State of the College

David Ackerly, Dean

November 4, 2021
Presentation Outline

● Programs and Leadership
● Students
● Faculty Hiring
● Diversity, Equity, and Inclusion
● Buildings and Facilities
● Development and Finances
● Launching a Strategic Plan
# Department Overview

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Faculty and Graduate Degrees</th>
<th>Undergraduate Majors</th>
<th>Undergraduate Minors</th>
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<tbody>
<tr>
<td>ARE</td>
<td>15.5/1 PhD</td>
<td>EEP</td>
<td>EEP</td>
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<tr>
<td>ERG</td>
<td>6/- PhD</td>
<td>EEP</td>
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<tr>
<td>ESPM</td>
<td>51/15 PhD</td>
<td>Energy &amp; Resources, Sustainability*</td>
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<tr>
<td>NST</td>
<td>12.5/1</td>
<td>2 PhD</td>
<td>Metabolic Bio Master’s</td>
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<tr>
<td>PMB</td>
<td>25/1</td>
<td>2 PhD</td>
<td>MB, GPB</td>
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*Summer minor
Professional Degree Programs, in development

- Master of Nutritional Science and Dietetics (MNSD, NST)
  - Proposal under review for approval
  - Master’s degree will be required for professional accreditation as registered dietitian
  - Self-supporting program

- Master of Climate Solutions
  - Collaborative degree with three departments—ERG, ESPM, and ARE—and going to campus for review
  - Stand-alone, self-supporting 1 year Master’s, and will also be a concurrent degree with Haas MBA
Berkeley’s new Indigenous Community Learning Garden takes root

This fall, students are earning field study credits through the Department of Environmental Science, Policy and Management to establish the garden, discover traditional Indigenous uses of native species, and more.

Dan Kammen to advise USAID on sustainable energy development

A leading expert in renewable energy science, technology, and policy, Kammen primarily works with the agency’s PowerAfrica team to expand access to sustainable power across in African nations.
2021 Horace Albright Lecture

In Conversation with Elizabeth Kolbert

Wednesday, Nov. 17, 12-1:30

To register, go to:
https://nature.berkeley.edu/albright
College Leadership

Dean
David Ackerly

Associate Deans
Nick Mills
Allen Goldstein
Kate O’Neill
Isha Ray

Assistant Deans
Lee Borrowman
Kathryn Baldwin
Mio Owens
Joshua Dullaghan

Department Chairs
Jeff Perloff
Duncan Callaway
Hei Sook Sul
Paolo D’odorico
Sheng Luan

Dean’s Office Senior Staff
Adrienne Hink
Ard Locht
Tony Gamez
Julie Gipple
Rausser College Advisory Board

https://nature.berkeley.edu/alumni-friends/advisory-board
Rausser College Executive Committee

Jill Banfield
ESPM

Stephanie Carlson
ESPM

Marco Gonzalez-Navarro
ARE

Kris Nyogi
PMB

Ignacio Chapela
ESPM

Alastair Iles
ESPM

Mary Wildermuth
PMB

Lara Kueppers
ERG

Greg Aponte
NST

Newly Elected for 2021-2022
Raussner College Student Advisors (OISA)

Left to Right: Temple Byars, Anna Hoehenrieder, Patricia Helyer, Meaghan DeRespini, Craig Crossley, Joshua Dullaghan, Jenny Miner, Sarah Rhoades, Kate O’Neill, Leleña Avila, Katie Owensby

Graduate Student Affairs Officers

Carmen Karahalios
ARE

Candace Groskreutz
ERG

Bianca Victorica
ESPM

Ryann Madden
ESPM

Majabeen Samadi
NST

Lyn Rivera
PMB
Students
Rausser College by the numbers

**Spring 2021:** Largest graduating class
661 graduates

**Fall 2021:** Largest ever incoming class
637 *First-year students* 131 *Junior transfers*

Rausser College has a diverse student body*

<table>
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<tr>
<th>Percentage</th>
<th>Description</th>
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<tr>
<td>70%</td>
<td>Of undergrads identify as female</td>
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<tr>
<td>66%</td>
<td>Of domestic undergrads identify as URM or Asian</td>
</tr>
<tr>
<td>59%</td>
<td>Of grad students identify as female</td>
</tr>
<tr>
<td>34%</td>
<td>Of domestic grad students identify as URM or Asian</td>
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*All percentages have increased since last year*
OISA Highlights

