensis</em></td>
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<tr>
<td>Alyssa Mohammed (SUNY Oneonta)</td>
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<tr>
<td>Mentor: Sean Robinson</td>
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</table>
**M1 and M2 Genes in Drosophila melanogaster Plasmocytes: What Are They Doing?**
Fernando Peralta (SUNY Oneonta)
Mentor: Junryo Watanabe

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**Fullness of the Stomach of Hemigrapsus sanguineus Varies within the Intertidal Gradient**
Sean Sandell (Purchase College)
Mentor: George Kraemer

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**A New Species of Tapeworm from the Leopard Whipray, Himantura leoparda, from Australia**
Daniela Aguilar Lua (SUNY Oneonta)
Mentor: Florian Reyda

18

**Elliptio complanata Survivorship and Host Availability in Otego Creek (Otsego County), New York**
Taylor Held, Gabriella Scott (SUNY Oneonta)
Mentors: Fred Zalatan, Paul Lord

19

**Age Distribution and Growth of Walleye (Sander vitreus) in Otsego Lake, NY**
Anastasia Youngs, Justin Hulbert (SUNY Oneonta)
Mentor: Daniel Stich

20

**Comparing eDNA-based Estimates of Abundance to Pitfall Trap Estimates for Spotted Salamanders (Ambystoma maculatum) in a vernal pool system**
Emma Thompson (SUNY Oneonta)
Mentor: Elizabeth Bastiaans

21

**SUNY Oneonta Dendrology Internship**
Barbara Davaros, Mary Alexia Iuni (SUNY Oneonta)
Mentor: Sean Robinson

22

**The Influence of Music Tempo on Running**
Shaniell Wright (Purchase College)
Mentor: Meagan Curtis

23

**Does Exercise in the Cold Affect Peak Expiratory Flow Rate?**
Emily Godin (SUNY Cortland)
Mentor: James Hokanson

24

**Pediatric Growth Charts in Distinct Countries**
Tiffany Wright (Purchase College)
Mentor: Knarik Tunyan

25

**The Effects of Benzophenone-3 on Neonatal Ovaries**
Coreena Monroe (SUNY Oneonta)
Mentor: Kristen Roosa

26

**The Effect of Various Gluten-Free Flours on Vegan Brownies**
Robyn Margolin (SUNY Oneonta)
Mentor: Alexandra Nicolette

27

**Avocado as a Fat Replacement Brownies**
Emily Shaver (SUNY Oneonta)
Mentor: Alexandra Nicolette

28

**Whey Protein as a Gluten Substitute in Donuts**
Caroline Caluori, Emily Tarantino, Rachel Wilson (SUNY Oneonta)
Mentor: Alexandra Nicolette

29

**Design and Synthesis of Ferrocenyl-substituted Asymmetric N-heterocyclic Carbenes**
Kristina Freshour (SUNY Oneonta)
Mentor: Maurice Odago

30

**An Augmentation Extending the Suitable Viscosity Range for a Benchtop Viscometer**
Vaughan Clewis (SUNY New Paltz)
Mentor: Kevin Shanley

31
Rhenium (1) Tricarbonyls and Their Applications in Anion Sensing and CO2 Reduction
   Daniel Saugar (SUNY Oneonta)
   Mentor: Maurice Odago

Free-Radical Interactions Between Brines and Propane
   Christa Decker (SUNY Oneonta)
   Mentor: Ronald Bishop

Synthesis and Studies of Thiourea and Amidothiourea based Anion Sensing Receptors
   Henry Hance (SUNY Oneonta)
   Mentor: Maurice Odago

Pre-Service Earth Science Teachers Design and Build New Models to Represent Complex Concepts
   Carlie Perretta (SUNY Oneonta)
   Mentors: James Ebert, Paul Bischoff

Real-time Magnetic Field Monitor
   Christian Brady-Alvarez, Jensen Romero, Dario Cano Nolasco, Rutherford Mondesir
   (SUNY Maritime College)
   Mentor: Yaqub Amani

Climate Change: What do Students Believe?
   Elyse Tripp, Joel Hernandez, Calvin Rong, Carolyn DeLaMata (CUNY Baruch College)
   Mentor: Mindy Engle-Friedman

Coastal Zone Changes of Long Beach, NY
   Matthew Possidel (SUNY Oneonta)
   Mentor: Tyra Olstad

Examining Hurricane Track Length and Stage Duration Since 1980
   Dustin Pennington, Katrina Fandrich (SUNY Oneonta)
   Mentor: Melissa Godek

Columbia Glacier, Canada: A New View
   Cameron French (SUNY Oneonta)
   Mentor: Paul Baumann

Urban Heat Island under Flood Conditions
   Dakota Bailey (SUNY Oneonta)
   Mentor: Paul Baumann

