

State of the College
Research Update



John Stella, Vice President for Research | April 23, 2024

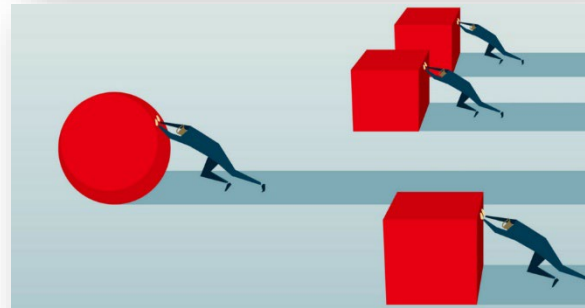
“We Are All in This Together”

ESF

The logo for the Environmental Science and Forestry (ESF) program. It consists of the letters 'ESF' in a white, serif font. Below the letters is a graphic element featuring a green leaf with a white vein and a yellow acorn with a brown cap.

Research Guiding Principles

- *Grow the pie*
- *Break down silos*
- *Fly farther together*
- *Work smarter, not harder*

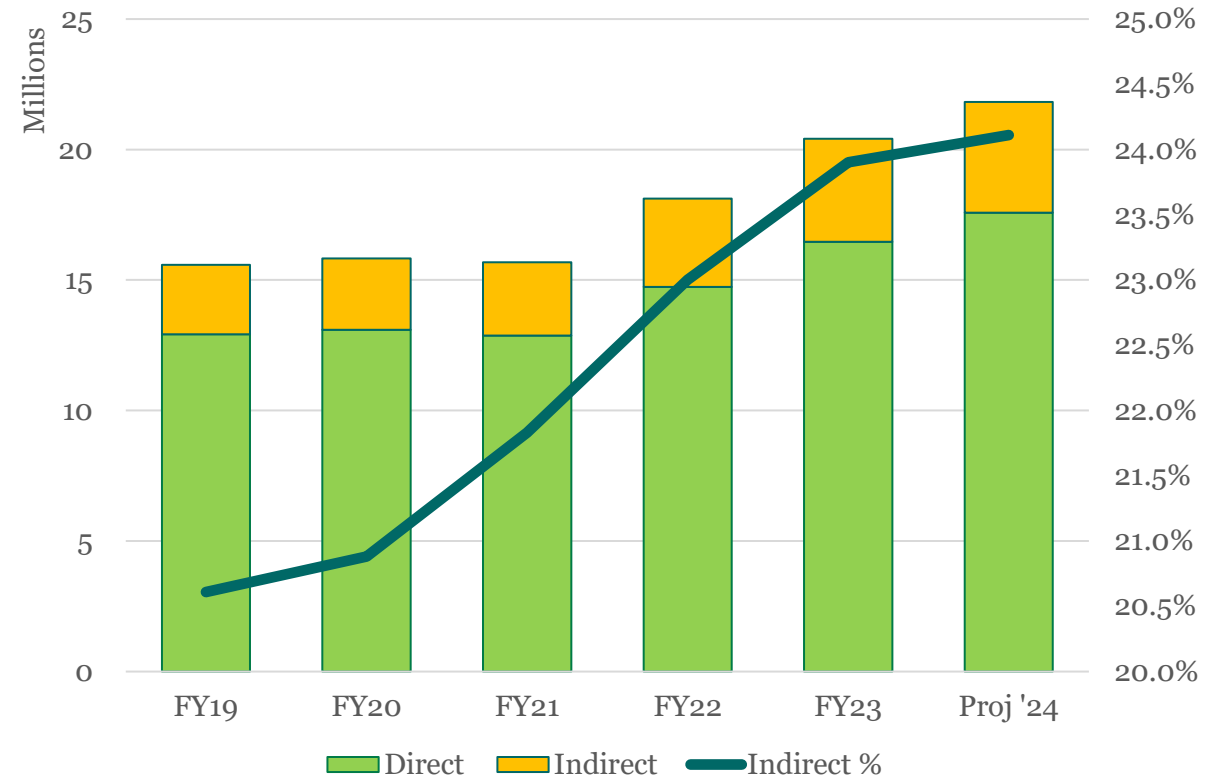


Research By The Numbers



Research Dollars

- \$20.4 Million in FY 2023
 - Projected \$21.8 Million in FY 2024
- Growth since FY 2021
 - + 39% total costs
 - + 51% indirect costs
 - Indirect ratio: 20.6% → 24.1%

