



**COLLEGE OF NATURAL RESOURCES**  
**Fall All College Meeting | August 28, 2020**



# Thank You!



# Leadership Team Updates

- Myron Floyd, Dean
- Melissa Pasquinelli, Associate Dean for Academic Affairs
- Richard Venditti, Interim Associate Dean for Research
- Bob Bardon, Associate Dean for Extension & Engagement
- Stacy Nelson, Interim Associate Dean for D & I
- Shane Jarvis, Assistant Dean for Finance & Business
- Lara Fuenmayor, Assistant Dean for Advancement
- Erin Sills, Interim Department Head, FER
- Marko Hakovirta, Department Head, FB
- Michael Kanters, Interim Department Head, PRTM
- Ross Meentemeyer, Director, CGA

# New Leadership Team Members

## **Sarah Corica**

*Director of Marketing and  
Communications*



## **Josh Gira**

*Director of Information and  
Instructional Technology & Operations*





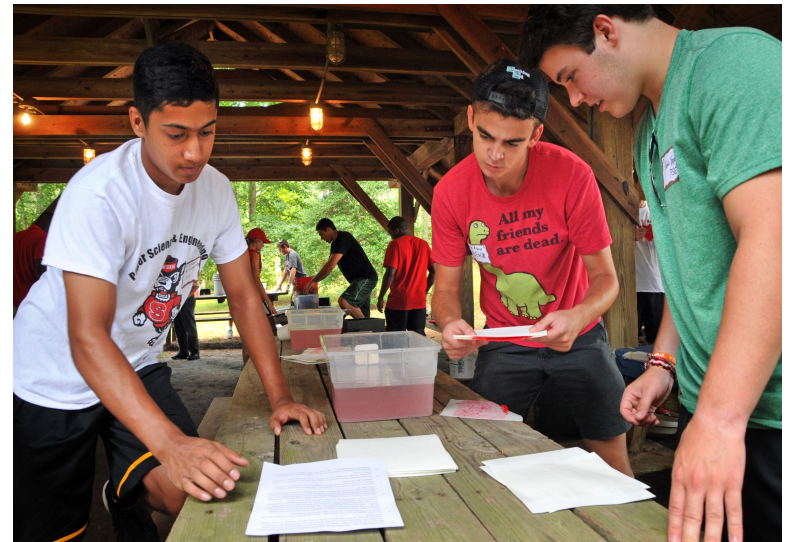


# Academic Affairs Updates

# Academic Affairs

## Environmental Career Day 2020

- In response to Covid-19, a month-long virtual event throughout April.
- The College and departments offered a variety of events ranging from alumni panels to major “hangouts” with current students.
- A total of 198 individuals registered with 104 individuals attending at least one event.



## Undergraduate Student Enrollments

		First Year*	External Transfer	Total
<b>TOTAL ENROLLED (As of 8/24/20)</b>		258	98	1681*
<b>GENDER</b>	<b>% Female</b>	49%	40%	41%
<b>ETHNICITY</b>	<b>% Non-White</b>	14%**	20%**	19%**
<b>RESIDENCY</b>	<b>% Out-of-state</b>	18%	9%	14%
	<b>% International</b>	0.7%	2%	2%
<b>AREAS OF NC</b>	<b>Tier 1 (rural)</b>	7%	8%	
	<b>Tier 2</b>	20%	19%	
	<b>Tier 3 (urban)</b>	54%	61%	

\*Including EFY-PSE students

\*\*Non-white also includes students who identified as more than one ethnicity

## Graduate Student Enrollments

		Masters (MS/MR)		Doctoral	Total
		Traditional	Online		
TOTAL ENROLLED (As of 8/24/20)		72 (31 new)	215 (70 new)	144 (26 new)	431 (127 new)
GENDER	% Female	55%	42%	42%	44%
ETHNICITY	% Non-White	22%	13%	29%	20%
RESIDENCY	% Out-of-state and International	33%	19%	52%	32%