Urban Heat Island: Seasonal Variations
   Sunny Chung (SUNY Oneonta)
   Mentor: Paul Baumann

Synoptic Weather Patterns Leading to Lake-Effect Snowfall in Syracuse, NY
   Katrina Fandrich (SUNY Oneonta)
   Mentor: Chris Karmosky

Analyzing the Success of Farm-to-table Movements
   Elaine Herron (SUNY Oneonta)
   Mentor: Tyra Olstad

Organic: Buzz Word or Beneficial?
   Ceili Getman (SUNY Oneonta)
   Mentor: Tyra Olstad

How Big are Your Dragon Paws? An Ecological Footprint Assessment of SUNY Oneonta
   Jonelle Reyes (SUNY Oneonta)
   Mentor: Tsitsi McPherson

Dynamic Optimization in Natural Resource Management
   Emily Giordano, Tunisia Solomon (Farmingdale State College)
   Mentor: Worku Bitew
Reduction and Management of Food Waste at SUNY Oneonta
Jordan Gougler (SUNY Oneonta)
Mentor: Tyra Olstad

A Consumer's Guide to Greenwashing: Helping Customers Make Wise Choices
Spencer Chamow (SUNY Oneonta)
Mentor: Tyra Olstad

Options for a Comprehensive Pedestrian Plan for SUNY Oneonta
Elisabeth Wilson (SUNY Oneonta)
Mentor: Tyra Olstad

Small-Scale Tesla Turbine Redesign with Removable Rotor Configuration
Megan Gangewere (SUNY New Paltz)
Mentor: Rachmadian Wulandana

Building a Drone With a 3D Printer
John Sobell (Purchase College)
Mentor: Tunyan Knarik

Fluid Flow and Structural Analysis of a Mini Solar Chimney
Rushi Patel, Amr Abdo (SUNY New Paltz)
Mentor: Rachmadian Wulandana

Dual Axis Solar Tracking and Microgrids
Rohhullah Mashriqi, Nico Eden, Suhaib Awan, Anglin Harris (SUNY Maritime College)
Mentor: Yaqub Amani
Mentor: Paul French

The Kinematics and Dynamics of the Spinning Top
Abigail White, Cass Szkokdinsky (SUNY Oneonta)
Mentor: Paul French

Solar-Powered Portable Medical Cooler Using Thermoelectric Cooling (TEC)
Adama Ouedraogo, Faramarz Vaziri (SUNY New Paltz)
Mentor: Rachmadian Wulandana

Study of the Output Characteristics of a Continuous Wave CO2 Laser
Eian Trenkle (SUNY Oneonta)
Mentor: Sunil Labroo

Dielectric Response Uncoupled from Strain Tensor for Relaxor Ceramics
Jenna Metera (Alfred University)
Mentor: Steven Pilgrim

Constructing a Model of the Motions of the Pendulum
Lilibeth Torres (Farmingdale State College)
Mentor: Irina Neymotin

Accessibility of Mathematical Notation
Phuong Nguyen (SUNY Oneonta)
Mentors: Chilton Reynolds, Tim Ploss

Playing Tic Tac Toe with Nao, the Humanoid Robot
Brendan Bonura, Juan Sanchez (SUNY Oneonta)
Mentor: Sen Zhang

Data Acquisition and Analysis of 3D-Printed Tesla Turbines and Vortex-Induced Auto-Rotating Turbines
David Foote (SUNY New Paltz)
Mentor: Rachmadian Wulandana

The Influence of Goal Types on Brand Roles Preference
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Kelsey Supple (SUNY Oneonta)
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Sunny Chung (SUNY Oneonta)
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Analyzing the Effects of Social Interactions from High School to College
Brittany Bastidas, Megann Orton, Martin Sak (SUNY Oneonta)
Mentor: Jen-Ting Wang

New Orleans: From City to Sea
Kyle Dudgeon (SUNY Oneonta)
Mentor: Wendy Lascell

Cultural Development in the Lower Ninth Ward of New Orleans
Joe LaCourt (SUNY Oneonta)
Mentor: Wendy Lascell

Hunting and Gathering Up the Truth: Taking a Shot at Understanding Prehistoric Life in Upstate New York
Kaitlyn Miller (SUNY Oneonta)
Mentor: Renee Walker

Bottles in Albany: What They Can Tell Us about Consumerism in the 1800s
Cody Ng (University at Albany)
Mentor: Marilyn Masson

The Persistence of Tradition: Shamanism in K-Dramas
Shelby Schulz (SUNY Oneonta)
Mentor: Sallie Han

Inhuman Target: Zombies, Gun Culture, and White Masculinity
Vico Vecchiotti (SUNY Oneonta)
Mentor: Tracy Betsinger