- Awarded over $94k in the **Sponsored Program for Undergraduate Research** to faculty and student-initiated programs in 2020-21.
- Awarded over $22k for **10 Summer Internship Grants** in 2021.
- Successfully **reopened the Student Resource Center and Computer Lab** in August 2021. Providing a hybrid delivery of advising services to include virtual and in-person appointments and drop-in advising.
- Have held **numerous in-person events this fall** including our New Student Ice Cream Social and Student Org Fair, Painting with the PALs, and Dinner with the Dean.
2021 CACS Sustainability Awards

Sarah Bancroft
Society & Environment
Fossil Free Cal, ASUC Eco-Senator

Leonela Leon
Society & Environment
Co-Lead of ASUC Department of Unsustainable Partnerships, SCEC Organizer

Sabina Mahavni
Environmental Economics & Policy
Zero-Waste Initiative Lead

Alejandra Marquez
Society & Environment
Cal Dining Food Literacy Coordinator

Julia Sherman
Genetics & Plant Biology
Chair of Zero Waste Coalition, Residential Sustainability Program Lead

Sarah Xu
Environmental Economics & Policy
Community Engagement Lead at SERC

https://sustainability.berkeley.edu/news/2021-cacs-sustainability-awards
Faculty and CE Specialists
Faculty Awards

20 members of the National Academy of Sciences

30 American Association for the Advancement of Science Fellows

6 Guggenheim Fellows

3 Wolf Prize Winners

7 members of the American Academy of Arts and Sciences

7 Macarthur Fellows
2020-2021 Honors and Awards*

**Internal Awards**

- Tim Bowles (PMB) wins Faculty Mentor Award
- Mary Wildermuth (PMB) and Maryani Palupu Rasidjan (ESPM) receive Faculty Award for Outstanding Mentorship
- Patina K. Mendez (ESPM), Ashley Reaver (NST), Mary Wildermuth (PMB), Dhruv Patel (PMB), and Albert Ruhi (ESPM) received campus-wide UC Berkeley Extraordinary Teaching in Extraordinary Times Award

**External Awards**

- Barbara Baker (PMB) and N. Louise Glass (PMB) elected to National Academy of Sciences
- Ksenia Krasileva (PMB) receives NIH New Innovator Award
- Whendee Silver (ESPM) elected as an AGU Fellow
- Kathryn De Master (ESPM) recognized for instruction by Rural Sociological Society
- Rodrigo Almeida (ESPM) receives 2021 Lee M. Hutchins Award (Amer. Phytopathological Society)
- Vernard Lewis (ESPM, emeritus) selected as 2021 Founders’ Memorial Lecturer (Entomological Soc America)
- Mary Lesser (NST) receives Outstanding Dietetic Educator Award
- Allen Goldstein (ESPM) elected to American Association for Aerosol Research Fellows
- Claire Kremen (ESPM, emeritus) awarded Volvo Environment Prize

* Please send information about awards to Julie Gipple to have them featured on our website and social media
White House Appointments

- **Dan Kammen** (ERG) advising USAID on sustainable energy development
- **Inez Fung** (ESPM) serving on President’s Council of Advisors on Science and Technology
- **Patrick Gonzalez** (ESPM) serving in Office of Science, Technology and Policy on climate change and biodiversity
- **Rachel Morello-Frosch** (ESPM) serving on White House Environmental Justice Advisory Council
Faculty & CE Hiring, Starts Since January 2020