micromeritics  
Gemini VII  
Surface Area and Porosity

Research Highlights 2019-2020

# Research Highlights

## CNR Research 2019-2020

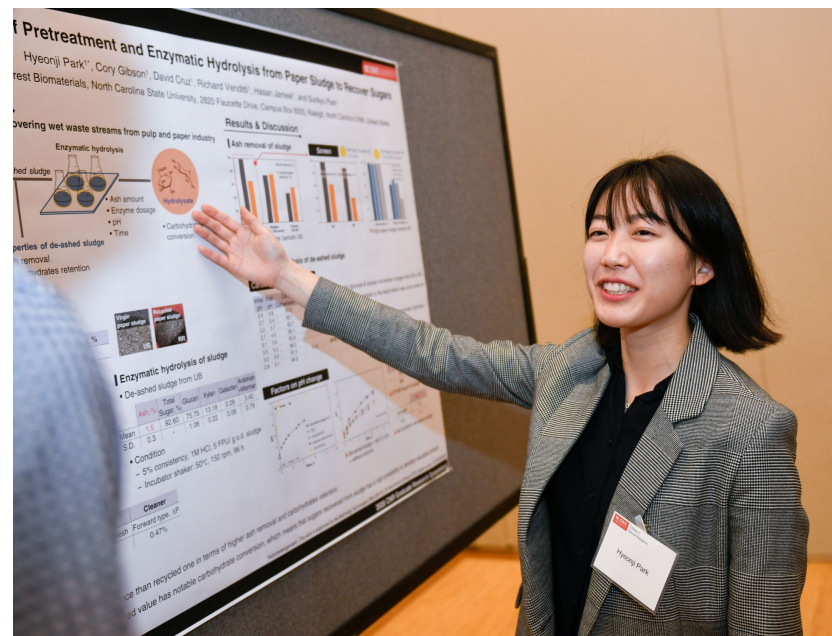
- 269 proposals submitted, \$55.3M (224, \$49M last year)
- Received 250 awards, \$11.3M (183, \$9M last year)
- 23 awards (\$6M) with other colleges
- 63% from national funding agencies (e.g., NSF, USDA, DOE)
- Total expenditures \$8.6M



# Research Highlights

## 3rd Annual CNR Graduate Research Symposium

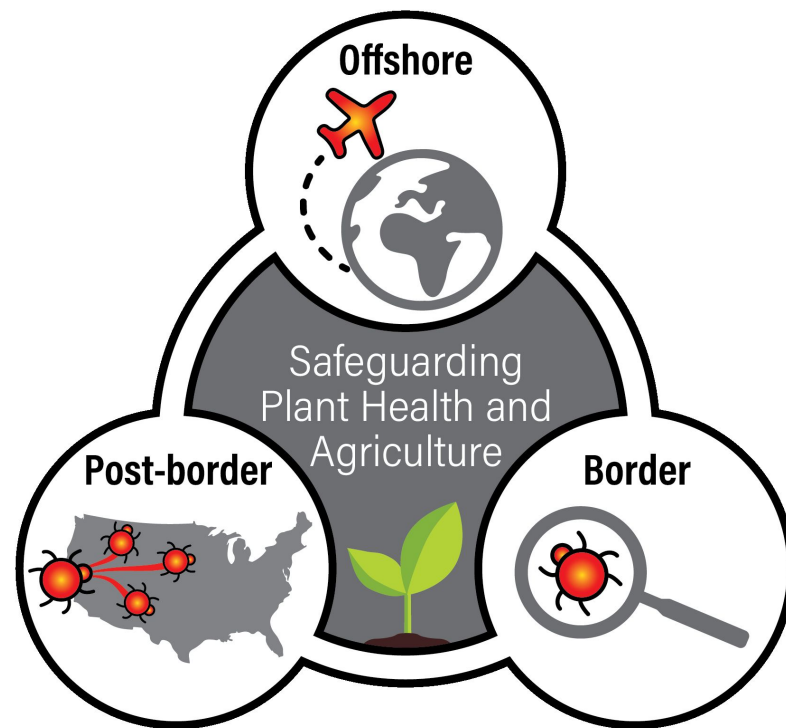
- Co-sponsored by Eastman Chemical was held on February 26, 2020 in the Talley Student Center.
- The event had 50 student presenters, 30 judges, 20+ visitors and 30 faculty registered.





# New Awards

**Center for Geospatial Analytics (CGA)** new partnership with USDA Animal and Plant Health Inspection Service (APHIS) for \$1M+ per year in perpetuity to forecast and control the spread of invasive pests and pathogens in the United States.



# New Awards

## **Dr. Jennifer Richmond-Bryant**

(FER) is the lead on a newly funded \$10.8 million, 5-year NIEHS Superfund Research Center grant. This project characterizes toxicology, cardiovascular effects, and human exposure to hazardous waste treatment in LA.



## New Awards

**Dr. Ronalds Gonzalez** (FB) and co-researchers received funding from the Chancellor's Innovation Fund based on technology they have developed (patent pending), Tissue Paper with Reduced Fiber and Methods of Manufacture. This technology could lower production costs by up to 14% — potentially saving manufacturers more than \$1 billion a year.