Kennewick Man: A Forensic Facial Reconstruction
Juliet Morin (SUNY Oneonta)
Mentor: Tracy Betsinger

Narrowing the Gap
Henry Feist (SUNY Oneonta)
Mentor: Wesley Bernard

NAMM 2018
Tyler Burke, Nicholas Freiman, Derek Moss (SUNY Oneonta)
Mentor: Nancy Tarr

Little Monk
Xiaoyi Zeng (SUNY Oneonta)
Mentor: Jian Cui
THE EFFECT OF METHOPRENE ON THE JAK/STAT PATHWAY IN DROSOPHILA
Carolyn McGrail (CUNY Baruch College)
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DEVELOPMENTAL LEAD EXPOSURE ALters Rodent Maternal Pup Retrieval Disrupting Adolescent Social-Play
Isra Ahmed, Eddy Barrera, Jalen Bonitto, Teddy Dacius, Nimra Hameed, Asma Iqbal, Tokunbo Jose, Sukhpreet Kaur, Eric Khairi, Kirsten Lynch, Samantha Rubi, Jourvonn Skeen (SUNY Old Westbury)
Mentor: Lorenz Neuwirth

CAN DISRUPTION OF AN ANT-PLANT MUTUALISM EXPLAIN LACK OF RECOVERY OF FOREST HERBS IN POST-AGRICULTURAL FORESTS OF NEW YORK?
Nathan Kiel, Geoffrey Griffiths (SUNY College of Environmental Science and Forestry)
Mentor: Gregory McGee

ECONOMIC IMPACTS OF THE NORTH AMERICAN BEAVER (CASTOR CANADENSIS) POPULATION ON THE GREAT SWAMP
Haley Brown (Purchase College)
Mentor: Cedric Ceulemans

INTERN CONTRIBUTION TO SALT MARSH ENVIRONMENT RESTORATION ON LONG ISLAND
Nimal de Lanerolle, Gabriella Marino, Nicholas Cormier (Suffolk County Community College)
Mentor: Marriane McNamara

WATER QUALITY ALONG THE NORTH CHUCATANUNDA CREEK USING COLIFORM, E. COLI AND ENTEROCOCCUS BACTERIA AS REPORTERS
Lyndsey Wanits, Barbara Brabetz (SUNY Cobleskill)
Mentor: Neil Law

MODELING A ROBOTIC APPLICATION VIA DISCRETE EVENT SIMULATION
Joab Dorsainvil (Farmingdale State College)
Mentor: Gonca Altuger-Genc

BACTERIAL FUEL CELL
Afsana Nizamudeen, Gowtham raaj Kalarani Mugundan (Farmingdale State College)
Mentor: Hazem Tawfik

MULTI-WAVELENGTH ANALYSIS OF GALAXY CLUSTER ASSEMBLY
Bazit Bisiolu (Farmingdale State College)
Mentor: Edmund Douglass

SYSTEM ON CHIP IMPLEMENTATION OF A MULTILAYER PERCEPTRON
Anthony Carvino, Thomas Coppola (SUNY New Paltz)
Mentor: Yi-Chung Chen

THE EFFECTS OF TEAM W:L ON INDIVIDUAL MOTIVATION AND PERFORMANCE
Stephanie Bailey (SUNY Old Westbury)
Mentor: Lorenz Neuwirth

COGNITIVE DEPLETION AFTER RACIALLY STRESSFUL INTERACTIONS: THE ROLE OF INTERNALIZED RACISM
Pamela Colón Grigas (Purchase College)
Mentor: Krystal Perkins

NEUROPHYSIOLOGICAL RESPONSES TO ATTACHMENT-RELATED INFORMATION IN THE RECENTLY BEREAVED
Abbey Willis (Purchase College)
Mentor: Suzanne Clerkin
**Characterizing Visual Eye Tracking Differences in Students with and without Disabilities:**
An Assessment for Predicting Prescriptive Visual Accommodative Technologies
Nicole Albanese, Stephanie Bailey, Anders Chan, Sabrina Colomone, Stacey DeFelice, Rui Freitas, Katherine McCabe, Runi Mukherji, Lillian Park, Ravi Ramdhari (SUNY Old Westbury), Harnoor Singh (Herricks HS), Sharon Thomas (SUNY Old Westbury)
Mentor: Lorenz Neuwirth

**MAMORU: Using Research Methods to Design Mobile Services that Personify Trust for Travel Bags**
Kelvin Carrion, Zohal Azimi (Farmingdale State College)
Mentor: Brian O'Keefe

**ADHD: Breaking the Fourth Wall of Stigmas and Stereotypes**
Paul Murillo (Nassau Community College)
Mentor: Andrew Puryear

