

# 2019 Student Research Day

# Research For CHANGE



## Keynote Speaker: Dr. Faye Ginsburg

Dr. Faye Ginsburg (New York University) is a visual anthropologist who studies and works with cultural activists in contemporary social movements, such as exploring cultural meanings of Indigenous media, and disability rights activism.

Tuesday, April 16, 2019

1PM - 2:30PM

STUDENT UNION MPR



Design by: Steven A. Rios

**2019 Student Research Day Conference**  
**Student Union Multi-Purpose Rooms (MPR)**  
**Tuesday April 16<sup>th</sup>, 2019**

**Conference Schedule**

9:40 am – 11:10 am	Oral Presentations: Session I MPR A, B, & C
11:20 am – 12:50 pm	Oral Presentations: Session II MPR A & B
1:00 pm – 2:30 pm	Welcome to “Research for Change” MPR B Introduction: Justin Ellis, PEL Class 2019 <b>Keynote Speaker:</b> Dr. Faye Ginsburg <i>Disability Worlds in a Digital Age</i>
2:30 pm – 3:40 pm	Art Exhibits & Poster Sessions Lunch Buffet MPR A & C
3:50 pm – 5:20 pm	Oral Presentations: Session III MPR A
5:30 pm – 7:00 pm	Oral Presentations: Session IV MPR A & B

**KEYNOTE SPEAKER**  
1:00-2:30pm  
**Multi-Purpose Room B**

## **Dr. Faye Ginsberg**

Faye Ginsburg is David B. Kriser Professor of Anthropology at New York University where she is the founder and Director of the Center for Media, Culture and History, and the newly-inaugurated NYU Center for Disability Studies. She is author/editor of four books exploring movements for cultural transformation from her multiple award-winning *Contested Lives: The Abortion Debate in an American Community*, to the co-edited collection *Media Worlds: Anthropology on New Terrain*. Her latest book (with Rayna Rapp), *Disability Worlds: The New Normal in 21st Century America* will be out in 2020; *Mediating Culture: Indigenous Media in the Digital Age* is in progress. Faye is recipient of MacArthur, Guggenheim and NEH Fellowships and has received support from Ford, Rockefeller, Pew, and other major foundations.



# Schedule of Oral Presentations

## SESSION I

### MPR A

Changing Gangs and  
Community

### MPR B

Challenging and Resisting  
Inequality

### MPR C

Exploring, Growing &  
Testing for Change

<b>9:40</b>	<p><i>Gang Databases and the perpetuation of the school-to-prison-to-deportation Pipeline</i></p> <p>Cassandra Chery</p> <p>Sponsor: Diana Papademas, PhD</p>	<p><i>Indigenous Evolution in a Post-Racial America in Tommy Orange's There There</i></p> <p>Jordan Lindenman</p> <p>Sponsor: Anahi Douglas, PhD</p>	<p><i>The Effects of Developmental Lead Poisoning on the Adult Rat's Freezing and Exploration Behaviors in a Hole Board Test</i></p> <p>George Cruz</p> <p>Sponsor: Lorenz Neuwirth, PhD</p>
<b>9:55</b>	<p><i>Gangs (New York, El Salvador) Members, Media &amp; Community Impact</i></p> <p>Romel Giron</p> <p>Sponsor: Diana Papademas, PhD</p>	<p><i>Symbolic Annihilation</i></p> <p>Veronica Burke</p> <p>Sponsor: Anahi Douglas, PhD</p>	<p><i>Grow, Eat and Heal: Phase 2, a case of Sunchoke as a Plant for Diabetic and Obesity Education</i></p> <p>Raza Memon, Cassandra Lirio, Erventz Bien-Aime &amp; Rashana Calder</p> <p>Sponsor: Alireza Ebrahimi, PhD</p>
<b>10:10</b>	<p><i>Educational Inequalities and the Strategies for School Changes</i></p> <p>Sara Hechtman</p> <p>Sponsor: Diana Papademas, PhD</p>	<p><i>The Prevalence of e-cigarette/vape usage among teenagers</i></p> <p>Diana Hughes</p> <p>Sponsor: Sarah Smith, PhD and Chris Hartmann, PhD</p>	<p><i>How to enhance an online course using discussion forum student perspective</i></p> <p>Alicia Singh and Roha Qureshi</p> <p>Sponsor: Alireza Ebrahimi, PhD</p>
<b>10:25</b>	<p><i>Incarceration and the Impact on the Incarcerated, Families, and Communities</i></p> <p>Jonathan Tonic</p> <p>Sponsor: Diana Papademas, PhD</p>	<p><i>Thoughts and Perceptions of Preexposure Prophylaxis (PrEP) among African American Women living in Hempstead NY</i></p> <p>Beeneka Prashad</p> <p>Sponsor: Sarah Smith, PhD</p>	<p><i>The Effects of Ring Strain in Ch-IT Interactions</i></p> <p>Ambar Michelle Rosario</p> <p>Sponsor: Bright Emenike, PhD</p>
<b>10:40</b>	<p><i>Gang Violence and Femicide</i></p> <p>Karen Melendez</p> <p>Sponsor: Diana Papademas, PhD</p>	<p><i>There was a lady in the moon in Maycomb</i></p> <p>Samantha Barr</p> <p>Sponsor: Jacqueline Emery, PhD</p>	<p><i>Enhance Production of Superoxide Radicals through UVA irradiation of 6-Thioguanines in the Presence of Glutathione</i></p> <p>Nelson Euceda</p> <p>Sponsor: Ruomei Gao, PhD</p>

