Symposium Agenda
Summer Undergraduate Research Fellowship Program (SURF)

University of Miami Summer 2020

**Morning Session**

8:45 AM – 9:00 AM  Opening Remarks from Dr. Priyamvada Rai
9:00 AM – 9:15 AM  Leadership Remarks from Dean Henri Ford
9:15 AM – 9:30 AM  Leadership Remarks from Dr. Carl Schulman
9:30 AM – 10:00 AM Leadership Remarks from Dr. Stephen Nimer
10:00 AM – 11:30 AM Student Oral Presentations
                  *See Next Page for Presenters*
11:30 AM – 1:00 PM Lunch Break

**Afternoon Session**

1:00 PM – 2:30 PM  Student Oral Presentations
                   *See Next Page for Presenters*
2:30 PM – 2:50 PM  Break
3:00 PM – 3:30 PM  Awards & Closing Remarks from Dr. R. Grace Zhai
Symposium Agenda
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Student Oral Presentations

10:00 AM - 10:15 AM

**Peyton Coady**
“IDENTIFICATION OF PREDICTIVE SYNERGISTIC DRUG COMBINATIONS IN TREATMENT OF MEDULLOBLASTOMA”
Mentor: Dr. Nagi Ayad
Department of Psychiatry & Behavioral Sciences

10:15 AM - 10:30 AM

**Sandy St-Hilaire**
“BRCA HAPLOINSUFFICIENCY IN FALLOPIAN TUBE EPITHELLIA AND HIGH-GRADE SEROUS CARCINOMA”
Mentor: Dr. Sophia George
Department of Obstetrics & Gynecology

10:30 AM - 10:45 AM

**Larissa Dixon**
“INFLUENCE OF TOBACCO POLICY ON FLORIDA FIREFIGHTER SMOKING STATUS AT ONSET OF CANCER DIAGNOSIS”
Mentor: Dr. David Lee
Department of Public Health Sciences

10:45 AM - 11:00 AM

**Qetsia Etienne**
“MICROBIAL DYSBIOSIS DURING PROGRESSION OF PANCREATIC CANCER”
Mentor: Dr. Sulagna Banerjee & Dr. Santanu Banerjee
Department of Surgery

11:00 AM - 11:15 AM

**Russell Perkins**
“VISUALIZING AND COMPARING MICROBIAL POPULATIONS AMONG MICE UNDERGOING AGR2-BASED APPENDAGE REGENERATION”
Mentor: Dr. Sandra Rieger
Department of Biology

11:15 AM - 11:30 AM

**Veronica Rodriguez**
“MÜLLER GLIA: LEARNING RETINAL REGENERATION FROM FROGS”
Mentor: Dr. Daniel Pelaez
Department of Ophthalmology
Student Oral Presentations

1:00 PM - 1:15 PM
Will Snyder
"CONNECTIVITY STATES OF THE HUMAN DORSAL ANTERIOR INSULA ACROSS THE LIFESPAN"
Mentor: Dr. Lucina Uddin
Department of Psychology

1:15 PM - 1:30 PM
Sofia Perez
"GENOMIC AND STRUCTURAL ANALYSIS OF SARS-COV-2 COMPONENTS AND THEIR EVOLVING VARIANTS"
Mentor: Dr. Daniel Isom
Department of Pharmacology & Molecular Biology

1:30 PM - 1:45 PM
J’Zaria Simpson
"INVESTIGATING ARTIFICIAL INTELLIGENCE CLASSIFIERS FOR THE UNDERLYING AMYLOIDOSIS IN PATIENTS WITH T2D AND CI"
Mentor: Dr. Delia Cabrera DeBuc
Department of Ophthalmology

1:45 PM – 2:00 PM
Bryan Weselman
"PREPARING ACTIONABLE INTELLIGENCE ON NERVOUS SYSTEM REGENERATION AND REINNERVATION"
Mentor: Dr. Sanjoy Bhattacharya
Department of Ophthalmology

2:00 PM - 2:15 PM
Antanisha Parks
"NEUROLOGICAL MANIFESTATIONS OF COVID-19 IN THE HISPANIC POPULATION"
Mentor: Dr. Ayham Alkhachroum
Department of Neurology

2:15 PM - 2:30 PM
Olivia Perez
“STRUCTURE-BASED MOLECULAR SIMULATION STUDIES TOWARDS THE DEVELOPMENT OF TARGETED PROTEIN DEGRADERS FOR SARS-COV2”
Mentor: Dr. Stephan Schürer
Department of Molecular and Cellular Pharmacology
Student Participants
Summer Undergraduate Research Fellowship Program (SURF)
University of Miami Summer 2020

Peyton Coady
James Madison University
Mentor: Dr. Nagi Ayad
Department of Psychiatry & Behavioral Sciences

Larissa Dixon
University of South Florida
Mentor: Dr. David Lee
Department of Public Health Sciences

Qetsia Etienne
Bowdoin College
Mentors: Drs. Sulagna Banerjee & Santanu Banerjee
Department of Surgery
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Antanisha Parks
University of Missouri, St Louis
Mentor: Dr. Ayham Alkhachroum
Department of Neurology

Olivia Perez
University of Notre Dame
Mentor: Dr. Stephan Schürer
Department of Molecular & Cellular Pharmacology

Sofia Perez
University of Notre Dame
Mentor: Dr. Daniel Isom
Department of Molecular and Cellular Pharmacology
Student Participants
Summer Undergraduate Research Fellowship Program (SURF)

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Russell Perkins
University of Oklahoma
Mentor: Dr. Sandra Rieger
Department of Biology

Veronica Rodriguez
Florida International University
Mentor: Daniel Pelaez
Department of Ophthalmology

J'Zaria Simpson
Savannah State University
Mentor: Dr. Delia Cabrera DeBuc
Department of Ophthalmology
Student Participants
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William Snyder
Bucknell University
Mentor: Dr. Lucina Uddin
Department of Psychology

Sandy St-Hilaire
Florida International University
Mentor: Dr. Sophia George
Department of Obstetrics & Gynecology

Bryan Weselman
College of William and Mary
Mentor: Dr. Sanjoy Bhattacharya
Department of Ophthalmology
We wish to thank all of the faculty mentors and their lab personnel for providing guidance and inspiration to the SURF students for the past ten weeks.

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The SURF team
Dr. Priyamvada Rai (Program Director), Mr. Santos Cayetano, Ms. Sarah Sandiford, Ms. Theresa Votolato, Ms. Rositsa Kalinova, Ms. Maya Kono