Room 202

**Jewish Feminism in the Age of Trump**
Miriam Ehrlich (SUNY New Paltz)
Mentor: Jessica Pabón

**Women of Color Feminisms in Academic Spaces**
Justine Veras (SUNY New Paltz)
Mentor: Jessica Pabón

**How Linguistic Framing Influences Blame Attribution and Attitudes Towards Law Enforcement**
Jada Cheek (Purchase College)
Mentor: Stephen Flusberg

**Assia Djebar and Veiling in Algeria**
Dolan Wells Gallagher (Purchase College)
Mentor: Gaura Narayan

**Judgment and Commentary: Measure for Measure as a Tool of Social Commentary**
Alexander Bennett (Ulster County Community College)
Mentor: Jennifer Kaufman

**Chronic Effects: Cyclical Outcomes of Sexual Victimization in College Students**
Charis Turner (Purchase College)
Mentor: Christopher Williams

Room 207

**Aaron Burr: Villain To Hero Upgrade**
Barbara Pralat (SUNY New Paltz)
Mentor: Susan Lewis

**Mad Love**
Gabriella Mayers (Suffolk County Community College)
Mentor: Raymond DiSanza

**One Nation, Indivisible: A Rebuttal to the Concept of Secession in the United States**
Kenneth Sandoval (Westchester Community College)
Mentor: Mira Sakrajda

**Performance, Trauma and Identity: Looking at the Reign of William the Conqueror in the aftermath of Prince Cnut**
Reuben Slater (SUNY New Paltz)
Mentor: Michael Vargas

**Food Insecurity in Developing Countries**
Prince Ababio (Westchester Community College)
Mentor: Mira Sakrajda
The Keeper of the Belt: Exploring Objects, Family, and the Russian Diaspora
   Carina Kohn (SUNY New Paltz)
   Mentor: Cyrus Mulready

Room 203

The Effect of Macroeconomic Activity on Climate Change
   Danielle Carollo (SUNY New Paltz)
   Mentor: Simin Mozayeni

Analysis of Blind Brook Water Quality Affected by Urban Stormwater Runoff
   Camille Rossiello (Purchase College)
   Mentor: Ryan Taylor

Cost Analysis and Evaluation of Integrated Gasification, Internal Combustion Engine, and Electrical Generator Systems to Produce Bio Electricity
   Nishanth Balu, Vigneshwaran Madhanagopal, Roberto Luna (Farmingdale State College)
   Mentor: Hazem Tawfik

Nutrition and Pregnancy
   Isatou Dukureh (Westchester Community College)
   Mentor: Mira Sakrajda

Minocycline Plus N-Acetylcysteine Modulates Neuroinflammation and Limits Gray Matter Injury When First Dosed 3 Days Post-Injury
   Jemema Joya (CUNY Lehman College)
   Mentor: Peter Bergold

AFTERNOON ORAL PRESENTATIONS (SESSION III)
3:00 – 4:30 PM (Fitzelle Hall)

Room 304

CCRABSS 2017: Creating Collaboration in Research Among Bahamian and SUNY Oneonta Students
   Finella Campanino, Lauren Forchette, Kathryn Manizza (SUNY Oneonta)
   Mentor: Tami LaPilusa

Inner Metropolis: New Connections between Human Microbiota and Health
   Kaitlyn Doherty, Jaclyn Ruhl (SUNY Oneonta)
   Mentor: Donna Vogler

Quantifying the Responsiveness of Horses to Rein Aids when Bit Placement is Changed
   Elizabeth Johnson-Walsh (SUNY Cobleskill)
   Mentor: Kimberly Tarvis

Synthesis of Phenylsemicarbazones and Phenylthiosemicarbazones: Comparison of Green and Literature Methods
   Wilaysha Evans, Rebekah Finster (SUNY Oneonta)
   Mentor: Jacqueline Bennett

The Effects of Curcumin on Oxidative Phosphorylation and Glycolysis
   Finella Campanino, Leslie Sawyer (SUNY Oneonta)
   Mentor: Allan Green

Ethical and Environmental Impact of Veganism in America
   Alexia Iuni (SUNY Oneonta)
   Mentor: Tyra Olstad
Are We Overcompensating for the Amazon Effect?  
Alan Wynne (SUNY Oneonta)  
Mentor: Fan Chen

Total Capacity Utilization and Inflation: Is There a Relationship?  
Melissa Voyer (SUNY Oneonta)  
Mentor: Christine Storrie

Do Institutes of Higher Education have an Environmental Kuznets Curve?  
Kevin Stearns (SUNY Oneonta)  
Mentor: Philip Sirianni

Empirical Asset Pricing at the Sector-Level using Fama-French Factors  
Maksim Papenkov (University at Albany)  
Mentor: Lewis Segal