# New Awards

**Dr. Yu-Fai Leung (PRTM)** received an AC21 Special Project Fund grant.

- Supports travel to Antarctica to study tourism impacts
- Leading six country collaboration to develop a global research agenda for tourism



# COVID-19 Related Proposals

- Use of nano-graphitic adsorbents with natural antipathogenic compounds (e.g., thymol from the thyme plant) (Venditti)
- Containerboard with anti-pathogenic coatings from tree derived polymers (Gonzalez)
- Family farms resilience and challenges under COVID-19 containment measures (Barbieri)
- Use of hemp as an anti-pathogenic (Pal)



**Lincoln Larson** and colleagues (PRTM) surveyed ~1500 NC State students on the impact of the COVID-19 pandemic on health and well-being.

**Preliminary results show changes in behavior and mental health, such as...**

- limiting exercise, social interactions, and other healthy habits
- elevated feelings of anxiety, social isolation, stress, sadness, fear, depression, and boredom
- lack of motivation, inability to be productive, and difficulty concentrating







# Diversity & Inclusion



## Office for Institutional Equity and Diversity

### News

[Back to OIED](#)[Vice Provost](#)[Features](#)[People](#)[Subscribe](#)

# University Leaders Commit to Strengthening Racial Climate



June 8, 2020 | [OIED Staff](#)

Two weeks after a pivotal turning point in the continuing fight for civil rights, another national reckoning on race America has begun.

On May 25, 2020, George Floyd, a 46-year-old Black man, died in Minneapolis, Minnesota after a White police officer knelt on his neck for eight minutes and 46 seconds while he was handcuffed and face down in the street, pleading for help and then unable to breathe. Two other officers also

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[leadership](#), [Minneapolis](#), [protest](#),  
[racism](#), [Sheri Schwab](#), [statement](#)

#### OTHER TOP NEWS

##### Welcome Back, Wolfpack!

Vice Provost Sheri Schwab issues a fall welcome message to the campus community. [→](#)

##### Save the Soul of America: Interview with Rupert Nacoste

Diversity Digest sat down with psychology professor Rupert Nacoste to discuss his new book, To Live Woke: Thoughts to Save the Soul of

# Diversity Committee



Eric Money, CGA



Rachel Kasten, CGA



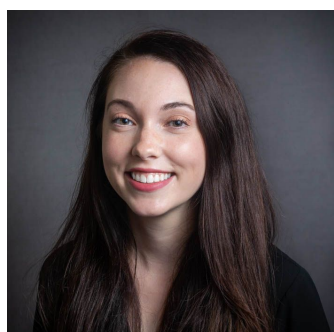
Caren Cooper, FER



Renee Strnad, FER



Ilona Peszlen, FB



Brittany Hayes, FB



Kim Bush, PRTM



Edwin Lindsay, PRTM



Tremaine Brittian,  
Academic Affairs  
(ex-officio)

Institutional Strategy and Analysis (formerly Office of Institutional Research and Planning)  
**Fall 2019 Campus Climate Survey -- <https://oirp.ncsu.edu/ccs19/>**

College of Natural Resources <div> <div>Undergraduate</div> <div>Graduate</div> </div>	Strongly Agree	Somewhat Agree	Neither Agree nor Disagree	Somewhat Disagree	Strongly Disagree	Total (N)
CK2: Enhancing ability to participate in multicultural society should be a part of university mission	64.2%	21.2%	11.9%	1.6%	1.0%	193
	76.1%	19.4%	4.5%	0%	0%	67
C2M: Building diverse/inclusive community should be key goal of NCSU	71.1%	18.0%	7.2%	3.1%	0.5%	194
	80.6%	13.4%	6.0%	0%	0%	67
	None	A Few	Some	Most	All	Total
E3: Number of <b>classes</b> with diversity issues clearly integrated	15.1	46.4	27.9	10.6	0	179
	36.4	34.8	18.2	9.1	1.5	66
	Very Positive Influence	Somewhat Positive Influence	Neither Positive nor Negative Influence	Somewhat Negative Influence	Very Negative Influence	Total
E4: Impact of <b>courses</b> on thinking about/understanding of diversity	31.1%	49.0%	16.6%	2.6%	0.7	151
	35.7%	47.6%	16.7%	0%	0%	42
E5J: Influence on thinking about diversity: College/department activities/events	43.9%	32.9%	21.3%	1.9%	0%	155
	45.0%	30.0%	20.0%	5.0%	0%	60
E6A: Influence of NCSU: Likelihood	42.0%	32.0%	23.1%	1.8%	1.2%	169



# Integrating Diversity into our Curriculum

## Development Approach

1. Initial survey of the 100/200-level courses in the college curricula to identify gaps and areas for expansion of current and historical understandings around natural resources and indigenous land tenure, diversity and racial legacies, and environmental justice issues.
2. Work with course instructors to identify diversity, social and racial justice topics germane to the subject areas.
3. Develop 20-30 minute diversity teaching modules to introduce the identified topics in those courses.
4. Evaluate overall impact for students within the selected courses.

