IANR
All Hands

September 20, 2018

IN OUR GRIT, OUR GLORY™

People are IANR’s greatest asset

Promotion & Tenure

36 faculty awarded promotion and/or tenure in 2018 – Congratulations!

Promoted to Full Professor and Granted Tenure

Nicholas Brozovic, Ag Economics
Paul Kononoff, Animal Science
Angela Pannier, Biological Systems Engineering
Matthew Spangler, Animal Science
Joel Cramer, Nutrition and Health Sciences
Ayse Kilic, Natural Resources
Steven Thomas, Natural Resources
Brian Wardlow, Natural Resources

Granted Tenure

Haishun Yang, Agronomy and Horticulture

Promoted to Associate Professor and Granted Tenure

Soonkyu Chung, Nutrition and Health Sciences
Trenton Franz, Natural Resources
Douglas Golick, Entomology
Patricio Grassini, Agronomy and Horticulture
Derek Heeren, Biological Systems Engineering
Tomas Helikar, Biochemistry
Amitkumar Jhala, Agronomy and Horticulture
Fabio Mattos, Ag Economics
Amanda Ramer-Tait, Food Science and Technology
Ty Schmidt, Animal Science
Amy Schmidt, Biological Systems Engineering
Gary Sullivan, Animal Science
Dirac Twidwell, Agronomy and Horticulture
John Loy, Veterinary Medicine

Promoted to Full Research Professor

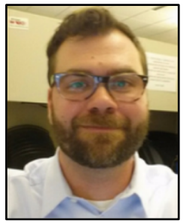
Cody Knutson, Natural Resources
Daniel Snow, Natural Resources

Promoted to Extension Educator

Karna Dam, ENREC - Metro
Lisa Poppe, ENREC - Metro
Tracy Pracheil, 4-H Youth Development
Robert Tigner, West Central Research and Extension Center

Promoted to Associate Extension Educator

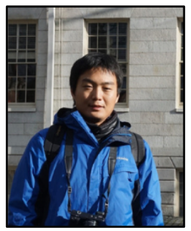
Jennifer Epp, ENREC – Northeast
Jean Ann Fischer, Nutrition and Health Sciences
Jill Goedeken, ENREC – Northeast
Alyssa Havolvic, ENREC – Metro
Katie Pleskac, ENREC - Southeast
Laura Thompson, ENREC - Southeast
Tyler Williams, ENREC - Metro



Justin
Arnold

Jennifer
Auchtung

Thomas
Auchtung



Geng
Bai

Katherine
Caswell

Deniz
Ciftci

Kathleen
Cue

Matteo
D'Alessio

Heidi
Diefes-Dux

Kerry
Elsen

Michael
Eskelson

Helen
Fagan

Katarzyna
Glowacka

Bradley
Goetsch

Hannah
Guenther

Steven
Jara

Jooyeoun
Jung

Gang
Li

Marc
Libault

Andrew
Little

Kurt
Mantonya

Benjamin
Mcshane-Jewell

Elena
Merrick

Aaron
Mittelstet

Beth
Nacke

Amy
Napoli

Tammie
Ostdiek

GengXin
Ou

Yi
Qi

Sarah
Sillman

Michael
Sindelar

Megan
Taylor

Curtis
Tomasevicz

Rossana
Villa Rojas

Rebecca
Young

Welcome new faculty

Since Jan. 2018 All Hands

Academic Unit Leader Transitions

Richard Ferguson
Agronomy
and Horticulture

David Jones
Biological
Systems Engineering

Richard Bischoff
Child, Youth
and Family Studies

Thank you for your leadership!

Gary Brewer
Entomology

Linda Boeckner
Nutrition and
Health Sciences

James Steadman
Plant Pathology

Academic Unit Leader Transitions

Welcome new leaders!

Martha Mamo
Agronomy
and Horticulture

David Jones
Biological
Systems Engineering

Julia Torquati
(Interim)
Child, Youth
and Family Studies

John Ruberson
Entomology

Mary Ann Johnson
Nutrition and
Health Sciences

Loren Giesler
Plant Pathology

Additional Leadership Transitions

Since Jan. 2018
All Hands

Clayton Yeutter Institute of International Trade and Finance

Jill O'Donnell
Director

Eastern Nebraska Research and Extension Center

Doug Zalesky
Director

Food Processing Center

Terry Howell Jr.
Executive Director

Housing, Massengale Residential Center

Amanda Orr
Residence Director

High Plains Regional Climate Center

Rezaul Mahmood
Director

Nebraska Manufacturing Extension Partnership

Matt Allmand
Director

Rural Futures Institute

Connie Reimers-Hild
Interim Executive Director

Veterinary Diagnostic Center

Clayton Kelling
Interim Director

5-year Review Completed

Dean Hibberd reappointed

Chuck Hibberd
Dean and Director, Nebraska Extension

IANR’S collaborative communities ensure Nebraska’s competitiveness in a world of change and challenge.

Agriculture in Nebraska

47K
farms and ranches

91%
of state's total land area

4,584
foot elevation change from east to west

24K
miles of rivers and streams

#1
In the nation for beef and veal exports, bringing in $1.26B in 2017.

One in four jobs in Nebraska is related to agriculture.

$6B
In annual agricultural exports.

Nebraska ranks #2 nationally in ethanol production capacity.