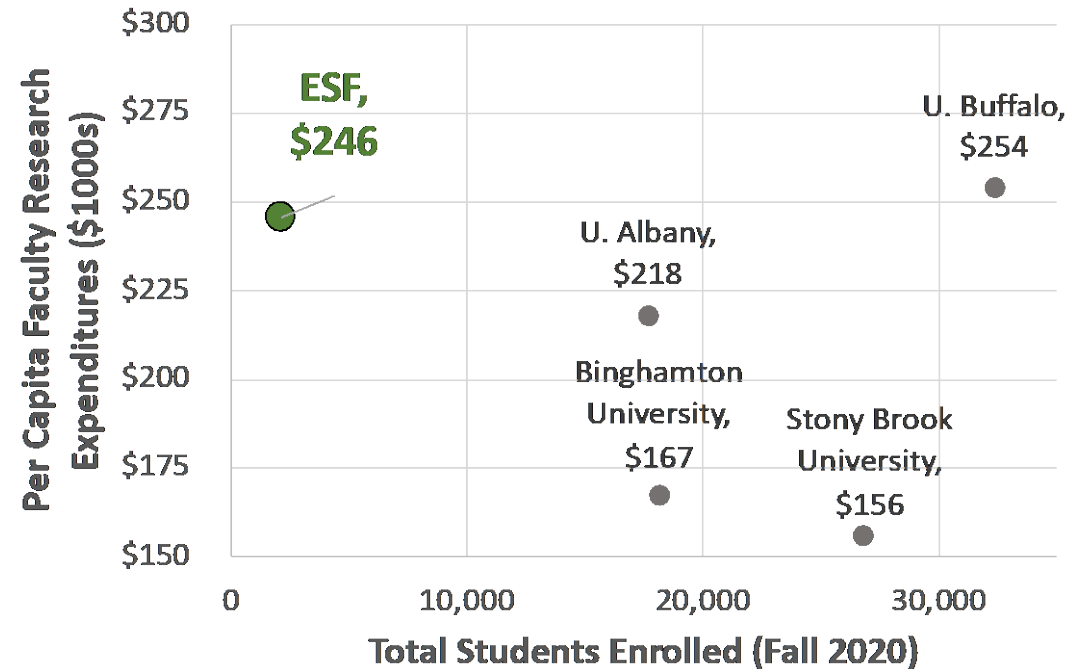


Small but Mighty...

- Smallest R2 nationally
- 2nd in R2 faculty productivity
- Highest productivity among SUNY doctorals, with UB

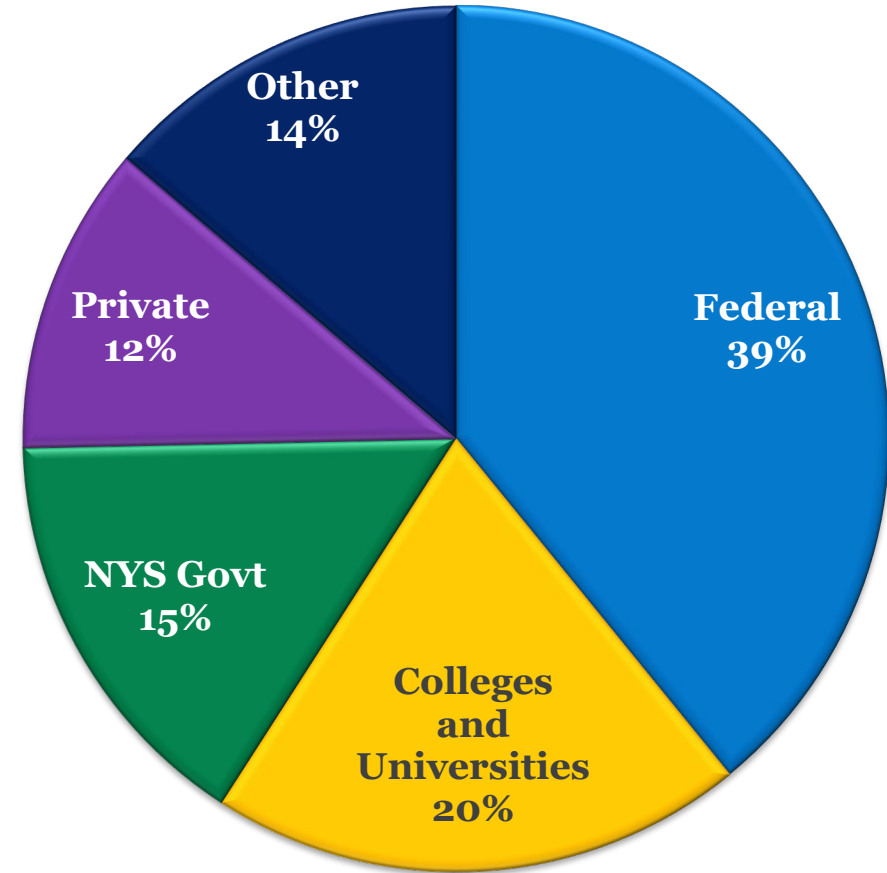
**Data from Carnegie Classification of Institutions of Higher Education, <https://carnegieclassifications.acenet.edu/>*

Research Expenditures per Faculty



More numbers...

- 225 proposals in FY 2023
- + 35% active awards
- + 72% Federal expenditures

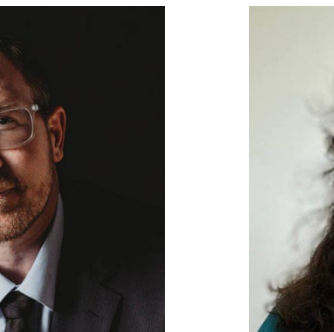
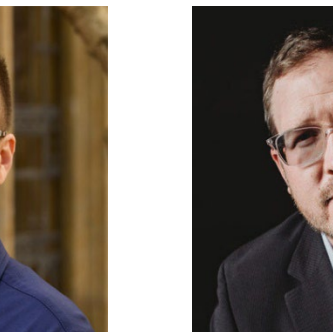
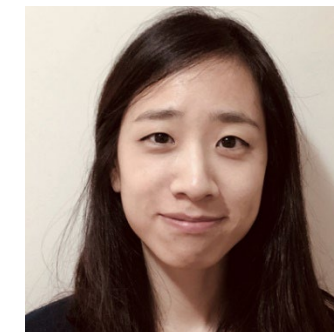