Kate Wagner
David Moore
Anna Arruda
Lau Gherardi
Meg Mills-Novoa

Chris Schell
Elizabeth Hoover
Ben Blonder
Sunaura Taylor
Youjin Chung

Peter Nelson
Rachel Brem
Karine Gibbs
Ceci Martinez Gomez
Ben Williams
Patrick Shih
Climate Equity & Environmental Justice Cluster

From left, Meg Mills-Novoa, Daniel Aldana Cohen, Maya Carrasquillo, Danielle Zoe Rivera and Zoé Hamstead
Faculty & CE Searches, 2021-2022

- Agricultural and Resource Economics
  - Two open positions with focus on Agriculture or Resources, and new Data-Driven approaches to these areas (one NT, one open rank)

- Environmental Science, Policy, Management
  - Forest Science and Climate Change (NT)
  - Physical Environmental Science (NT)
  - CE: Water Policy and Social Justice
  - CE: Forests and Fuel Management
New CE Hiring Initiative

● ANR received a legislative allocation of $32M to restore academic footprint and enhance statewide programs
● 12-20 new CE Specialists and up to 50 new Advisors
● Specialist proposals invited from all 9 general campuses and from non-AES units at UCB, UCD, and UCR

https://ucanr.edu/sites/anrstaff/Divisionwide_Planning/2021_Call_for_CE_Positions/
Diversity, Equity, and Inclusion (DEI)

Initiatives and Programs
Diversity, Equity, and Inclusion

Rausser College of Natural Resources is committed to sustainability with justice, in our research, teaching, and service, as well as our own community. We pledge to do everything we can to live by the values of equity, inclusion, and anti-racism.

Diversity at the departmental level

Each of the departments has a statement and a plan on diversity, equity, and inclusion. Learn more at the links below.

- Agricultural & Resource Economics
- Energy & Resources Group
- Environmental Science, Policy, and Management
- Nutritional Sciences & Toxicology
- Plant & Microbial Biology

DEI News and Events

- Berkeley’s new Indigenous Community Learning Garden takes root
- Alan Lara Cushing is leading the way for health equity
- Inequality built into the grid

More

DEI news

nature.berkeley.edu/diversity-equity-and-inclusion
Spotlight on Native American Heritage Month

November is celebrated by the U.S. as the Native American Heritage Month to recognize the history and traditions of First American Nations. Here, we spotlight researchers in the ESPM community who are studying the ties of Native American communities to their ancestral land and documenting environmental stewardship practices in forestry and agriculture and how they have been disrupted by European settlement and colonization. ESPM faculty and students are studying how the violent history of the North American land grab has led to the dispossession of First American Nations. ESPM faculty are also collaborating with Native American communities to more deeply understand this history and advocate for paths to reconciliation. The loss of control of ancestral land and its cultural and natural resources not only presents a serious threat to the resilience of indigenous food systems, livelihoods, and culture, but also contributes to environmental degradation.

https://ourenvironment.berkeley.edu/news/2021/11/spotlight-native-american-heritage-month-0
DEI Priorities and Programs

Faculty hiring and advancement
- Climate equity and environmental justice cluster
- Campus-wide leadership in development of faculty evaluation criteria and resources to enhance DEIB contributions*

Graduate admissions
- Most departments have moved to multi-step, rubric-based admissions processes to ensure inclusive excellence

Funding
- Allocation of Rausser funds to student-led initiatives and undergraduate DEIB programs

Baseline climate surveys
- Initiate annual surveys to track progress and identify priority issues

* https://ofew.berkeley.edu/support-faculty/diversity-equity-inclusion-and-belonging
Thank you to essential workers!
Inside Giannini Hall!