## One Primary Outcome

- Establishes a digital Diversity Library of materials that can be continuously expanded.

THINK  
AND DO  
THE  
EXTRAORDINARY



The Campaign  
for NC State

**Advancement Highlights**

The **Karla A. Henderson Distinguished Professorship** was established by a \$1 million gift.

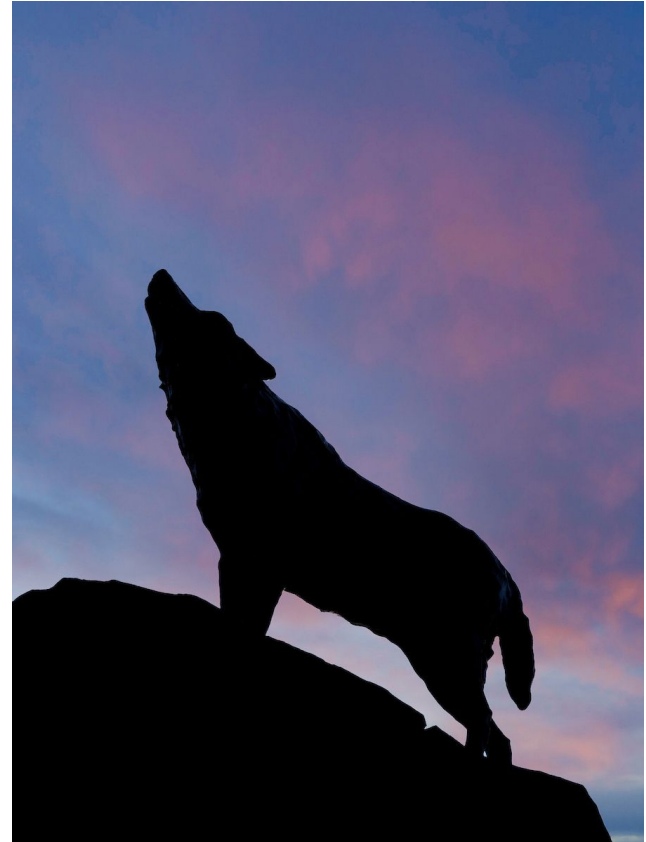
**Tom and Ellen Davidson Leadership Endowment Fund** to support experiential learning opportunities.

**Dr. Richard J. and Margaret M. Thomas Endowed Lecture in Natural Resources** to support an annual lecture in the Department of Forest Biomaterials.



# Student Emergency Fund

- As of today, the current amount of the NC State Student Emergency Fund is **\$1,264,260**.
- CNR has contributed **\$24,545** to the Student Emergency Fund.





# NC State Campaign

- **NC State:** As of June 30, NC State University has **raised more than \$1.7 billion, or 110% of our \$1.6 billion goal.**
- **College of Natural Resources:** As of June 30, the College of Natural Resources has raised **\$32.5M** towards our \$35M goal, **93% of our goal.**

NC STATE UNIVERSITY

THINK AND DO  
THE  
**EXTRAORDINARY**



The Campaign for NC State



# Extension Highlights

# Forestry Extension

The **Project Learning Tree (PLT)** trained 433 North Carolina K-12 educators on how to integrate environmental education into their teaching.

Trainings valued over \$37,000 and is supported by NC State Extension and 15 other organizations across the state.



<https://forestry.ces.ncsu.edu/ncplt/>

# Forestry Extension

- **Assisted Christmas Tree growers with implementing Fraser Fir harvest date guidelines** for improved needle retention and reduced incidence of problem trees; growers delayed harvest in 2019 by as much as a week to 10 days based on the extension guidelines, leading to better quality trees in the market.
- Major growers provide more than 2 million trees a year with an estimated wholesale value of \$50 million.





# Wood Products Extension

- Conducted six statewide workshops with industry and North Carolina citizens to promote effective and correct utilization and smart processing of wood.
- For the approximately 380 participants, it led to an estimated economic impact of \$4.1 million in upgraded product quality, improved understanding of markets, and better processing efficiency.



# Wood Products Extension

- Secured \$249,739 from the US Forest Service to assess and review the current state of the North Carolina forest and wood products industry.
- The team will lead 30 meetings across the state, reaching landowners, loggers, log yards, sawmills, lumber drying operations, and firewood, cabinet, furniture, millwork, flooring and composite manufacturers.