■ Federal ■ Colleges and Universities ■ NYS Govt ■ Private ■ Other

Research People

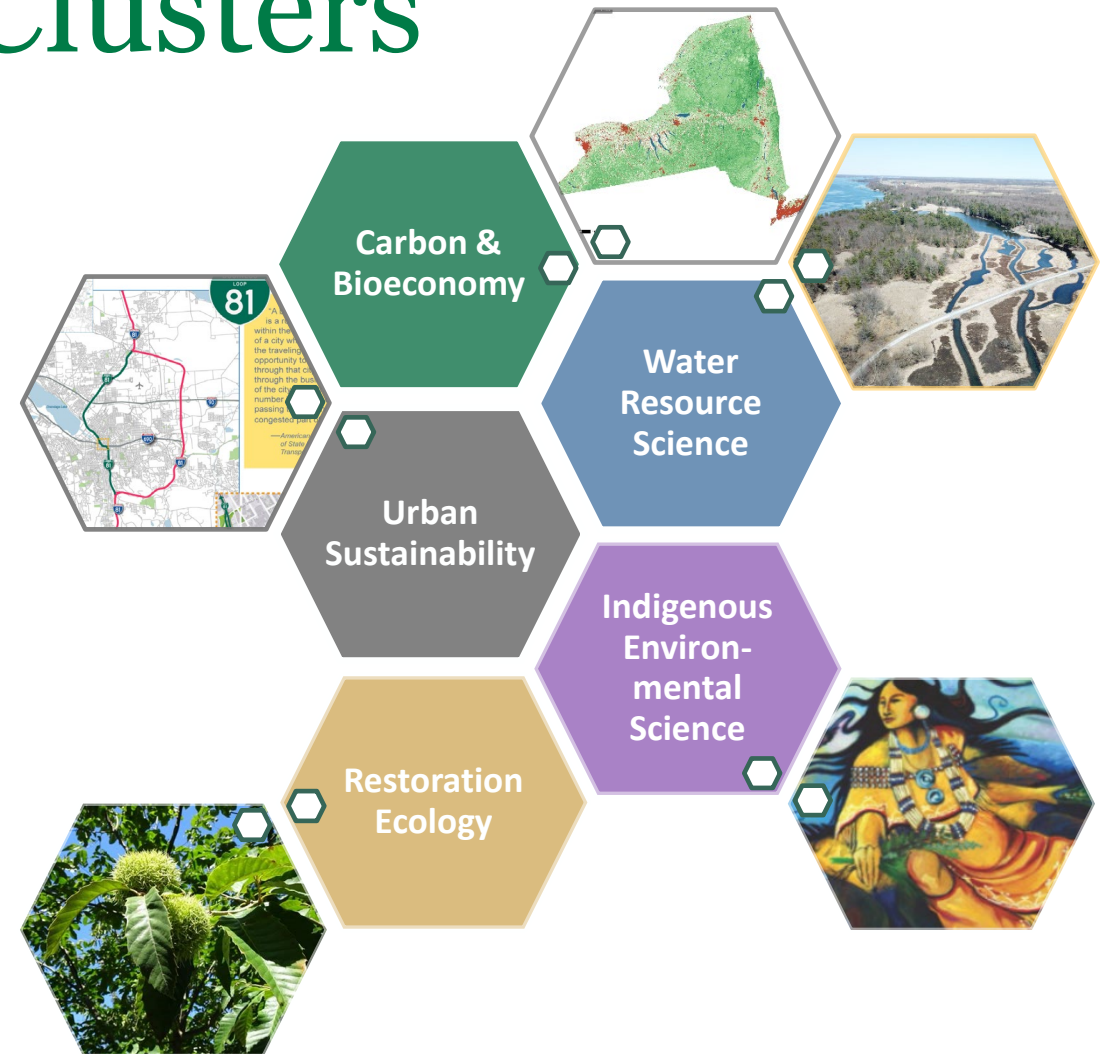


New Faculty Faces



Strategic Research Clusters

- Focus on big interdisciplinary ideas and deep funding sources
- Research Development 1.0
- SUNY GROW — Grants for Research, Opportunity, and Workforce



Focus on Research Development



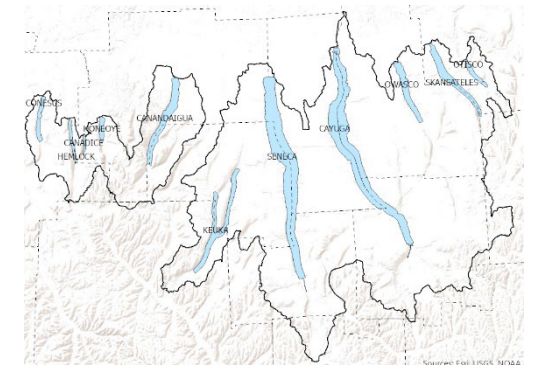
- PI orientation
- 1:1 research mentoring
- CAREER cohort
- Seed grants:
 - McIntire-Stennis
 - CoE in Healthy Water Solutions
 - Great Lakes Research Consortium
- SUNY GROW unit
- Partner visits

Building Relationships Around Water Science

- USGS New York Water Science Center
- NYS DEC Water Division, Finger Lakes Hub
- NYS Center of Excellence in Healthy Water Solutions (with Clarkson U.)
- Great Lakes Research Consortium
- Great Lakes Sea Grant Network