$21.5B
In cash receipts from farm marketing to the state's economy.

SUSTAINABLE DEVELOPMENT GOALS

#1 No Poverty

#2 Zero Hunger

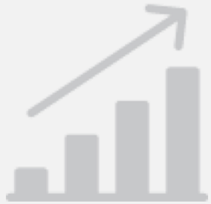
#3 Good Health & Well-Being

#4 Quality Education

#5 Gender Equality

#6 Clean Water & Sanitation

#7 Affordable & Clean Energy



#8 Decent Work & Economic Growth

#9 Industry, Innovation & Infrastructure

#10 Reduced Inequalities

#11 Sustainable Cities & Communities

#12 Responsible Production & Consumption

#13 Climate Action

#14 Life Below Water

#15 Life On Land

#16 Peace, Justice and Strong Institutions

#17 Partnerships for the Goals

ZERO HUNGER: WHY IT MATTERS

What's the goal here?

To end hunger, achieve food security and improved nutrition and promote sustainable agriculture

Why?

Extreme hunger and malnutrition remains a barrier to sustainable development and creates a trap from which people cannot easily escape. Hunger and malnutrition mean less productive individuals, who are more prone to disease and thus often unable to earn more and improve their livelihoods. There are nearly 800 million people who suffer from hunger worldwide, the vast majority in developing countries.

2 ZERO HUNGER

A profound change of the global food and agriculture system is needed to nourish today's 795 million hungry + the additional 2 billion increase in global population expected by 2050

How many people go hungry?

New evidence continues to signal that the number of hungry people in the world is growing, reaching 821 million in 2017 or one in every nine people.

Hunger has been on the rise over the past three years, returning to levels from a decade ago. This reversal in progress sends a clear warning that more must be done and urgently if the Sustainable Development Goal of Zero Hunger is to be achieved by 2030.

The situation is worsening in South America and most regions of Africa. With enough food to feed everyone on the planet, why are there so many hungry people?

Poor harvesting practices, as well as food wastage have contributed to food scarcity. Wars have also had a negative impact on the availability of food and have led to a destruction of the environment, which is critical to grow food.

Why should I care?

We all want our families to have enough food to eat that is safe and nutritious. A world with zero hunger can positively impact our economies, health, education, equality and social development. It's a key piece of building a better future for everyone. Additionally, with hunger limiting human development, we will not be able to achieve the other sustainable development goals such as education, health and gender equality.

How much will it cost to achieve zero hunger?

We will need an estimated additional $267 billion per year on average to end world hunger by 2030. There will need to be investments in rural and urban areas and in social protection, so poor people have access to food and can improve their livelihoods.

What can we do to help?

You can make changes in your own life—at home, at work and in the community—by supporting local farmers or markets and making sustainable food choices, supporting good nutrition for all, and fighting food waste.

You can also use your power as a consumer and voter, demanding businesses and governments make the choices and changes that will make Zero Hunger a reality. Join the conversation, whether on social media platforms or in your local communities.

You can join the Global Movement for Zero Hunger by joining the Zero Hunger Challenge (www.zerohunger-challenge.org) to learn more, including more ways to take action!

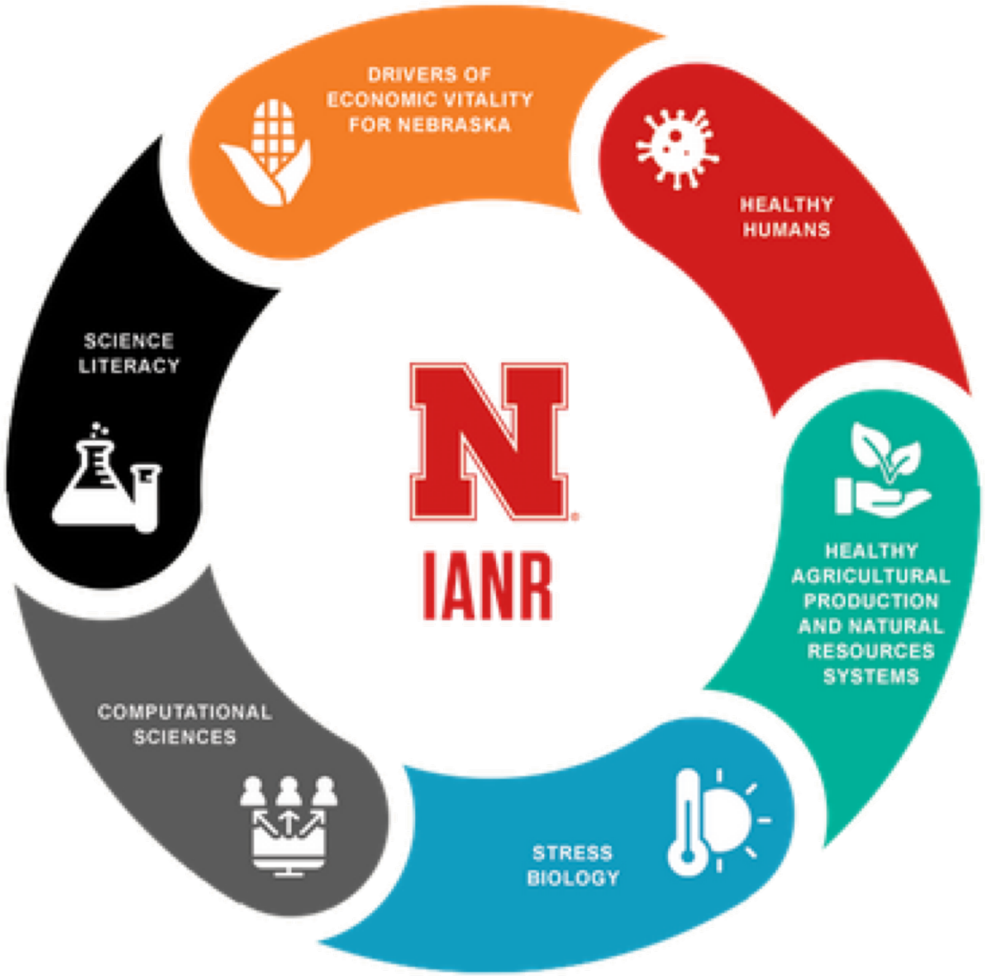
To find out more about Goal #2 and other Sustainable Development Goals, visit:

http://www.un.org/sustainabledevelopment

SUSTAINABLE DEVELOPMENT GOALS

Join Our Team

- Strategic hires in six community areas – 24 faculty
- CASNR – dean
- CEHS – dean
- Veterinary Diagnostic Center – director
- IANR Communications – director



Clayton Yeutter Institute of International Trade and Finance

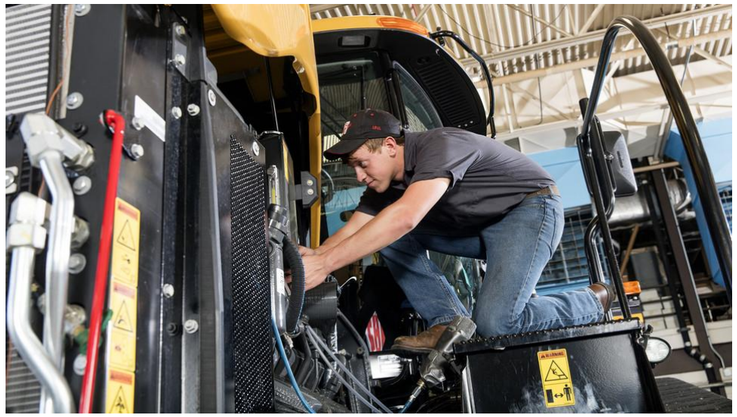
March 13: Hosted CME Group Symposium

July 1: Jill O’Donnell named director

Sept. 7: Hosted Ikuo Kabashima, governor of Japan’s Kumamoto Prefecture

IANR Research Highlights

Discovery of two new fatty acids – Nebraskanic and Wuhanic acids



Improving fuel efficiency by developing new tractor testing techniques

Student-led research converting roadside plantings into pollinator-friendly wildflower patches

Gaming: Agpocalypse 2050 and Preservation

Targeted for middle and high school students

Designed to hone integrated systems thinking skills and to enhance science literacy

Focused on the food-energy-water-society nexus

$1M grant from the National Science Foundation

https://www.thegamecrafter.com/ - $31.99

Congratulations Nebraska 4-H

Nebraska 4-H claimed second place in the national 4-H Raise Your Hand campaign

Over 14,000 hands raised by 4-H alumni and friends

Awarded $10,000 to help provide hands-on learning experiences to youth across the state

Checking Our Blind Spots

Diversity and Inclusion

2 days ago

Blind Spots event draws more than 400

by Troy Fedderson | University Communication

UNIVERSITY OF NEBRASKA–LINCOLN

NEBRASKA TODAY

An opportunity to explore diversity and inclusion issues while learning about personal biases was an eye-opening experience for Nebraska's Stephen Cass.

The senior history and classics major was among the more than 400 Huskers who took part in the Check Your Blind Spots Mobile Tour — Diversity and Inclusion Fair, held Sept. 17 on the Nebraska Union Plaza. The event featured a multi-media trailer designed to teach individuals about unconscious bias.

"This was a tremendous opportunity to learn about issues and strategies related to inclusiveness," Cass said. "It's really great exposure about what we can do individually in terms of diversity and inclusion within our campus community."

The Blind Spots video presentation challenged participants to recognize that — based on the amount of information processed instantaneously — human brains often use cognitive short cuts that result in assumptions being made about others.

"Basically, we need to realize that our brains are making these assumptions for us," Cass said. "We need to remember to slow down, think about our actions, seek a different perspective and see people for who they really are rather than who we assume they are."

Nebraska Union Plaza

Sept. 17, 2018

Dean's Sprint

Tiffany Heng-Moss
Interim Dean
College of Agricultural Sciences and Natural Resources

