LEADERSHIP CHANGES – University of Nebraska

- **Chancellor**
  - Ronnie Green, former IANR Vice Chancellor

- **Interim Senior Vice Chancellor for Academic Affairs**
  - Marjorie Kostelnik
LEADERSHIP CHANGES - IANR

- **Vice President/Vice Chancellor Search**
  - Airport interviews in late August
  - On-campus interviews in late September/early October

ianr.unl.edu/search/vice-president-and-vice-chancellor
LEADERSHIP CHANGES - IANR

Ron Yoder  
Interim Vice Chancellor & Interim Vice President

Mark Balschweid  
Interim Associate Vice Chancellor
LEADERSHIP CHANGES – Academic Affairs and CEHS

Marjorie Kostelnik
Interim Senior Vice Chancellor

Beth Doll
Acting Dean, CEHS
LEADERSHIP CHANGES

ANIMAL SCIENCE DEPARTMENT

Larry Berger
Retired as Department Head
June 30

Phil Miller
Interim Department Head

Clinton Krehbiel
Department Head
January 1, 2017
LEADERSHIP CHANGES

FOOD SCIENCE AND TECHNOLOGY DEPARTMENT

Rolando Flores
Dean, New Mexico State

Curt Weller
Interim Department Head
LEADERSHIP CHANGES

SCHOOL OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES

Don Reynolds

Clayton Kelling
Director
LEADERSHIP CHANGES

NEBRASKA EXTENSION

Rick Rasby
Associate Dean
LEADERSHIP CHANGES

WEST CENTRAL RESEARCH AND EXTENSION CENTER

Kelly Bruns
Director
STUDENTS

CASNR

Enrollment: 11 years of growth
• Undergraduate: 2267  Graduate: 661  Professional: 60
• Undergraduate including Biochemistry (182) and Biological Systems Engineering (312): 2761

Retention Rate (10-year average)
• 87% CASNR; 72% national average

Graduation Rate (10-year average)
• 73% (highest at UNL) – 23,337th graduate in May 2016

Placement Rate: Highest entry placement rate at UNL

Projected Undergraduate Enrollment AY 16–17: increase
STUDENTS

• CASNR Recruiting

Sue Ellen Pegg  
College Relations Director

Taylor Hart  
Recruitment Associate

TBD  
Recruitment Coordinator
CASNR Major Highlights

- FarmAField, developed by 3 UNL students majoring in agricultural economics, agribusiness, and biological systems engineering, a finalist in international “Thought for Food Challenge”
- Animal science student named Next Generation Delegate by The Chicago Council on Global Affairs
- USDA-Microsoft Innovation Challenge winning team included an agronomy student
- UNL Fountain Wars Team took first place at the 2016 American Society of Agricultural and Biological Engineers annual meeting
- UNL Quarter Scale Tractor X-Team won the International Quarter Scale Tractor Student Design Competition
- UNL Weeds Team received top honors at the North Central Weed Science Society Student Weed Contest
- SNR student chosen to present a plenary lecture at the national McNair Fellows Conference at UC-Berkley
Spencer Hartman
ASUN President
STUDENTS

INTERNATIONAL PROGRAMS

CASNR Undergraduate Scholarship Program (CUSP) for Rwanda
- Cohort 1: 7 students
- Cohort 2: 49 students

3+1 Dual Degree Program in Food Science and Technology (UNL and NWAFU)
- Northwest Ag & Forestry University, Yangling, China
- Cohort 1: 50 students
- Cohort 2: 55 students
GLOBAL ENGAGEMENT

- **International Impact Award Program**
  - Tanzania, Rwanda, India, Oman, Brazil, Indonesia

- **Five USDA Grants**
  - Rwanda, Morocco, Kenya, Tanzania, Indonesia

- **Exploring partnership in agriculture and water**
  - Argentina

U.S. agricultural exports currently estimated at $124.5 billion; will account for nearly 30 percent of this year’s total farm and ranch gross cash sales of $415.7 billion

Nebraska agricultural exports are $7 billion – 5th nationally
### STUDENTS

- **NCTA Enrollment:**

<table>
<thead>
<tr>
<th>Year</th>
<th>FTE</th>
<th>% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>242</td>
<td>3.3</td>
</tr>
<tr>
<td>2015</td>
<td>234</td>
<td>2.6</td>
</tr>
<tr>
<td>2014</td>
<td>228</td>
<td>6.1</td>
</tr>
<tr>
<td>2013</td>
<td>214</td>
<td></td>
</tr>
</tbody>
</table>