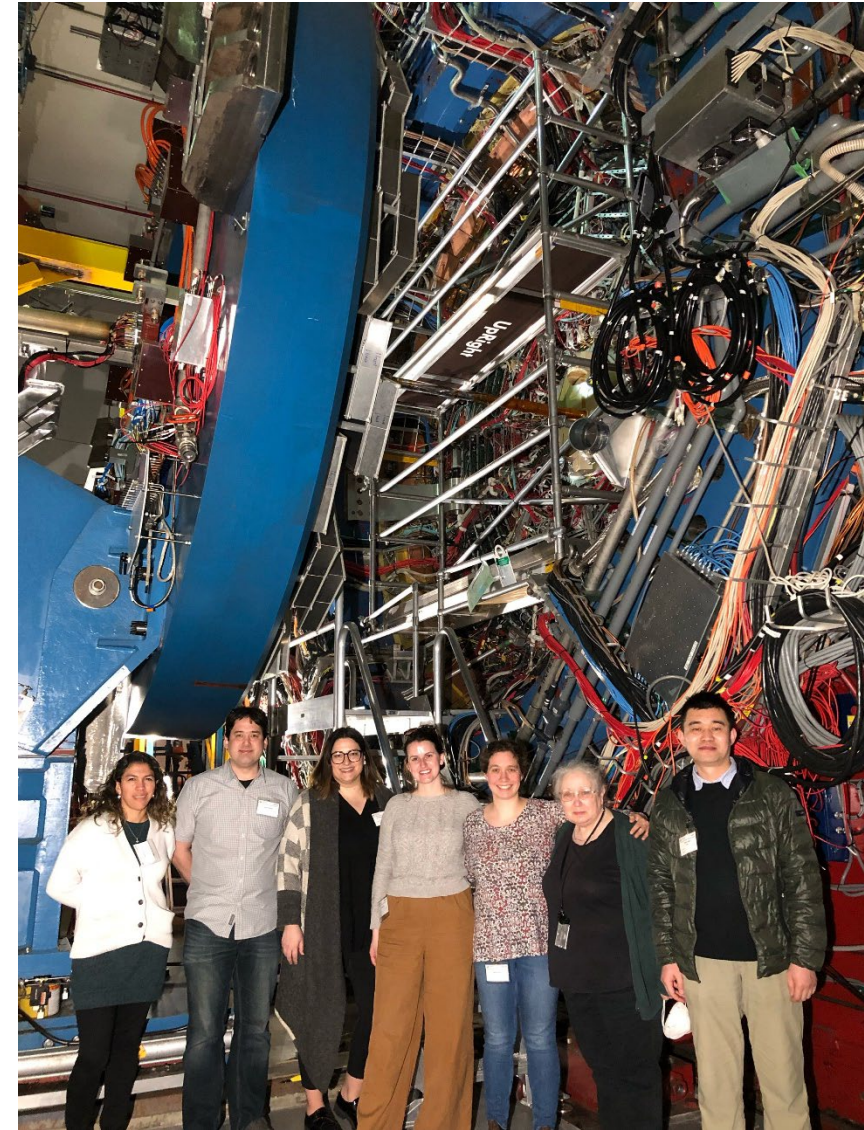


*NYS Center of Excellence in
Healthy Water Solutions*





Brookhaven National Laboratory



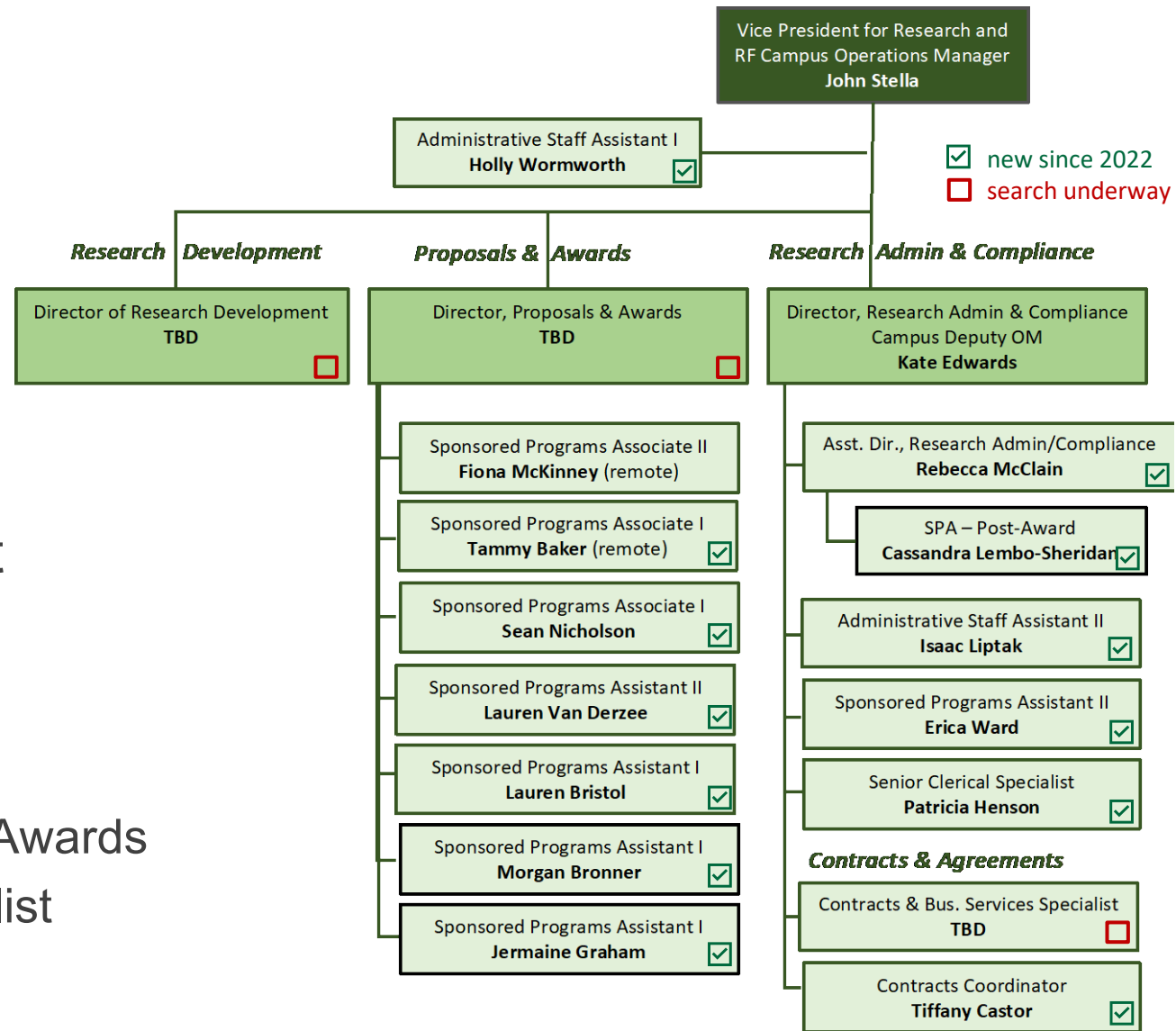
Research Incentive Funds

- Simplified and expanded prior policy
- RI distributions for FY20, FY21, FY22, FY23 coming soon
 - 3.5% of indirect returns to individual RI accounts
 - 2.5% of indirect returns to chairs' RI accounts
- New FY24 distributions to be paid out in September



New Research Office Team

- New faces, new roles
- Faculty point-of-contact
- Coming soon:
 - Director of Research Development
 - Director of Proposals & Awards
 - RF Procurement Specialist





Research Office Transitions

Searches in Process

Research Foundation Director of Proposals and Awards - Office of Research Programs

Department: Office of Research Programs

Posted: Mar 12, 2024 Closes: Open Until Filled

Position ID: 173572

Title: Director of Proposals and Awards Unit: Office of Research Programs (ORP) Position location: ESF's Syracuse campus; potential for partial hybrid Syracuse, NY

Director of Research Development

Department: Office of Research Programs

Posted: Mar 12, 2024 Closes: Open Until Filled

Position ID: 173588

Campus Title: Director of Research Development Budget Title: Senior Staff Associate Unit: Office of Research Programs Professional Rank and Salary Range: SL-5; Mid-\$90s to low-\$110,..... [Detail](#)
Syracuse, NY

Leadership Team



Interim VPR
(TBD)