Berkeley Rausser
College of Natural Resources
Gateway Building - Data Sciences

https://light.berkeley.edu/o/the-gateway/
Anchor House
With new Nutritional Sciences Teaching Kitchen

https://capitalstrategies.berkeley.edu/anchor-house
New Graduate Housing at Gill Tract (south)

https://capitalstrategies.berkeley.edu/albany-village

Berkeley Rausser
College of Natural Resources
Gill Tract Service Building

AMERICAN CAMPUS COMMUNITIES
CNR FARM BUILDING RELOCATION STRUCTURE

[Image of the building]

[Map showing the location]

Berkeley Rausser
College of Natural Resources
Berkeley Forests
Acquisition of 3200 acre Marble Creek Forest

Appendix 3 - Bounday and Topography
Baseline Document Report: Marble Creek Property

Legend

Property
Berkeley Forests
Wildfire impacts

Forestry Camp

North Complex, 2020

Dixie Fire, 2021

Whitaker’s Forest
KNP Complex, 2021
Development and Finances

Philanthropy, Funding, and Revenue
Rausser College by the numbers

- **$52M**
  - Operating budget
  - (reduced from prior years)

- **$44.2M**
  - Sponsored research funding
  - (highest ever)

- **$190M**
  - Endowment
  - (and growing!)
Philanthropy Highlights 2020-2021

● Grace Kase and Harry Tsujimoto
  ○ $4M Tsujimoto estate gift added to Kase endowed fellowship in PMB

● John Swift DDF: $2.5M
  ○ Climate Equity and Environmental Justice Cluster
  ○ Native American Studies Cluster
  ○ International Students
  ○ Institute for Parks, People, and Biodiversity

● Estate gifts
  ○ $2.5M for ESPM, ERG programs and the Beahrs ELP
  ○ $1.3M Balling estate gift for ESPM grad student support
Philanthropy Highlights 2020-2021

- James and Katherine Lau
  - $500K over five years for climate equity student research and fellowships

- Annual Fund
  - $527,857 from 1,718 donors - an increase of 25% in dollars and 12% in donors over FY20
Strategic Plan & Vision
Rausser College of Natural Resources 2030
Launching a College Strategic Plan

- Our work on sustainability, health, and justice has never been more important.
- Diversity, equity, inclusion, and belonging (DEIB) are critical to our future, inside and outside the university.
- We face financial headwinds - costs rising faster than revenues, and finance reform 2.0.
- Across these three (and other challenges):
  - Are we focused, urgent, nimble, and fresh in our approach?
  - Can we be more than the sum of our parts across the College?
Strategic Planning Committee

- David Ackerly (Dean, chair)
- Jeremy Magruder (ARE)
- David Anthoff (ERG)
- Ron Amundsen (ESPM)
- Elizabeth Hoover (ESPM)
- Andreas Stahl (NST)
- Kris Nyogi (PMB)
- Michi Taga (PMB)
- Maggie Kelly (ESPM, CE Spec.)
- Lee Borrowman (CAO)
- Kathryn Baldwin (Development)
- Mio Katayama Owens (Int. & Exec Programs)
- Joshua Dullaghan (OISA)
- Nicole Lowy (ESPM Manager)
- Daniel Iacafano (CEO, MIG)
- Dan Amsden (MIG)
Strategic Plan Development Process

**Phase I: Understanding the Context**
- Task 1.1 Project Initiation Meeting
- Task 1.2 Strategic Plan Committee Formation
- Task 1.3 Leadership Meetings and Key Person Interviews (12)

**Phase II: Shaping the Vision for the Future**
- Task 1.5 Educational Program Information Summary
- Task 2.1 Strategic Plan Committee Meetings (3)
- Task 2.2 College Planning Charrette
- Task 2.3 Working Group Meetings (3 meetings, 3 groups)

**Phase III: Developing the Strategic Plan**
- Task 3.1 Strategic Plan Committee Meetings (3)
- Task 3.2 Administrative Draft Strategic Plan
- Task 3.3 Final Draft Strategic Plan
- Task 3.4 Final Strategic Plan

Timeline:
- 2021: Sep, Oct, Nov, Dec
- 2022: Jan, Feb, Mar, Apr, May, Jun
Acknowledgements

- Lee Borrowman
- Kathryn Baldwin
- David Tozer
- Ard Locht
- Joshua Dullaghan
- Tony Gamez
- Kate O’Neill
- Julie Gipple
- Joe Bunik
And all of you!

Thank you