College Debt and the Earnings Premium: Nationally and Regionally  
Daniel Berle (SUNY Oneonta)  
Mentor: Lewis Segal

Revisiting Wealth Effects and Merger Premium Determinants in the U.S. Financial Services Industry  
Paul Vita (University at Albany)  
Mentor: Rita Biswas

From Ballerinas to Murderers: How Physiognomy and Phrenology Impacted Art 1800 to Present  
Claire Leggett (SUNY Cortland)  
Mentor: Girish Bhat

The Lusk Committee in Cortland, New York: Espionage and Anticommunist Panic in Senator Lusk's Hometown (1919-1920)  
James Warner (SUNY Cortland)  
Mentor: Randi Storch

Ruth First: Writer, Feminist, Educator, Resistance Leader, a Legacy that Lives On  
September Schaffer (SUNY Oneonta)  
Mentor: William Simons

The Anxieties of an Empress: Empress Elisabeth of Austria's Struggles with Mental Illness in the 19th Century's Sexist Society  
Sonya Herbach (University at Albany)  
Mentor: Camelia Lenart

Ritual “Garbage” in Working-Living Quarters of Enslaved Persons at Albany's Ten Broeck Mansion  
Derek Healey (University at Albany)  
Mentor: Marilyn Masson
An Examination and Comparison of the Ideal Society in Thomas More's Utopia with Colonies of the European Honey Bee (Apis mellifera)
Daniel Schmidt (SUNY Ulster)
Mentor: Jennifer Kaufman

Gender Assignment to English Nouns in Arabic in New York
Nadine Zaky Kotb (University at Albany)
Mentor: Lotfi Sayahi

"Living Bilingual" "La vida bilingüe"
Juliet Eulau, Teresa Gonzalez, Diana Serrano Arenas (SUNY Oneonta)
Mentor: Marína Cristina Montoya

Existential Happiness: An Existential Account of the Good Life
Jacob Wright (SUNY Cortland)
Mentor: Sebastian Purcell

Room 202

When in College: The Effects of On-Campus Living versus Off-Campus Living
Darren Pikul (SUNY Oneonta)
Mentor: Amanda Finch

Does Ridesharing Reduce Alcohol Related Motor Vehicle Fatalities with the Addition of Other Modes of Transportation?"
Nicholas Zarr (SUNY Oneonta)
Mentor: Philip Sirianni

The Causes and Effects of SUNY Oneonta Students’ Alcohol Consumption Levels
Carly Neugebauer (SUNY Oneonta)
Mentor: Knarik Tunyan

The Correlation Between Parenting Styles and Juvenile Delinquency
Joshua Jacobs (SUNY Oneonta)
Mentor: Gregory Fulkerson

How the Affordable Care Act Has Affected the Relationship Between Cancer Survival Rate and Income
Thanh Nguyen (SUNY Oneonta)
Mentor: Kpoti Kitissou

Room 305

The Feasibility of Restoring Remediation Sites for Renewable Energy in the States of New York and Oklahoma
Daniel Boyd (SUNY Oneonta)
Mentor: Tyra Olstad

Particle Detection with Cadmium Telluride Quantum Dots
Joshua Martin (University at Albany)
Mentor: Matthew Szydagis

H-Perpendicularity in Hyperbolic Geometry
Melissa Marry (SUNY Oneonta)
Mentor: Laura Munteanu

Template Iterations of Quadratic Maps and Hybrid Mandelbrot Sets
Kelsey Butera (SUNY New Paltz)
Mentor: Anca Radulescu

Dynamics of Quadratic Networks
Simone Evans (SUNY New Paltz)
Mentor: Anca Radulescu
AFTERNOON PERFORMANCE/ART PRESENTATIONS
3:00 – 4:30 PM (Fine Arts Building)

LOCATION

A Look Behind the Curtain: The Elements of Theatrical Design (backstage tour/discussion of the scenic and costume materials of the Honk! Theatre production)
Kenneth Brooke, Lisa Hornick, Evelynn Pinneo (SUNY Oneonta) 3:00 PM
Mentor: Andrew Kahl

Slam Poetry as Performance Art (demonstration)
Gabriel Membreno, Chandler Aldrich, Malack Al-Haraizeh, Gwyn Quagliana, Katie Hebert, Jillian Moczara, Denny Burhan (SUNY Oneonta) 3:30 PM
Mentor: Justine Bishop

My Experience in Spain (piano performance of the below work):
Quejas, ó La maja y el ruiseñor from Goyescas (Laments, or The Maiden and the Nightingale)
Enrique Granados (1867-1916) 3:50 PM
Misaki Kobayashi (SUNY Oneonta) Room M201
Mentor: Adam Kent