Keith Kaplan
Interim Operations Manager
SUNY Research Foundation



Kate Edwards
Director of Research
Admin & Compliance
and Deputy OM

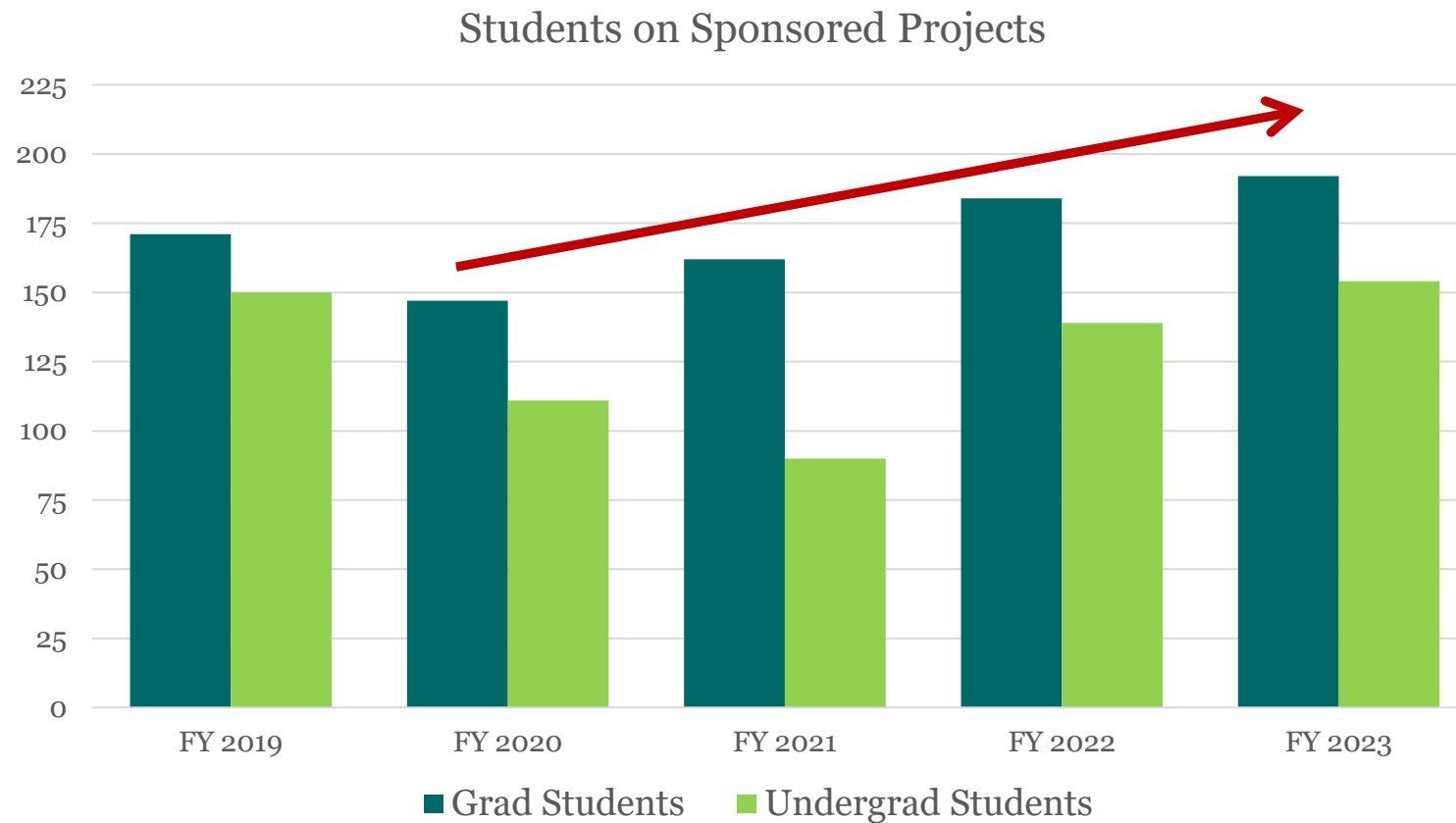


Rebecca McClain
Asst. Director of Research
Admin & Compliance

Student Research



Growing Student Research



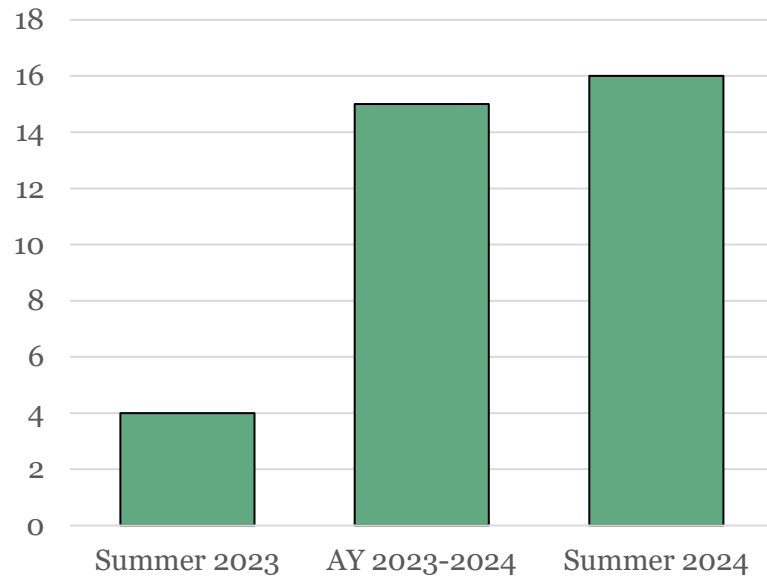
New Student Opportunities

SUNY Announces Expansion of the Chancellor's Summer Research Excellence Fund

04/17/2024

Albany, NY – April 17, 2024 – State University of New York Chancellor John B. King, Jr. today announced the expansion of the Chancellor's Summer Research Excellence Fund. A total of \$1.4 million will be invested to expand the number of paid internships from 150 to 170 for students from across six campuses. The internships will include 45 new experiences for students focused on Artificial Intelligence research. This is the second year of the program announced last April.

