Message from the Aresty Leadership

We are delighted to have continued support from our campus partners. This has been an exciting year with students exciting research, a new location to improve the students experience, the creation of a one button studio for presentations, and an international undergraduate research project to name a few.

Faculty Director Levin, Director Brevard, and Assistant Vice Chancellor Whitney

15th Annual Undergraduate Research Symposium
April 26, 2019
Livingston Student Center

This year marks the Symposium’s 15th year celebrating scholarship and creativity at Rutgers University–New Brunswick. The Symposium provides a platform for the over 400 undergraduates to present their research experiences to an audience of faculty, peers, corporate and community partners. Research posters and presentations range across the sciences, social sciences, humanities, and arts.

404 Symposium Presenters
3.5 GPA for Research Assistant Program
View the 15th Annual Undergraduate Symposium Welcome Video Below!

2019 Symposium Poster Winners

**HUMANITIES**
Nathan Bishop, Glynnis Gourhan, Bridget Knodel, Emily McGovern, Nicholas Wagner
Poster #: 155 | WAM! Women in Art Music
Faculty Mentor: Rebecca Cypress, Mason Gross
School of the Arts, Music Department

**SOCIAL SCIENCES**
Ashim Aganja and Sabeen Khan
Poster #: 168 | Examining the Use of Interactive Virtual Training for Teachers (IVT-T)
Faculty Mentor: Elisa Shernoff, School of Arts and Sciences, Department of Psychology

**STEM**
Brian Chen
Poster #: 285 | The Anti-fibrotic Effect of Lyophilized Amniotic Membranes on Fibrosis Formation
Faculty Mentor: Yong Mao, New Jersey Center for Biomaterials

Grace Herdelin
Poster #: 305 | Crystal Convergence of the Twister Ribozyme
Faculty Mentor: Darrin York, The Office of Advanced Computing Research.

The Aresty Symposium app has been utilized for the past 2 years now! This app enables various features including:

- Full session schedule to highlight all posters/presentations
- Live-time updates of activities/agenda during the symposium
- Participation from guests, faculty, and staff in group discussions, live polls, and feedback
- Full access for judges to view their schedules and score electronically on the app

Please click on the links below to access and download the 2019 Symposium app.

Congratulations to Mariya Galochkina
Goldwater Scholar and Chancellor's Research Excellence Award Recipient

Mariya Galochkina, a Research Assistant
Congratulations

2019 Distinguished Fellowship and Award Recipients

- **Anna Baker**, Animal Sciences, School of Environmental and Biological Sciences, Critical Language Scholarship; Fulbright US Student program, Spain (Former Aresty RA and Peer Instructor)

- **Sonay Barazesh**, Middle Eastern Studies and Political Science, School of Arts and Sciences, Critical Language Scholarship (Former Aresty RA)

- **Maine Christos**, Physics and Mathematics, School of Arts and Sciences, Chancellor’s Research Excellence Award Recipient (Former Aresty Summer Science RA)

- **Rikab Gambhir**, Physics and Mechanical Engineering, School of Arts and Sciences, School of Engineering, Goldwater Scholarship (Former Aresty Summer Science RA)

- **Dylan Kovacevich**, Mechanical Engineering, School of Engineering, Chancellor’s Research Excellence Award Recipient (Former Aresty Fellowship and Conference Funding Recipient)

- **Riley Link**, Public Health, School of Arts and Sciences, Emerson National Hunger Fellowship (Former Aresty RA Program)

2018-2019 Aresty Achievements

Peer Instructor **Liam Hiester** accepted to the 2019 Summer Undergraduate Research Program at the Icahn School of Medicine at Mount Sinai

Research Funding Recipient **Collin McManus** accepted to Princeton University for Fall 2019 (PhD in Molecular Biology)

Senior Peer Instructor **Morgan Taylor** accepted a position at Lockheed Martin within the Engineering Leadership Development Program

Research Assistant **Alvin Chin** accepted into the Urban Planning graduate program at the Edward J. Bloustein School of Planning & Public Policy

Senior Peer Instructor **Maggie Fread** accepted to New York University’s Higher Education and Student Affairs Masters program

Conference Funding Recipient **Noor Chalhoub** accepted to NYU Sackler Institute of Biomedical Sciences PhD Program

Senior Peer Instructor **Michael Nitzsche** accepted into the graduate program in Mechanical Engineering at MIT

Senior Peer Instructor **Fady Soliman** accepted into the Rutgers Robert Wood Johnson Medical School, Class of 2023
2019-2020
Geoscience REsearch At the Cordillera Talamanca (G.R.E.A.T.)