Ron Rosati
Dean
Nebraska College of Technical Agriculture in Curtis

Beth Doll
Interim Dean
College of Education and Human Sciences

Chuck Hibberd
Dean
Nebraska Extension

Tala Awada
Associate Dean
Agricultural Research Division

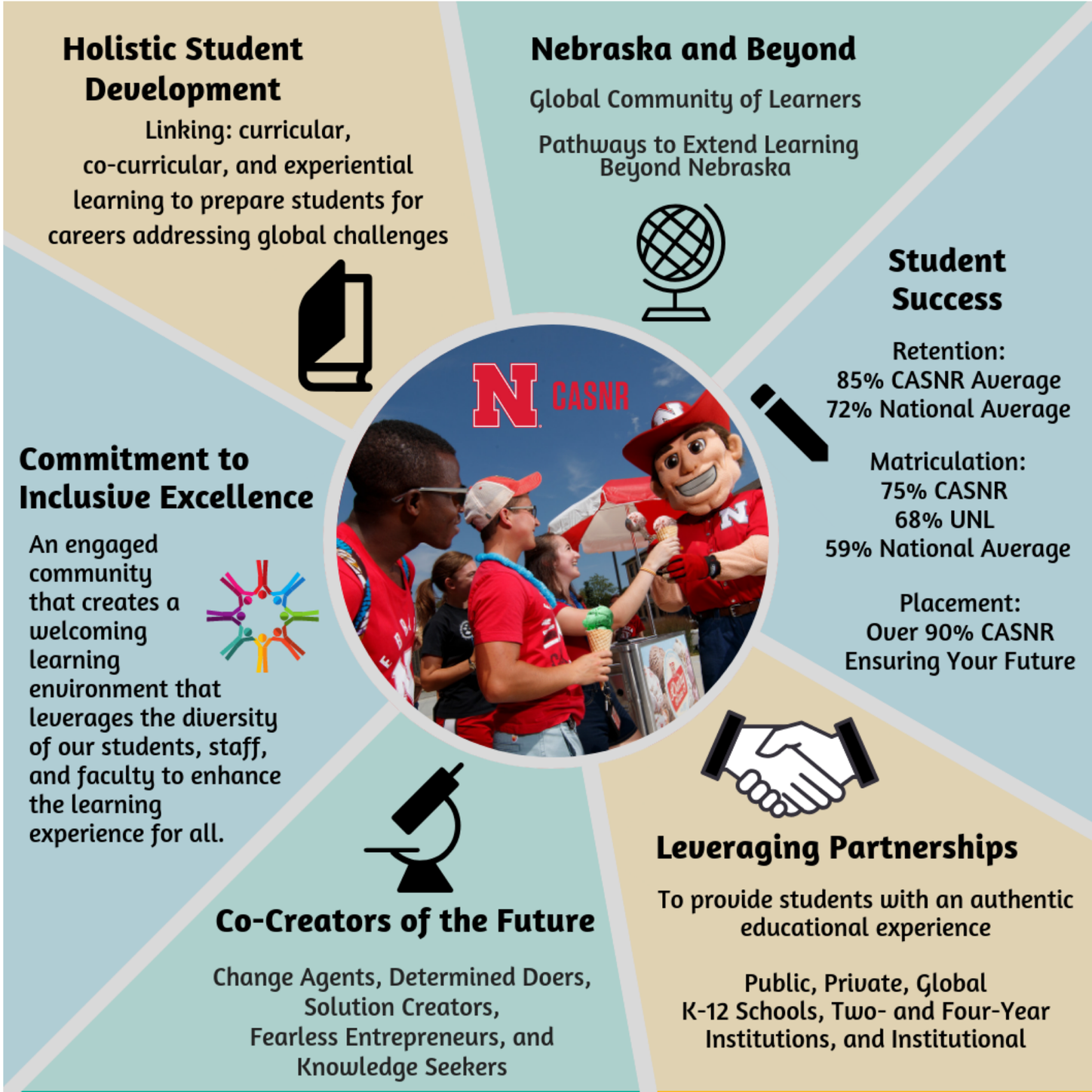
#ThisIsCASNR

Largest Enrollment – History of College

- Largest incoming class of first-time freshmen and transfer students = 2,422
- CASNR welcomed 101 international undergraduate students
- Over 90% of Spring 2018 eligible undergraduate students enrolled for the fall semester
- Enrollment also increased for graduate and professional students (777 students)

Co-Creators of Their Learning

- New model in course creation, student innovation, teamwork, and investigative learning
- Student Fellows partner with Faculty Mentors to design a 4-year CASNR Experience model that is holistic, innovative, and transformative



Power of Every Person

- NHRI: Only strengths-based leadership mentoring program in the country
- 180 UNL Students + 180 LPS Students = 360 Students and 180 Investment Relationships
- ALEC 102 = 14,000 hrs. of service learning

Nebraska Human Resource Institute (NHRI): Developing the future generation of leaders.