# Tourism Extension

- **People-First Tourism** helped farmers generate more than \$48,000 in farm revenue through Vacationer Supported Agriculture Program (VSA).
- The VSA program (i.e., sale of produce bags to week-long vacation home renters) was offered in 3 North Carolina coastal counties, with involvement of over 20 local farmers.
- A total of 1,047 people bought one or more bags, and 33,457 people were exposed to the project and educated about buying local food and visiting local farmers.



<https://peoplefirsttourismmlab.blogspot.com/2020/08/reflect-ions-on-my-rural-works.html>



# Tourism Extension

**Agritourism and Societal Wellbeing Program** funded by NC State Office of Outreach and Engagement **expanded outreach to the craft beverage industry.** The project sought to increase awareness of community resources needed to support a sustainable craft beverage industry in North Carolina.







# The Year Ahead



# The Year Ahead

Budget Outlook

Strategic Planning

Decision-Making  
Framework

Dean's Priorities





# Budget Outlook

# Timber Deed Current Value

<b>Purchase Price (July 1, 2016)</b>	<b>\$78,046,107</b>
Reimbursement for closing costs	\$1,017,665
Withheld for FY17-18 spending and assessments	<u>\$7,065,426</u>
<b>Net Proceeds Invested</b>	<b>\$69,963,016</b>
Value 6/30/2019	\$82,227,902
<b>Current Value (6/30/2020)</b>	<b>\$80,025,708</b>



# CNR Budget - FY20 Expenditures

Fund Type	Dean	CGA	PRTM	FB	FER	Total
State App. Academic	2,270,111	1,668,772	3,451,047	2,599,632	6,810,450	16,800,012
Agricultural Research	166,365	0	200,864	605,327	900,927	1,873,483
Cooperative Extension	62,873	0	157,797	398,837	835,260	1,454,767
McIntire-Stennis*	217,325	0	106,028	134,096	496,902	954,351
Contracts & Grants	34,833	1,493,716	1,344,686	2,316,941	5,620,194	10,810,370
F&A Receipts	216,626	9,713	29,982	38,849	129,428	424,598
Foundations	1,053,870	9,234	253,606	933,514	592,438	2,842,662
Gifts to NC State	184,747	1,578	21,831	185,551	1,829,616	2,223,323
Endowments++	2,112,478	34,098	222,509	303,819	812,624	3,485,528
Other ##	560,668	91,759	279,770	1,851,735	244,202	3,028,134
<b>Totals</b>	<b>6,879,896</b>	<b>3,308,870</b>	<b>6,068,120</b>	<b>9,368,301</b>	<b>18,272,041</b>	<b>43,897,228</b>

\*Actual Expenditures for Federal FY19

++ Endowments includes Timber Deed proceeds

## Other includes Service Centers, Fees and Workshop Receipts

# Strategic Planning (tentative dates)

Strategic Planning Live Launch  
Friday, September 11, 2020 @ 2:00

Digital Questionnaire  
Early Fall

Listening Visit (digital)  
Late Fall

Vision/Values/Priorities  
Mid/Late Spring



TIDAL EQUALITY

 **ENVISION A  
WORLDWHERE  
EQUALITY  
IS THE NEW  
STATUS QUO**

COURAGE · CURIOSITY · CANDOUR · EMPATHY · EQUALITY



# LEADERSHIP TEAM STRATEGIC FRAMEWORK 2020-21

## Vision

By the end of this year we are all **thriving**, we are all **stronger** and more **just**, and despite the challenges around us, together we are all creatively and courageously **creating new and sustainable value for people & planet**

## Mission

We create and deliver world class education, new knowledge, new technology, and empowered leaders - to help address the grand challenges of our people and planet

## Values

curious + connected + accountable + innovative + sustainable + just

# **LEADERSHIP TEAM STRATEGIC FRAMEWORK 2020-21**

## **Strategic Priority 1**

New value in online and face-to-face education + research + extension

## **Strategic Priority 2**

New resources + new efficiencies in our budget in alignment with our vision and values

## **Strategic Priority 3**

Center equity, inclusion, and justice in everything we do and every decision we make



# Dean's Priorities

- **COVID-19 Response**
  - Long-term impact - academic, research, and extension programs
- **Enhancing Community**
  - Improve communication
  - Foster empathy
  - Support our students
- **Leadership Team Transition**
  - Dept. Head searches
  - Associate Dean searches
  - Team building



# Dean's Priorities

- **Partnership Engagement**
  - Communicating impact
  - Building relationships
- **Diversity and Inclusion**
  - Enhance our culture
  - Continue work on “infrastructure”





# Q & A