## SESSION II

### MPR A

Challenging Oppression and  
Changing the Narrative

### MPR B

Using Social Science to  
Understand or Affect Change

<b>11:20</b>	<p><i>Violence and Oppression in Native American Communities</i></p> <p>Maya Dixon</p> <p>Sponsor: Anahi Douglas, PhD</p>	<p><i>How Socioeconomic Status Affects the Way We View Injustice: A Narrative Exploration</i></p> <p>Rebecca Reiners and Nashrah Ahmed</p> <p>Sponsor: Svetlana Jovic, PhD</p>
<b>11:35</b>	<p><i>African Humanism: Developing an Inclusive Definition of Humanity</i></p> <p>Noah Andriella</p> <p>Sponsor: Deepa Jani, PhD</p>	<p><i>The Flash Crash of 2010</i></p> <p>Hunter Obshatcko, Brandon Williams-Lambert, Nida Abbas, Jeimy Rivas and Mathew Brolly</p> <p>Sponsor: Katarzyna Platt, PhD</p>
<b>11:50</b>	<p><i>The Massacre of El Mozote: A Consequence of the Cold War</i></p> <p>Silvia Alvarado</p> <p>Sponsor: Chelsea Shields-Mas, PhD</p>	<p><i>Family Planning Dynamics for Chuukese Women</i></p> <p>Arianne Francois, Tiffani Grey &amp; Roha Qureshi</p> <p>Sponsor: Sarah Smith, PhD</p>
<b>12:05</b>	<p><i>Moonlight: Redefining Black Identity, Masculinity and Sexuality</i></p> <p>Stenley Talabert</p> <p>Sponsor: Jasmine Mitchell, PhD</p>	<p><i>Energy: Where We Came From and Where We Are Going</i></p> <p>Brett McGuinness, Jocelyn Reyes-Fuentes and Marissa Nunez</p> <p>Sponsor: Katarzyna Platt, PhD</p>
<b>12:20</b>	<p><i>Learning from History</i></p> <p>Nicholas Pasquini</p> <p>Sponsor: Jingyi Song, PhD</p>	<p><i>Indian-American Consumption of Financial Service: Preliminary Findings from a Consumer Survey</i></p> <p>Daniel Chacko</p> <p>Sponsor: Raj Devasagayam, PhD</p>
<b>12:35</b>	<p><i>The Cycle of Corruption and Fear</i></p> <p>Carolina Teresa Jimenez</p> <p>Sponsor: Anahi Douglas, PhD</p>	<p><i>Undergraduate- and Graduate-Level Students' Experience in Aging Simulation</i></p> <p>Gurinder Kaur and Jasjit Kaur</p> <p>Sponsor: Seojung Jung, PhD</p>

## SESSION III

### MPR A

Research for Changing Lives

### MPR B

Research for Understanding Lives

3:50	<p><i>The Effects of Developmental Lead Exposure in the Rat on Brain Excitability Through in-vivo Seizure Susceptibility</i></p> <p>Eric Khairi, Michelle Vasquez, George Cruz, Jewel Joseph, Ericka Cabanas, Jalen R. Bonitto, Jourvon C. Skeen, Isra Ahmed, Kristen Lynch, Jean-Martin Christophonte, Evan Clarkre &amp; Jessica Ackloo</p> <p>Sponsor: Lorenz Neuwirth, PhD</p>	<p><i>The Influence Sleep Has on Memory Formation</i></p> <p>Stephen Phillips</p> <p>Sponsor: Lillian Park, PhD</p>
4:05	<p><i>Studying the Adaption of Bacteria Phages</i></p> <p>Iman Raja and Zachary Zorn</p> <p>Sponsor: Fernando Nieto, PhD and Christos Noutsos, PhD</p>	<p><i>The Effect of Ethnic/Racial Background of Adult Children's Views of Aging</i></p> <p>Gissel Marquez and Darrilyn Hogan</p> <p>Sponsor: Seojung Jung, PhD</p>
4:20	<p><i>An assessment of the CDC data for children's blood lead level testing and the potential underestimated cases within the US between 2012-2016</i></p> <p>Oscar Lopez</p> <p>Sponsor: Lorenz Neuwirth, PhD</p>	<p><i>Was Empress Wu of the Tang Dynasty a Cruel Leader?</i></p> <p>Rachel DeJesus</p> <p>Sponsor: Jingyi Song, PhD</p>
4:35	<p><i>Hemizygous Hexim1 Allows for the Evasion of Apoptosis in Tramp Cell Lines</i></p> <p>Sarah Sadik and Kristelle Pierre</p> <p>Sponsor: Manya Mascareno</p>	