Mente et Animo (sculpture exhibit/discussion)
Dina Atwa, John Jaromack (SUNY Oneonta) 4:00 PM
Mentor: Rhea Nowak

Djing as a Deliberate Musical Practice: Recontextualizing Technology and Recorded Music in Institutional Learning Contexts (demonstration)
Sean Clements (SUNY Oneonta) Room M201 4:15 PM
Mentor: Joseph Pignato
### AFTERNOON POSTERS (SESSION II)

**2:00 – 4:00 PM (Dewar Arena, Alumni Field House)**

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<td>A Benchtop Falling Ball Viscometer for Measuring the Viscosity of Highly Viscous Fluids</td>
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Constraining the Textural and Chemical Characteristics of the Tieton andesite lava flows
South Central Washington State
John Palmerton (SUNY Oneonta)
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Land Use Change Analysis of the Chandeleur Islands using Aerial Photography
Rebecca Rogers (SUNY Oneonta)
Mentor: Wendy Lascell

Plagioclase Stratigraphy as a Guide to Separating Lava Flows of the Tieton Andesite, and Magma Evolution
Kate Moore, John Palmerton (SUNY Oneonta)
Mentor: Keith Brunstad

Mapping Ancient Periglacial Landscapes on Mars
Malmi Kiriwandalage (Suffolk County Community College)
Mentor: Candice Foley

Method to Detect Septic System Contamination on Residential Lakes
Malora Trent, Zachary Miller (SUNY Adirondack)
Mentor: Holly Ahern

The SUNY Purchase Campus: A 3D Endeavor
Laszlo Osvath (Purchase College)
Mentor: Knarik Tunyan

Flying Under the Canopy: Successes and Failures in Capturing a Retreated Waterfall with Drones and Handheld SFM Photogrammetry
Jason Lobdell (SUNY Oneonta)
Mentor: Leslie Hasbargen

Enhanced Production of Superoxide Radicals through UVA irradiation of 6-Thioguanines in the Presence of Glutathione
Nelson Euceda (SUNY Old Westbury)
Mentor: Ruomei Gao

Design Development and Testing of Hydrogen Purifier System through the Technique of Electrochemical Separation
Vasudaa Ramakrishnan, Harsan Raghu (Farmingdale State College)
Mentor: Hazem Tawfik

Raman Spectroscopic Analysis of Organic Gunshot Residue Spanning a Range of Excitation Wavelengths
Ashley Hull, Shelby Khandasammy (University at Albany)
Mentor: Igor Lednev

Determining the Ionospheric Total Electron Content at SUNY Oneonta Using GPS
Andreas Stolzer (SUNY Oneonta)
Mentor: Hugh Gallagher, Jr.

The Development of Fluorescent DNA-ligand Binding Assays to Examine the Relationship Between Affinity and Noncovalent Interactions
Anastasia Klingel, Lydia Ndambuki (SUNY Oneonta)
Mentor: Kelly Gallagher

Determining Age through Blood Analysis using FT-IR Spectroscopy
Samantha Guiliano (University at Albany)
Mentor: Igor Lednev

The Effect of Green Solvents in the Synthesis of Imines
Julia Marcantonio (SUNY Oneonta)
Mentor: Jacqueline Bennett

Protein Evolution: A Look into Rab GTPase Gene Family Evolution
Bridget McGuire (SUNY New Paltz)
Mentor: Lydia Bright
Influence of IGF-1 on Proliferation and Apoptosis of Cancer Cells via mTOR and STAT Protein Interactions
Joseph Mc Carron, Devin Colwell (SUNY Oneonta)
Mentor: Jill Fielslhaber

Effect of the Circadian Rhythm on Cyclophosphamide-Induced Toxicity in the Urinary Bladder of Mice
Shannon Crehan, Morgan Gray, Paula Rebancos, Brittany Riddick (SUNY Oneonta)
Mentor: Kristen Roosa

Implications of Secretory Pathways on Ty1 Transposon Mobility in Saccharomyces cerevisiae
Jordan Nadelson, Brandon LaVenture (SUNY Oneonta)
Mentor: Fred Zalatan

Investigating Conserved Genes Impacting Key Bacterial Biofilm Characteristics
Rebekah Goetz, Madison Gowett (SUNY Oneonta)
Mentor: Caitlin Light

The Role of Macrophage Migration Inhibitory Factor in Lipopolysaccharide-Induced Fibroblast Proliferation
Emily Culbert (SUNY Oneonta)
Mentor: Vicky Lentz

Nucleic Acid Kissing Complex Stabilities Modeled by Molecular Dynamics Simulations
Simi Kaur (University at Albany)
Mentor: Alan Chen