The Geoscience REsearch At the Cordillera Talamanca (GREAT) Project is an international research opportunity that uses a diverse array of geoscience methods to investigate the origins, the current state, and the hazard potential of the Cordillera Talamanca in southern Costa Rica.

2019-2020 Cohort

Kyle Comito
School of Engineering, Class of 2021

Joyce Franco Luque
SAS, Class of 2020

Emily Kapr
SAS, Class of 2020

Rosa Martinez Marmol
SEBS, Class of 2020

Isabelle Stern
School of Engineering, Class of 2021

Service Spotlight

Food Drive November 2019

The Aresty Research Center participated in the Rutgers Student Food Pantry Drive from November 1st to November 16th.

Elijah’s Promise April 2019

Peer Instructors prepared over 60 sandwiches and delivered the bagged sandwiches to Elijah’s Promise in downtown New Brunswick.
2018 Summer Science Program

Photo: Addressed with Assistant Vice Chancellor James H. Whitney III

The 14th annual Aresty Summer Science Program culminated with a poster session, held Thursday, August 2nd in the Busch Student Center MPR.

The Summer Science Program is an intensive, full-time, on-campus research experience for Rutgers-New Brunswick rising sophomores who are matched with faculty mentors from a diverse array of scientific disciplines.

51 Summer Science Presenters
3.91 Average GPA

New Aresty Suite- Alexander Library, College Ave Campus

The center has moved to a newly renovated state of the art space to accommodate increased student demand and collaborative learning. In a partnership with Undergraduate Academic Affairs & University libraries several new initiatives have been established. Increased technology "One Button Studio", a New space for the Center with enhanced space and technology, and much more to grow as we expand the Centers work and undergraduate research in New Brunswick.

University Wide Open House
Fall 2019

Stay Tuned!
Young Alumni Spotlight

Vyom Sawhney
Class of 2018
Former RA, Peer Instructor

Career/Studies

"I have long wanted to pursue a career in medicine, aspiring to integrate my interests in clinical practice, education, and research. I joined the ranks of the NYU School of Medicine Class of 2022! Over the next four (or more!) years, I aspire to develop the knowledge and skills that will allow me to pursue my goals in academic and global medicine."

"I owe a lot of my personal development to the Aresty Undergraduate Research Center. During my second year, Aresty afforded me the opportunity to work alongside Dr. Eunsung Junn in his exploration of the role of microRNAs in the development and progression of Parkinson's Disease. Over the course of the year, I developed the technical and social skills necessary in the pursuit of research, which allowed me to later pursue a thesis and graduate with Honors in Psychology. During my third and forth years, my work as a Peer Instructor (PI) and Senior PI with Aresty allowed me to develop and hone the skills necessary for effective leadership and communication, skills that will prove invaluable during my pursuit of a career in medicine."

Alexia Ciarfella
Class of 2018
Former Summer Science RA, Peer Instructor

Career/Studies

"I began my career as a Food Product Development Scientist at Mondelēz International. As a Food Product Developer, I leverage my background in chemistry, microbiology, engineering, and consumer sciences to design or optimize foods. Every item you see in the grocery store has been worked on by Food Scientists— not just processed foods! It is our job to ensure that foods are safe to eat, maintain their quality over time, and meet consumer needs."

"The Aresty Research Center was an instrumental first step on my career path, as it provided me with relevant and

"
substantial experience before I even started working in my industry. Now I am realizing that my involvement in the Aresty Research Center helped me hone skills necessary for succeeding in my new role.

My involvement with the Aresty Research Center connected me with Dr. Ludescher, who not only mentored me throughout my undergraduate research career, but also already agreed to be my advisor for my graduate thesis. I owe so much to the Aresty Research Center- thank you!”