## SESSION IV

### MPR A

Science for Changing  
Health and Well-Being

### MPR B

How "Effects" Change Us

5:30	<p><i>Characterizing functional elements in norgDNA of plant species: Example Arabidopsis thaliana</i></p> <p>Andrew Kobren and Tahalia Lozano</p> <p>Sponsor: Christos Noutsos, PhD</p>	<p><i>Social Media and Its Effect on Body Image</i></p> <p>Grace Wang</p> <p>Sponsor: Sarah Smith, PhD</p>
5:45	<p><i>Isolation and Characterization of Mycobacteriophages at SUNY Old Westbury</i></p> <p>Abidin Z., Abizadeh A., Adman D., Ahmad F., Ahmed A., Ali B., Cheekapara P., Guevara Rodriguez A., Islam A., Joseph J., Khan U., Kiriella D., Lopez Garcia E., Mantock T., Matos V., Memon Z., Philip J., Raza I., Reddy R., Rojas Y., Roman J., Thomas B. &amp; Varghese H.</p> <p>Sponsor: Jillian Nissen, PhD</p>	<p><i>The Effects of Self-Identification, Linguistic Patterns and Parental Education of First Generation College Students</i></p> <p>Jasjit Kaur, Maliha Ali, Gissel Marquez, Sherien Ibrahim, Kainnat Siddiqui &amp; Jernessa Cruickshank</p> <p>Sponsor: Basabi Runi Mukherji, PhD</p>
6:00	<p><i>Annotating LastJedi's genome, a first encounter with Bioinformatics</i></p> <p>Abizadeh A., Ali B., Cheekapara P., Joseph J., Khan U., Kiriella D., Mantock T., Memon Z., Mian M., Raza I. &amp; Reddy R</p> <p>Sponsor: Jillian Nissen, PhD</p>	<p><i>Understanding Retail Employee Motivational Differences as a Function of Gender, Job Role and Intrinsic/Extrinsic Motivation through Modified MAS</i></p> <p>Kimberly Blackett</p> <p>Sponsor: Lorenz Neuwirth, PhD</p>
6:15	<p><i>Flanker Task Visual Eye Tracking Performance Measures: Assessment of Individual Disability Classifications Sensitivity Detection in Cumulative Response Learning and RT</i></p> <p>Jessica E. Orens, Kaina F. Siddiqui, Ravi L. Rhamdari, Zachary I. Harkinish-Murray &amp; Michael T. Verrengia</p> <p>Sponsor: Lorenz S. Neuwirth, PhD, Lillian Park, PhD, Basabi Runi Mukherji, PhD &amp; Stacey DeFelice</p>	<p><i>An assessment of functional near-infrared spectroscopy (fNIRS) to assess cognitive performance using the Tower of Hanoi Task</i></p> <p>Brian S. Arevalo</p> <p>Sponsor: Lorenz Neuwirth, PhD</p>

# Poster Presentations

Multi-Purpose Room A  
Common Hour 2:30 – 3:40

## **Biology**

### *Studying the Adaption of Bacteria Phages*

Iman Raja and Zachary Torn

Sponsor: Fernando Nieto, PhD and Christos Noutos, PhD

### *Biomass Accumulation of Permanent Forests Interior Plot 1 Over the Last Four Years*

Deliverance Jenkins, Fabiola Pacheco Valencia, Jaclyn Fontana and Syprina Ellis

Sponsor: Fernando Nieto, PhD and Christos Noutos, PhD

### *Genome Annotation of Actinobacteriophage AlainaMarie*

Jennifer Ramon and Meghaben Kothari

Sponsor: Robert Bednarczyk, PhD

### *Isolation and Characterization of Mycobacteriophages at SUNY Old Westbury*

Abidin Z., Abizadeh A., Adman D., Ahmad F., Ahmed A., Ali B., Cheekapara P., Guevara Rodriguez A., Islam A., Joseph J., Khan U., Kiriella D., Lopez Garcia E., Mantock T., Matos V., Memon Z., Nieto F., Nissen J., Philip J., Raza I., Reddy R., Rojas Y., Roman J., Thomas B. & Varghese H.