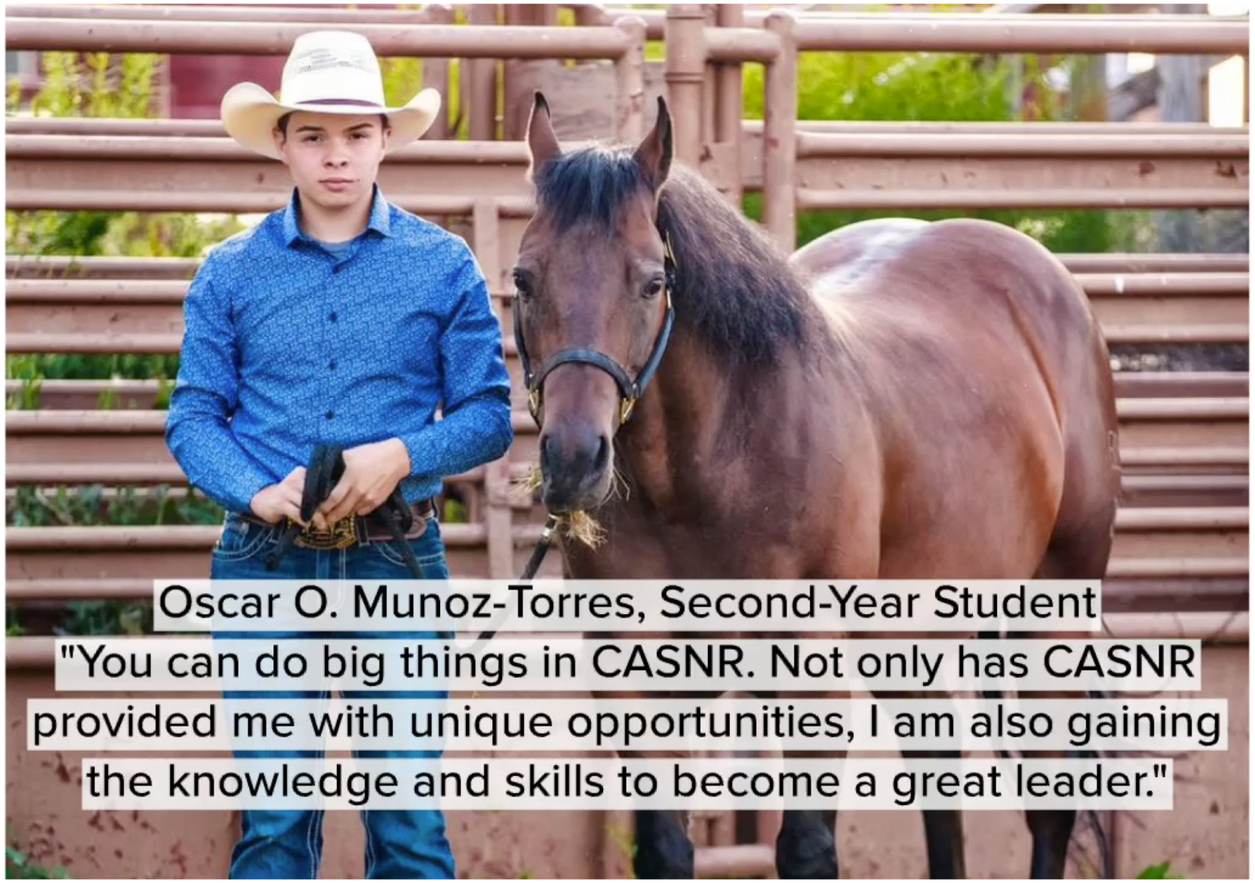
Global Connections

- Community of learners
- Connecting our students to the world through diverse education pathways
- Network of over 20,000 living alumni

Our Time, Our Future

Now in its 146th year, the College is in an amazing position to continue transforming the lives of students here and around the world.

THANK YOU!



#ThisIsCASNR

Nebraska College of Technical Agriculture

a brief overview

1. NU 2 yr college - agriculture & veterinary technology
2. Statewide mission, campus in SW Nebraska
3. Focus on workforce development, experiential learning
4. Open access - $131.50/SCH tuition for all students
5. Extensive on-campus experiential learning infrastructure

Nebraska College of Technical Agriculture

some 2017/2018 assessment results

1. 275 fulltime students – 23 year record high (63% ♀)
2. Top 25 US Trade Schools – Forbes Magazine
3. Graduate salary (2 yr colleges) - #1 Nebraska, #11 US
4. Graduate employment rate (2 yr colleges) - #1 Nebraska, #7 US

Nebraska College of Technical Agriculture

working to grow IANR partnership and collaboration

1. Transfer pipeline built – *Link to Lincoln*
   - Transfer growth from 6% to ~20% since 2013
2. Nine CASNR A to B agreements in place
3. Faculty partnerships: urban ag joint faculty, Curtis POP
4. NCTA curriculum adjustments
5. Additional opportunities:
   a. Expand agricultural skills development partnerships
   b. Provide UNL grad student teaching opportunities
   c. Collaborative programming, i.e. life skills modules

CEHS prepares professionals

Strategic Priorities

Engage Nebraska: enhancing, increasing and making public its partnerships with Nebraska communities.

Data Informed Teaching, effectively using data to evaluate, refine, and strengthen our teaching

Affirm diversity, making CEHS a welcoming and inclusive place to teach, learn and work.

Increase visibility, through cutting edge marketing and communication.

Practice-based research, that is well-designed, timely, and highly relevant to practice.

International engagement to solve local and global challenges

CEHS by the numbers

Over
50,000
CEHS alumni
around the world

More than
500
scholarships awarded
through CEHS last year

80%
of CEHS students are
residents of Nebraska

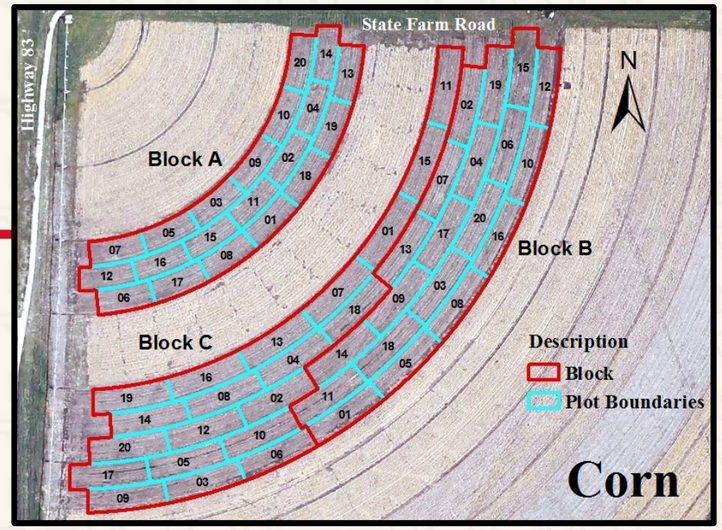
1,157
1 in 4 graduate students
at Nebraska are in CEHS