- Crops Judging Team received 1st at national competition

- National re-accreditation from the Higher Learning Commission and from the American Veterinary Medical Association
FACULTY

• Hiring Update
  • 63 IANR faculty new hires since beginning of 2015
  • Summary of hiring initiative over past 5 years
    • 128 filled
    • 24 searches ongoing
Sponsored research funding at the University of Nebraska-Lincoln reached a record high this year, increasing more than 12 percent to $146.9 million!
### Sponsored Projects

<table>
<thead>
<tr>
<th></th>
<th>UNL</th>
<th>IANR</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FY2016 Total Sponsored</strong></td>
<td><strong>Funding</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>267,819,962</td>
<td>119,535,648</td>
<td>45%</td>
</tr>
<tr>
<td><strong>FY2016 Sponsored Research</strong></td>
<td><strong>Funding</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>146,902,893</td>
<td>66,036,958</td>
<td>45%</td>
</tr>
<tr>
<td><strong>FY2016 Federal Research</strong></td>
<td><strong>Funding</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>116,691,059</td>
<td>47,497,136</td>
<td>41%</td>
</tr>
</tbody>
</table>
FACILITIES

VETERINARY DIAGNOSTIC CENTER
Opening: Fall 2017
FACILITIES

EAST CAMPUS RESIDENCE HALL
Move in: Fall 2017
FACILITIES

C.Y. THOMPSON LIBRARY
FACILITIES

C.Y. THOMPSON LIBRARY
FACILITIES

C.Y. THOMPSON LIBRARY
FACILITIES

NEBRASKA EAST UNION RENOVATIONS
FACILITIES

LEGACY PLAZA
FACILITIES

C.Y. THOMPSON, CLASSROOM NEXUS, and LEGACY PLAZA
IANR STORAGE FACILITY
(in partnership with UNL Facilities)

10,000 sf total, IANR occupies the south half
**REACH-IN PHENOTYPING**

**phenotype**: the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.
GREENHOUSE PHENOTYPING
FIELD PHENOTYPING
FIELD PHENOTYPING

Subsurface Drip Irrigation – SDI
FIELD PHENOTYPING
Continuum
NEBRASKA INNOVATION CAMPUS

Biotech Connector

Angela Anandappa
Director, Alliance for Advanced Food Sanitation
ALLIANCE FOR ADVANCED FOOD SANIATION

With industry partners - conceptualize, create, and disseminate improved sanitation approaches and practices

- More efficient and effective sanitation
  - reduction in the quantities of chemicals used in sanitation
  - savings in time and operational costs
  - more affordable food, and consistently safer food

Time is right

- Support mandates for validated preventive controls for food safety hazards
  - U.S. FDA’s Food Safety Modernization Act

Alliance activities

- Focus on all manner of food safety concerns
  - microbial pathogens, allergens, and toxic chemicals
  - food quality and shelf life
  - cost and risk benefit assessments
  - water conservation and reusability
TMFII – Transformational Food Manufacturing Innovation Institute

- NIST working to re-establish U.S. as a global leader in manufacturing
  - Two proposals will be funded
- **$70-million proposal submitted**
  - Public-private partnership to provide a manufacturing and innovation hub
    - Academic partners: GA Tech and UC-Davis
    - Industry partners: Rockwell, Siemens, ConAgra Foods, ADM

Goal: Establish Nebraska as a leader in food manufacturing innovation
WATER FOR FOOD INSTITUTE

Peter G. McCormick
Executive Director

Water for Food
ROBERT B. DAUGHERTY INSTITUTE

IANR
EASTERN NEBRASKA RESEARCH AND EXTENSION CENTER

- **Headquarters at the ARDC near Ithaca**
  - Christenson Building will be expanded and renovated
- **Transition led by Don Adams**
- **Comprising three extension districts**
  - Northeast Extension District
  - Southeast Extension District
  - Metropolitan Extension District
    - Dodge, Washington, Douglas, Sarpy, Cass, and Lancaster Counties
- **Utilize existing funding**
- **Searches underway for three associate directors**
  - will lead districts
EVENTS

• Nebraska State Fair 2016
  #UNLRedOut

  Sunday, September 4
  • Ice Cream Social
    • 1–3 p.m.
    • Hospitality Loft
  • UNL Pep Rally
    • 4–5 p.m.
    • Family Fun Zone Stage
Visit the IANR Building
EVENTS