Sponsor: Jillian Nissen, PhD

### *Annotating LastJedi's Genome, A First Encounter with Bioinformatics*

Abizadeh A., Ali B., Cheekapara P., Joseph J., Khan U., Kiriella D., Mantock T., Memon Z., Mian M., Nieto F., Nissen J., Noutsos C., Raza I. & Reddy R.

Sponsor: Jillian Nissen, PhD

### *The Effect of Longitude on Tree Biodiversity and Carbon Storage Potential in Woody Deciduous Forests*

Sydney Coscia, Sarah Sadik & Jourvonn Skeen

Sponsor: Fernando Nieto, PhD

### *A Comparative Analysis of the Difference in Species Composition and Diversity between Interior and Exterior Plot on the Basis of Soil Porosity and Texture*

Reekarl Pierre and Lydia Geevarghese

Sponsor: Fernando Nieto, PhD

### *Comparative Analysis of Biodiversity and Carbon Sequestration in SUNY OW Deciduous Forest Edge and Interior Plots*

Dayanara Galan and Kristelle Pierre

Sponsor: Fernando Nieto, PhD

*Annotating the TUBBY Transcription Factor Gene Family in Zea Mays*

Suhani Shah and Sendi Mejja

Sponsor: Christos Noutsos, PhD

*Annotating the Opie Bacteriophage Genome*

Kevin White and Iman Raja

Sponsor: Fernando Nieto, PhD and Christos Noutsos, PhD

*Annotation of Bacteriophage Awesomesauce, a F1 Cluster*

Adwoa Jamila Lewis

Sponsor: Fernando Nieto, PhD and Christos Noutsos, PhD

*Investigating the Neuroprotective Effect of Taurine for the Treatment of Alzheimer's Disease*

Maryam Farooq and Reekarl Pierre

Sponsor: Patrick Cadet, PhD and Wei Zhu, PhD

*Maternal lethality of the fruitfly GTPBP2 homolog CG2017*

Angela Derosa, Trevina Metyas, Josephine James, Pragya Wadhvani

Sponsor: William Gillis, PhD

*Oleic and Palmitic Acid Changes on Proliferation, Migration and Neuropeptide Expression of Embryonic Hypothalamic Neurons*

Fabiola Pacheco Valencia and Waali Ahmed

Sponsor: Kinning Poon, PhD

## **Chemistry & Physics**

*Acidity of Carbene Precursors*

Katherine Guzman

Sponsor: Bright Emenike, PhD

*On the Acidity of Polyphenols*

Sushil Talreja

Sponsor: Bright Emenike, PhD

*The Effects of Counterion in Cation-Aromatic Interactions*

Simran Dhani

Sponsor: Bright Emenike, PhD

## **Mathematics and Computer Science**

*Feedback Motion Planning for Long-Range Autonomous Underwater Vehicles*

Opeyemi Orioke, Joseph Quinn & Ramneek Kaur

Sponsor: Tauhidul Alam, PhD

*Autonomous Vehicles Patrolling for Shipping Monitoring*

Destinee Adams

Sponsor: Tauhidul Alam, PhD

*Social Media and Human Trafficking*

Johanna Escobar

Sponsor: Betty Berbari

## **Media and Communications**

*Spoken Word: World of Black Experiences*

Stenley Talabert

Sponsor: Ozgur Akgun

## **Psychology**

*Undergraduates' Experience with Mentoring through the Research Aligned Mentorship Program*

Rhayna Prado and Janet Folarin

Sponsor: Ashlee Lien, PhD

# Art Presentations

Multi-Purpose Room C  
Common Hour 2:30 – 3:40

## Artists Sponsored by Professor Eric Hagen

*Deforestation in Indonesia*  
Jason Tjan

## Artists Sponsored by Professor Patty Harris

*Life Drivers*  
Luis Diaz

## Artists Sponsored by Professor Fred Fleisher

*The Right to be Heard*  
Anya Reid

*The Change Happens In Between*  
Rebecca Konwerski

*Metamorphosis*  
Emily Fetter

## Acknowledgements

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## Research Day Committee

Phyllis Danielle, Secretary, School of Arts and Sciences

Bright Emenike, Assistant Professor, Chemistry

Eric Hagan, Assistant Professor, Visual Arts

Seojong Jung, Assistant Professor, Psychology

Roger Mayer, Assistant Professor, Accounting, Taxation & Business Law

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