CEHS alumni
live and work in
88
different countries
around the world

19%
of Husker athletes
are enrolled in CEHS majors

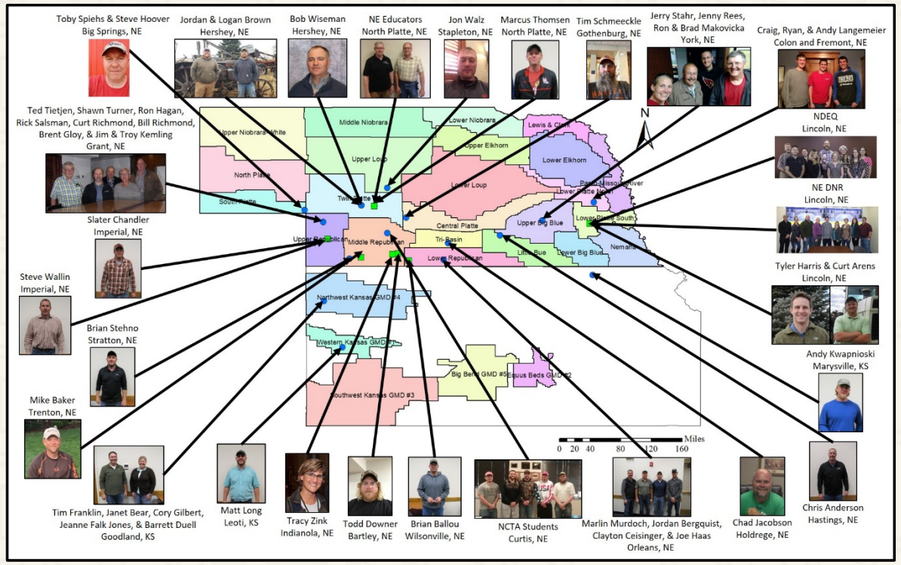
UNL TAPS
TESTING AG PERFORMANCE SOLUTIONS

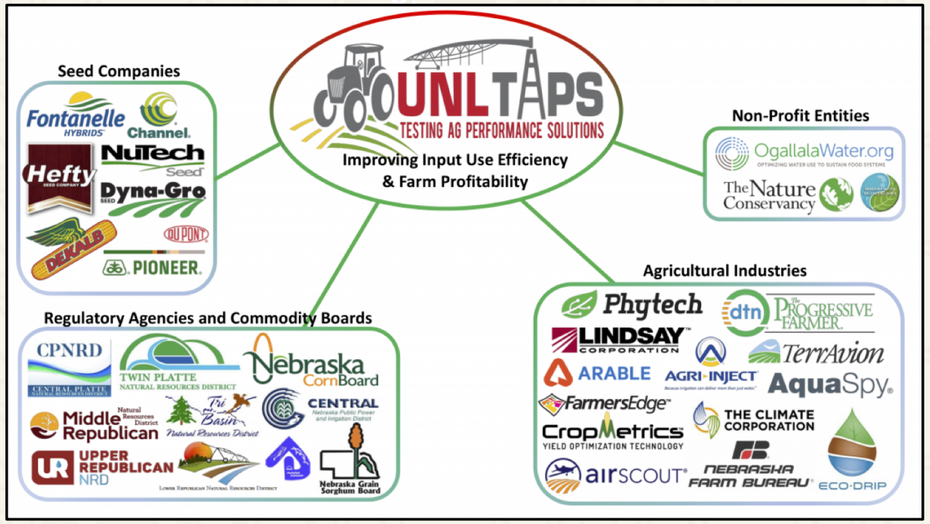
Daran Rudnick, Chuck Burr, and Matt Stockton
West Central Research and Extension Center



Farm Management Competitions

- Engages producers, industry, regulatory agencies, and others around farm profitability and resource use efficiency.
- Connects research with extension through participatory learning.
- More than 80 participants and 35 Partners/Sponsors





EXTENSION

EXTENSION
Community Vitality Initiative

e2 SM

Nebraska Entrepreneurship Initiative

Nebraska SourceLink

- Infrastructure
- University Demo
- Statewide System Vision
- NBDC with Extension
- Access to Resources
- Resource Transparency

eCommunities

- Rural Focused
- Entrepreneur Focused Development
- Based on NetWork Kansas
- Extension/CVI Lead
- Stronger Area Economies
- Economic Diversification

Regional Food Systems Initiative

- Why?
  - Locally-sourced foods
  - Livelihood
  - Values-driven
  - Economy
- Team:

Andreia Bianchini-Huebner
Sarah Browning
Dennis Burson
Byron Chaves
Elaine Cranford
Vaughn Hammond
Ben Jewell
Gary Lesoing
Rex Nelson
John Porter
Sheila Purdum
Rick Rasby
Randy Saner
Nicole Stoner
Jayne Stratton
Vanessa Wielenga
Sam Wortman

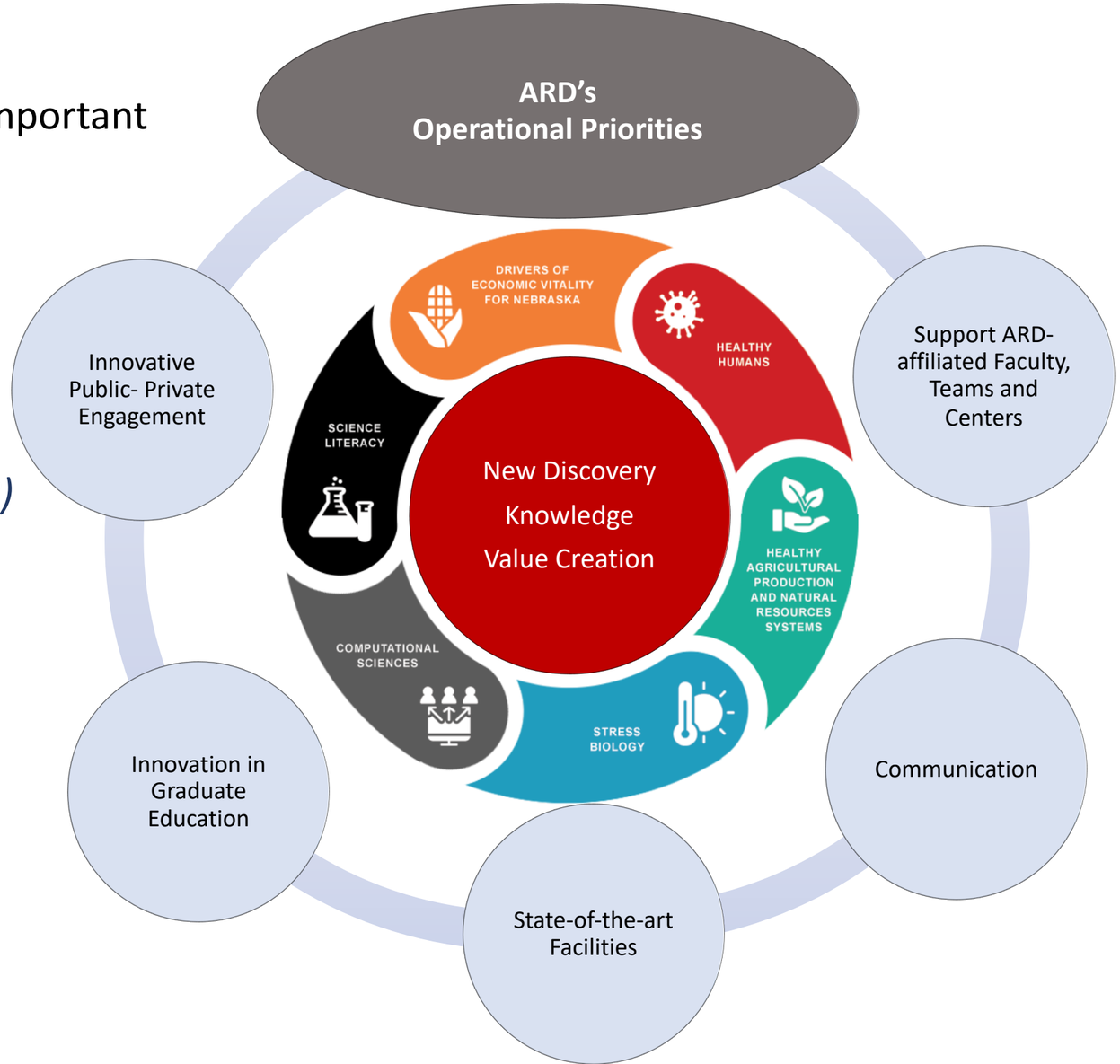
EXTENSION

Agricultural Research Division

"Supporting the Science to Ensure Resilient Food Systems and a Healthy Future"

Building Strategic framework for important current and emerging issues:

- *Translational Plant Sciences*
- *Beef Systems Initiative*
- *National Institute for Antimicrobial Resistance (AMR) Research and Education*
- *Nebraska Food For Health Center*
- *FFAR Graduate Fellowship Program*



Improving the Daily Lives of People in NE and Beyond through High Impact Research

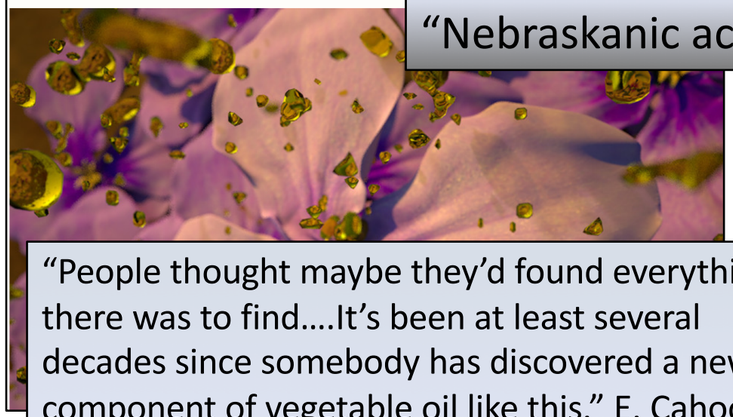
- Ranked 37th in the world for Agriculture and Forestry, 2018 QS World University Rankings
- > 340 ARD Faculty across 15 Academic Units, 3 District Research and Extension Centers, and 19 Academic Centers
- $54.5 M in Sponsored Research (20% increase since 2014)
- 719 Graduate Students (379 MSc, 327 PhD, Professional Degree 13)