The Effects of a Vesicle Coat Protein on Ty1 Replication in Budding Yeast Cells
Maham Asfand, Jasmin Espinal, Stacey Franco (SUNY Oneonta)
Mentor: Fred Zalatan

The Effect of Native Dispersion on Pseudomonas Quinolone Signal Production and Outer Membrane Vesicle Formation in Pseudomonas aeruginosa
Kayla Principe, Alexis Gursky (Binghamton University)
Mentor: Caitlin Light

Soybean Transformation with Cysteine Protease Inhibitor (CPI1) Gene for Resistance and Tolerance
Melissa Snare, Janel Cross, Yeying Zhou, Lynda McMaster-Schuyler (SUNY Cobleskill)
Mentor: Peiyu Zeng

Analysis of Transformation Effectiveness in Mutant Arabidopsis
Kevin Yusko (SUNY Cobleskill)
Mentor: Peiyu Zeng

Genetic Engineering Drought Tolerant Switchgrass by Overexpressing AVP1
Xiaotong Chen (SUNY Cobleskill)
Mentor: Peiyu Zeng

Development of High Yield Switchgrass Cultivar by Agrobacterium-mediated Transformation with InsP-5-Ptase Gene
Chen Chang (SUNY Cobleskill)
Mentor: Peiyu Zeng

Genetic Transformation of Switchgrass Plants with FNR-FLD Flavodoxin Genes for Drought Resistance and Salt Tolerance
Leiting Wang (SUNY Cobleskill)
Mentor: Peiyu Zeng

Genetic Engineering of Drought and Temperature Tolerance Switchgrass by Agrobacterium-mediated Transformation
Mingming Zhu (SUNY Cobleskill)
Mentor: Peiyu Zeng

Ty1 VLP Fluorescent Microscopy
Matthew Rosen, Matthew Stearns (SUNY Oneonta)
Mentor: Fred Zalatan
Survey of Macrofungi at the Biological Field Station Upper Research Site
Kayla Dolce (SUNY Oneonta)
Mentor: Jeffrey Heilveil

Observation of a Seiche in Otsego Lake Under Ice Covered Conditions
Thomas Maietto, Sean Buchner (SUNY Oneonta)
Mentor: Hugh Gallagher, Jr.

Mate Searching in the Bean Beetle, Callosobruchus maculatus
Kayla Brill (SUNY Oneonta)
Mentor: Elizabeth Bastiaans

Sampling the Genetic Diversity of Paramecium in Local Ponds
Katherine Dobosh (SUNY New Paltz)
Mentor: Lydia Bright

Prevalence of Borrelia burgdorferi in Peromyscus leucopus and Ixodes scapularis in the Upper Susquehanna River Basin
Anuli Khairatkar, Kristina Opalecky, Colin Pritchard (Binghamton University)
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Fine-Scale Population Structure of an East Hampton C. fornicata Population
Melissa Muller (SUNY Oneonta)
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The Epigenetic Basis of Responses to Climate Change: Insights from the Model Plant Arabidopsis thaliana
Lina Ruiz (Purchase College)
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A New Species of Tapeworm from the Blackspotted Whipray, Maculabatis astra, from Australia
Cheyenne Pommelle (SUNY Oneonta)
Mentor: Florian Reyda

Gladiator Salamanders as Biological Indicators of Environmental Quality in Central Adirondack Forests
Jet’aime Lewis (SUNY College of Environmental Science and Forestry)
Mentor: Diane Kiernan

How Recent Urban Constructions Limits Stingless Bee (Tetragonisca angustula) Gene Flow in Feria De Santana Brazil
Dupah Gobin (CUNY York College)
Mentor: Eddy Oliveria

Cardiovascular Health and CPR Readiness in a College Population
Donette Hutchison, Scott Bierman, Kayla Figuera, Ben Kane, Kaylee Miner, Kayla Mosier, Stephanie Sélitto, Lyndsy Vandervort (SUNY Broome Community College)
Mentor: Kimberly McLain

The Effects of Chronic Voluntary Oral Methamphetamine on the Dopamine System and Memory
Diego Alvarado Mateo (CUNY York College)
Mentor: Peter Serrano

Does Practice Result in the Modification of Running on a Lower Body Positive Pressure Treadmill?
Giovanni Quinones (SUNY Cortland)
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Smart Treadmill for Virtual Walking Simulations
Vincenzo Carr, Jonatan Meza, John Soto, Abbey Alan, Amanda Alexander (University at Buffalo)
Mentor: Aaron Estes