Federal Work Study Research Positions



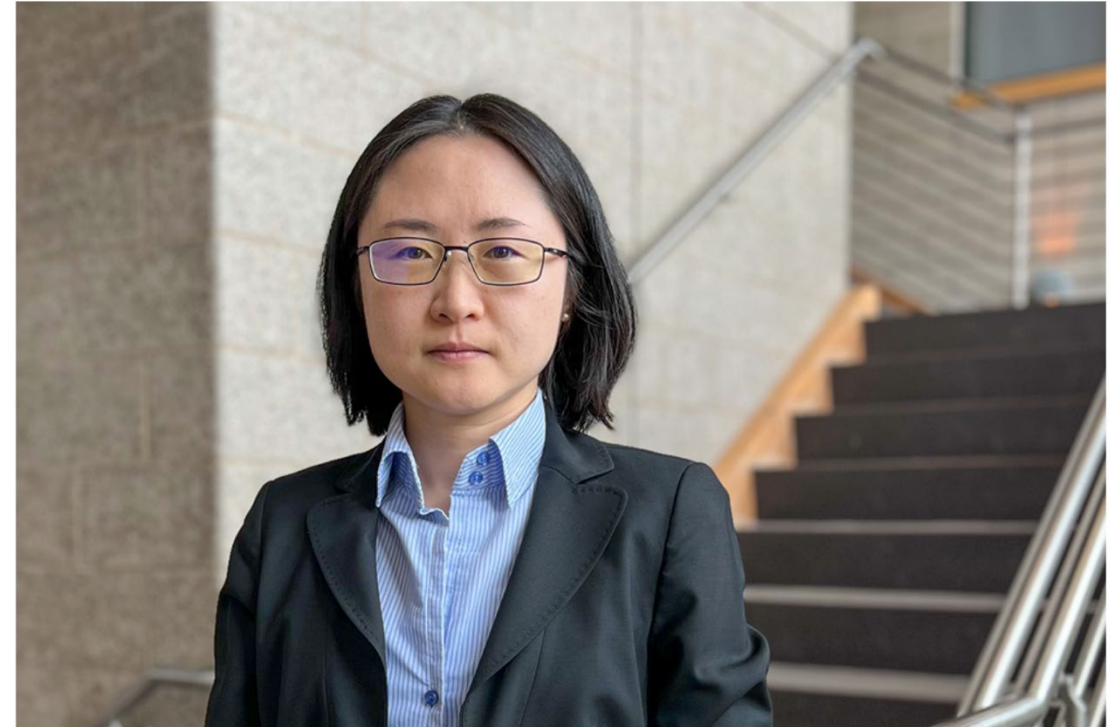
Research Stories



Research Stories: New CAREER Award



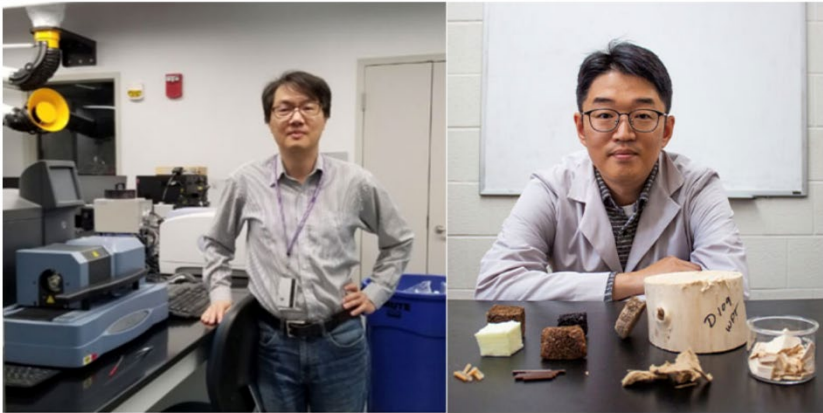
National
Science
Foundation



Dr. Yaqi You

**ESF's Dr. Yaqi You Receives
Prestigious NSF CAREER Award**

Research Stories: Bioeconomy and Carbon Accounting



Dr. Gyu Leem (left) and Dr. Chang Geun Yoo (right)

ESF Researchers Receive NSF Funding for Eco-manufacturing of Renewable Lignin-derived Products using Sustainable Energy

06/22/2023

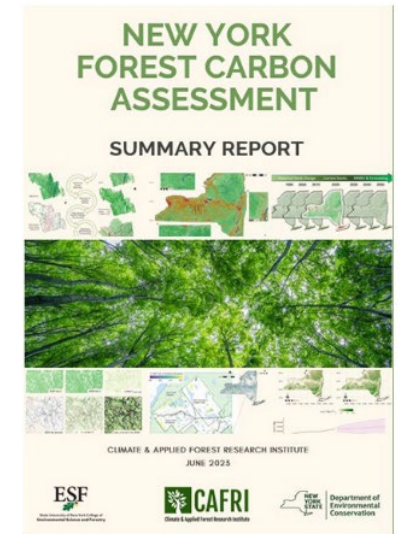
Syracuse, N.Y. – June 22, 2023 - Researchers at the [SUNY College of Environmental Science and Forestry \(ESF\)](#) – one of the nation’s premier colleges focused exclusively on the study of the environment, developing renewable technologies, and building a sustainable future – received a grant from the National Science Foundation (NSF) to further its research on carbon-neutral alternative sources for value-added chemicals currently sourced from petroleum and other fossil fuels.



Researchers at ESF Build a Map-Based Carbon Accounting System to Help NYS Meet Net-Zero Goal

10/30/2023