Yeutter Symposium – September 13, 2016

Asia-Pacific Economic Integration and the Role of the United States in Japan

Keynote address by: Hiroyuki Ishige, Chairman and CEO, Japan External Trade Organization (JETRO)

• 2:30 p.m. – Registration and refreshments
• 3:00 p.m. – Keynote address
  • Location: Nebraska Innovation Campus Conference Center, Auditorium
• 4:30 p.m. – Reception, hosted by JETRO
  • Location: Nebraska Innovation Campus Conference Center, Banquet Hall
EVENTS

• East Campus Tailgates 2016
  • October 1, CASNR Alumni Reunion/Silent Auction
    • Huskers vs Illinois
    • Tailgate: 10:30 a.m.
    • Kickoff: 2:30 p.m.
  • October 22
    • Huskers vs Purdue
    • Tailgate: TBD
  • November 12
    • Huskers vs Minnesota
    • Tailgate: 2:30 p.m.
    • Kickoff: 6:30 p.m.

Great Plains Room – Nebraska East Union
Free food and parking!
EVENTS

• Mark Lynas: “GMOs are Green: How an Environmentalist Changed His Mind About Biotechnology”
  • October 10, 2016
  • Reception at 3 p.m.; Lecture at 3:30 p.m.

• Mark Poeschl, CEO of National FFA
  • January 10, 2017
  • Lecture at 7 p.m.

• Not yet confirmed – would be part of the Water for Food conference
  • April 13, 2017

Free and open to the public
Events

East Campus Residence Hall Preview

- Opportunity to preview the new east campus residence hall rooms and layout; held at the Nebraska East Union

- “Fast Pass” – Wednesday, October 19, 4–8 p.m.
  - Invitation to those who are current residents of Burr & Fedde Halls

- Open House – Thursday, November 17, 4–8 p.m.
  - Invitation to all: students, faculty, staff, alumni, and stakeholders
EVENTS

• Burr/Fedde and Friends Reunion 2017
  • Tickets are $75 and include:
    • 8 a.m. Breakfast
    • 9 a.m. East Campus Tours
    • 12 p.m. Lunch featuring Val’s
    • 2 p.m. UNL City Campus Experience
    • 6 p.m. Kickin’ Back 50s Style Dinner and Celebration at the Cornhusker

Saturday, June 10, 2017
All IANR Faculty and Staff Award Nominations now due October 1st

The awards coordinated by the Institute of Agriculture and Natural Resources recognize faculty and staff members who advance the mission of the University in teaching, research, extension, and service. We are currently accepting nominations for the following awards:

- Outstanding Employee Award
- Omtvedt Servant Leader Award
- Dinsdale Family Faculty Award
- Omtvedt Innovation Award

Full nomination packet should be submitted electronically by the Unit Administrator to the IANR Vice Chancellor's office in care of Jessie Brophy at jbrophy3@unl.edu. For more information visit: http://ianr.unl.edu/ianr-awards-and-recognition.
LOOKING FORWARD

• **Rising star**
  • “No. 9 in U.S., based on increase in the number of articles that institutions contributed to 68 top-flight natural science journals between 2012 and 2015”

• **Culture of innovation**
  • Feet on the ground – Eyes on the horizon

• **Culture of teamwork**
NEBRASKA

- Third highest cash receipts from all farm commodities – great natural resources

- Support by citizens, and the legislature

- "This state has a thriving bio-economy tied to a rich natural resource endowment and skilled human capital which will only increase in importance in a world of rising global demand for food and other agriculturally based output."
WE ARE FORTUNATE

President Bounds

• Four cornerstones
  • Students; Innovative Research; Partners; People

• Three focus areas
  • Defending Against Emerging Threats to National Security
  • Training and Treatment – Highly Infectious Diseases
  • Food and Water Security
WE ARE FORTUNATE

- **Former Chancellor**
  - “solve emerging issues of scarce food supplies, climate change, water availability, and environmental sustainability”

- **Current Chancellor**
  - Understands and champions our work
WE ARE FORTUNATE

- Doing meaningful work – that makes a difference in the world

  - Number of graduates in agricultural fields – falling short of demand
    - According to Purdue study, only 61% of 58,000 jobs are filled each year

  - Need for safe, high quality food produced with good environmental stewardship continues to grow
    - In 2020 – one farmer will feed 200
    - In 2050 – one farmer will feed 250
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

Outstanding team

Doing meaningful work

Making a difference in the world
Questions?