Publishing Nursing Metrics in the Emergency Department
Jennifer Curtis (Upstate Medical University)
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The Effects of Dietary Coconut Oil Supplementation on Swine Growth, Health, and Carcass Characteristics
Makayla Fowler, Leigha LaTourette (SUNY Cobleskill)
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An Analysis of Extreme Events in the Stock Market
Venkat Ganesh (Farmingdale State College)
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Understanding the Traits and Attitudes of the Indian-American Consumers: A Conceptual Model
Daniel Chacko (SUNY Old Westbury)
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Human Resources Management Implications of Implementing the International Labor Standards in the United States
Ruben Gil, Baylee Saba (SUNY Oneonta)
Mentor: Barbara Durkin

Narrative Therapy as a Treatment for Relationship Distress
Mary Grega, Emily Rooney (Binghamton University)
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Understanding the Relationship between Ostracism and Aggressive Behavior
Bianca Guglielmo (Purchase College)
Mentor: Yanine Hess

The Impact of Exposure to Potentially Traumatic Events on Mental Health, and Seeking Mental Health Services
Megan Chiavaro, Alexandra Cunningham, Sarah Curtin, Nicole Faraci (SUNY Oneonta)
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The Influence of Block Play on the Mental Rotational Abilities of Preschoolers
Aaron DeMasi (Purchase College)
Mentor: Lynn Winters

Mind and Body: How Interactions Between Language and Perception Depend on Height
Christopher O'Connor, Kiran Shabbir (Purchase College)
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Choosing Between Two Films: The Influence Different Types of Information Have on Decision-Making
Cassandra Maldonado (SUNY New Paltz)
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Quantifying Infants’ Facial and Affective Responses to Possible and Impossible Figures
Christina Krause, Danielle Longo (SUNY New Paltz)
Mentor: Sarah Shuwairi

Rural Attitudes and Behaviors
Taryn More, Joshua Garufi, Peter Richardson, Stacey Pinto, Judson Parisi, John Reilly, Kathryn Kilichowski (SUNY Oneonta)
Mentors: James Zians, Gregory Fulkerson, Alex Thomas

Effects of Fundamental Motor Skills Modules on PETE Student’s Perceived Competence of their Movement Analysis Skills
Alexis Kane, Nicholas Baker (SUNY Cortland)
Mentor: Helena Baert

Assessment of Intercultural Competence and Interpersonal Communication in Language Courses and Perception of Climate Supporting COIL at SUNY Oneonta
Estefania Torijano (SUNY Oneonta)
Mentor: Maria Cristina Montoya

Collegiate Preparedness and its Relationship to Academic Success
Kelly Comack, Thomas Giavatto, Hannah Hicks, Intak Oh (SUNY Oneonta)
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Glenwood Lake Exploration and Water Chemistry Analysis  
   Daniela Aguilar Lua (SUNY Oneonta)  
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Strain Theory and the School to Prison Pipeline  
   Cassandra Hughes (SUNY Canton)  
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Member Uncertainty and Sensemaking in Volunteer Resettlement Organizations  
   Leslie Reitz (SUNY Oneonta)  
   Mentor: Jacqueline Bruscella

The Effects of Deferred Action on the American DREAM  
   Patrick Durney (Purchase College)  
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Community Analysis of Retail Gentrification in Pilsen, Chicago  
   Samantha Palermo (SUNY Oneonta)  
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African American Dietary Patterns in Albany during the Early-to-Middle Nineteenth Century as Reconstructed from Faunal Bone Analysis  
   Shannon Ragone (University at Albany)  
   Mentor: Marilyn Masson

Mitochondrial Diversity in the South Coast of West New Guinea  
   Mauricio Montes, Nathaniel Benjamin, Maital Citron, Christopher Fugina, Molly Moran, Corinna Ronen, Noah Salazar (Binghamton University)  
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Population Genetics of the North and Central Highlands of West New Guinea: A Mitochondrial Perspective  
   Caleb Almeter, Amelia Guyon, Simone Hernandez, Emily Jelen, Paola Velazquez, Sean Velazquez (Binghamton University)  
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DOUBT: Staging Costume History  
   Allison Stuart (SUNY Oneonta)  
   Mentor: Bethany Marx

Creating Future: Fashion Trend Forecasting  
   Chelsea Burdick (SUNY Oneonta)  
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Lolita Fashion Style Documentary Series Photography and Research  
   Chumin Wu (SUNY Oneonta)  
   Mentor: Ho Hon Leung

What can Contemporary Fashion Learn from the Great Outdoors? A Case Study Approach to Tackling Sustainability Issues in the Apparel Industry  
   Patrick Cammer (SUNY Oneonta)  
   Mentor: Bharath Ramkumar

The Impact of Campus Involvement to the Students at SUNY Oneonta  
   Donglei Li (SUNY Oneonta)  
   Mentor: Monica Grau

Who Owns Knowledge?  
   Alicia Melecio (SUNY Oneonta)  
   Mentor: Achim Koeddermann