SYRACUSE, N.Y. – Oct. 30, 2023 – A new report by the Climate & Applied Forest Research Institute (CAFRI) and SUNY College of Environmental Science and Forestry (ESF) outlines the development of a map-based carbon accounting system and how it can be an essential tool for New York state to achieve its net-zero emissions target by 2050.



2023 New York Forest Carbon Assessment Summary Report

Research Stories: Water Resources



Dr. Melissa Rohde

**SUNY ESF Leads Groundbreaking
Research in Groundwater's Role
in Ecosystem Sustainability**

Screenshot



Dr. Jamie Shinn

**SUNY ESF Flood Recovery Research
Earns Nearly \$800,000 in Funding
through National Science Foundation's
Civic Innovation Challenge**

Screenshot

Research Stories: Civic Engagement & Design

Jean Yang Named SUNY Civic Education and Engagement and Civil Discourse Fellows

04/19/2024

Syracuse, NY – April 19, 2024 – Assistant Professor Jean Yang at [SUNY College of Environmental Science and Forestry](#) (ESF) has been selected as one of 10 Civic Education and Engagement and Civil Discourse Fellows within the SUNY system.

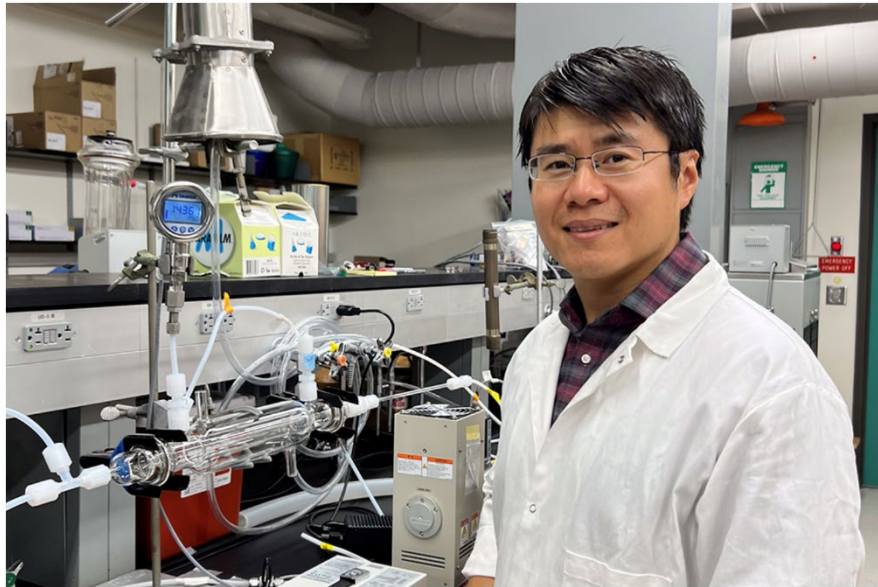
Joining ESF's Department of Landscape Architecture in Fall 2023, Yang is a landscape designer, urban planner, and educator with a focus on design-driven, equity-focused, and benefits-based landscapes.

Her portfolio includes analysis, design, and advocacy for public spaces in historically marginalized areas. Prior to ESF, she served as a senior associate at Studio-MLA and taught at UCLA, Cal Poly Pomona, and the University of Oregon as a Spatial Justice Fellow. Yang's accolades include the Azure Award for Urban Design Vision, the Southern California ASLA Merit Award, and the National ASLA Honor Award.

The Fellows aim to bolster SUNY's dedication to civic engagement as a fundamental aspect of higher education, fostering civil discourse among students, faculty, and staff across campus communities.

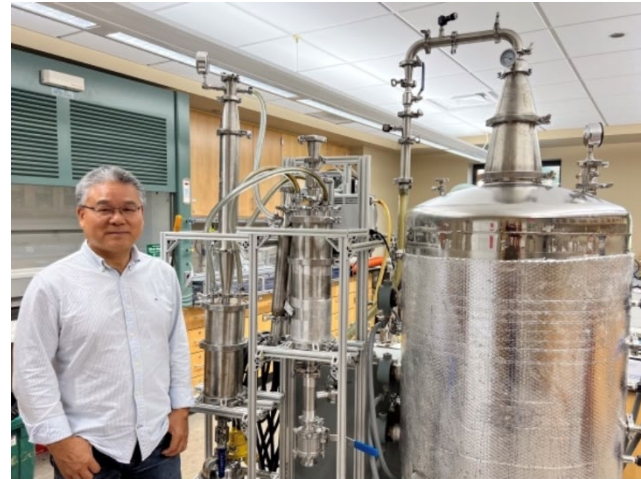


Research Stories: Pollution Prevention & Mitigation



Dr. Jiajue Chai

**NSF Funds ESF Research Focused on
Improving Air Quality in Major Metro Areas**



Dr. Wendong Tao stands with his vacuum stripping and absorption prototype.

**ESF Professor Dr. Wendong Tao Receives
SUNY Technology Accelerator Fund Award**
Award will advance sustainable
wastewater treatment research

Research Stories: Biotechnology & Ecosystem Restoration



Lauren Petracca for The Washington Post



ESF's American Chestnut Restoration Program Receives More than Half a Million Dollar USDA Grant

11/08/2023

SYRACUSE, NY – Nov. 8, 2023 - The American Chestnut Restoration Project at the SUNY College of Environmental Science and Forestry (ESF) received a \$636,000 grant from the USDA's National Institute of Food and Agriculture's (NIFA) Biotechnology Risk Assessment Grants (BRAG) program.

The Future...

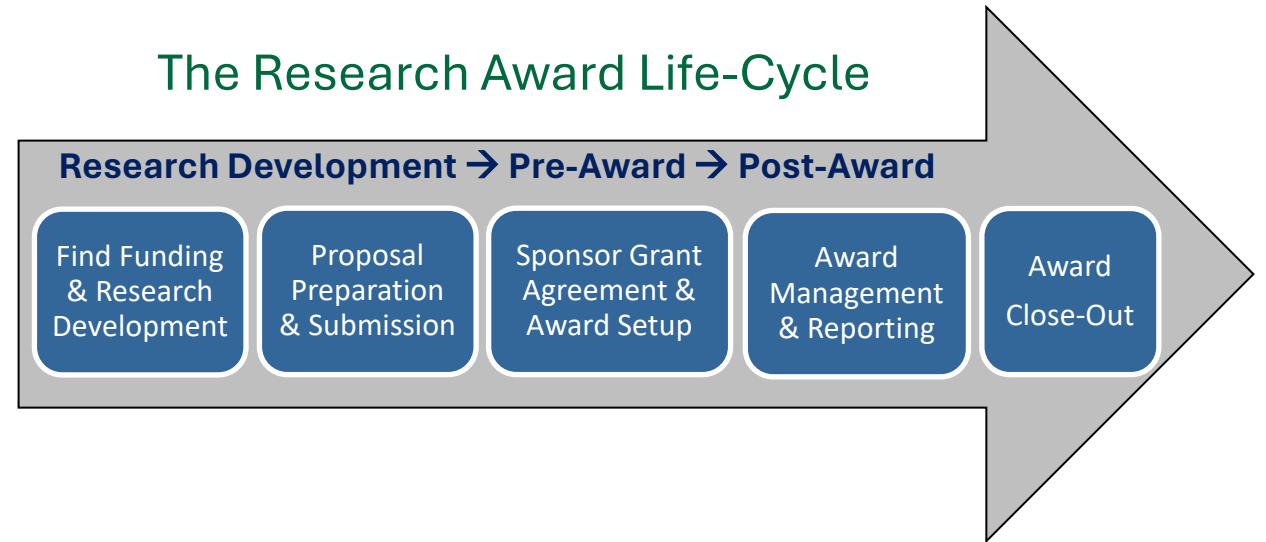
ESF



Coming soon:

- Web site info for PIs
- Updated policies and procedures
- RF process review & revision
- RF purchase requisition online form
- Strategic plan implementation

The Research Award Life-Cycle



ESF Research Foundation
Purchase Requisition Form

Please use this form for RF Purchase Requisitions Only

Please complete this form and upload any supporting documentation that will assist in advancing your request. Upon completion, an authorization request email will be sent to your identified approver. Please allow, at a minimum, ten business days to process your requisition.

Start now

An aerial photograph of a large group of people standing on a green lawn, forming a large number '7'. The number is composed of many individuals, some wearing red shirts. The lawn is surrounded by paved walkways and some outdoor furniture like tables and benches. In the background, there are trees and a building with a small structure on its roof.

We Are All in This Together

(315) 470-6606 | research@esf.edu