August 27, 2018

International team makes rare discovery of new fatty acids

'NEBRASKANIC ACID' NAMED FOR STATE BY HUSKER BIOCHEMIST

by Scott Schrage | University Communication



"Nebraskanic acid"

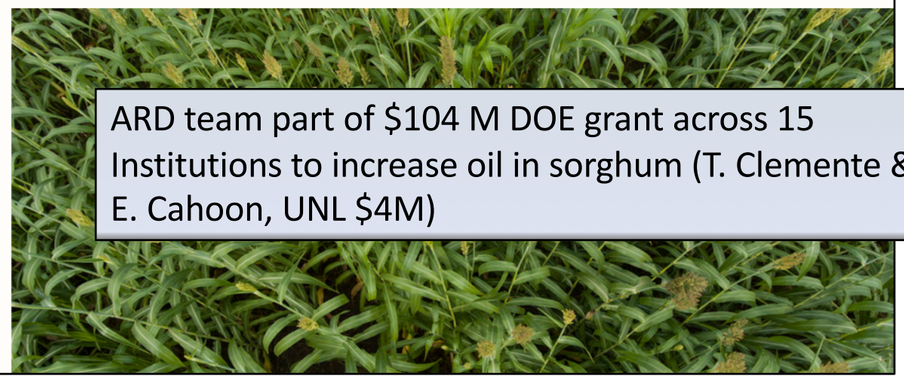
"People thought maybe they'd found everything there was to find….It's been at least several decades since somebody has discovered a new component of vegetable oil like this." E. Cahoon

July 19, 2017

Plant scientists aim to turn sorghum into jet fuel

CLEMENTE, CAHOON ARE PARTNERS IN DEPARTMENT OF ENERGY RESEARCH

by Leslie Reed | University Communication



ARD team part of $104 M DOE grant across 15 Institutions to increase oil in sorghum (T. Clemente & E. Cahoon, UNL $4M)

July 26, 2018

Nebraska partners to fight antimicrobial resistance

SHARE

The University of Nebraska–Lincoln will help lead a new national institute addressing antimicrobial resistance, an increasingly urgent global public health concern, the Association of Public and Land-grant Universities and the Association of American Veterinary Medical Colleges announced July 26.

IANR brings together world-class people, research and facilities to benefit Nebraska and the beyond.

Facility Updates

ENREC Christenson Building

Addition construction underway.

Panhandle Research & Extension Center

Grad student and visiting scholar housing completed.

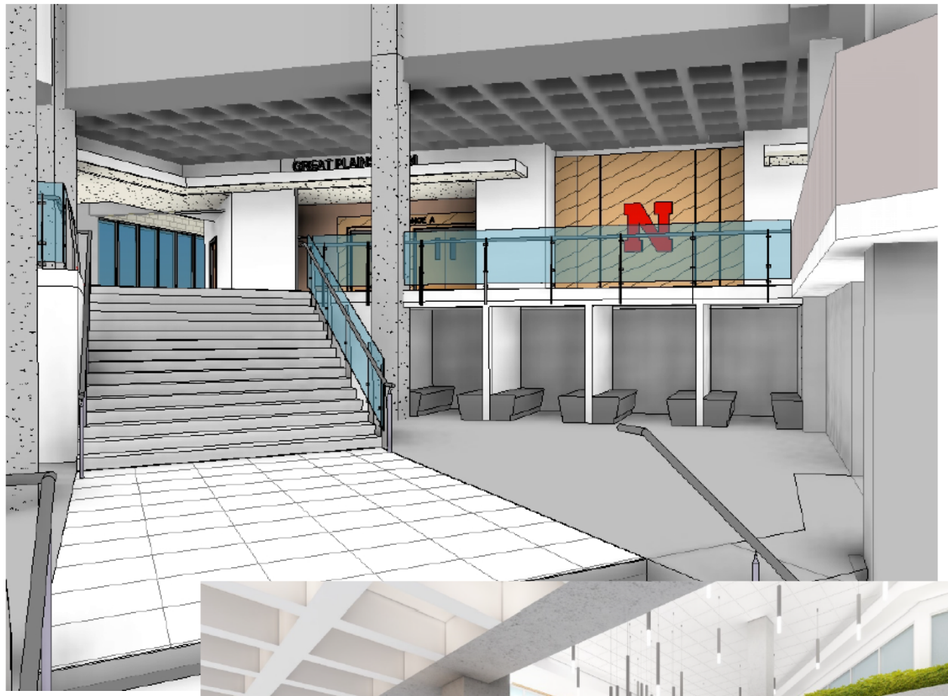
IANR Global Engagement

Moves to new home on 2nd floor of Ag Hall.

Basketball, tennis and sand volleyball courts

Ruth Staples Child Development Laboratory & Family Resource Center

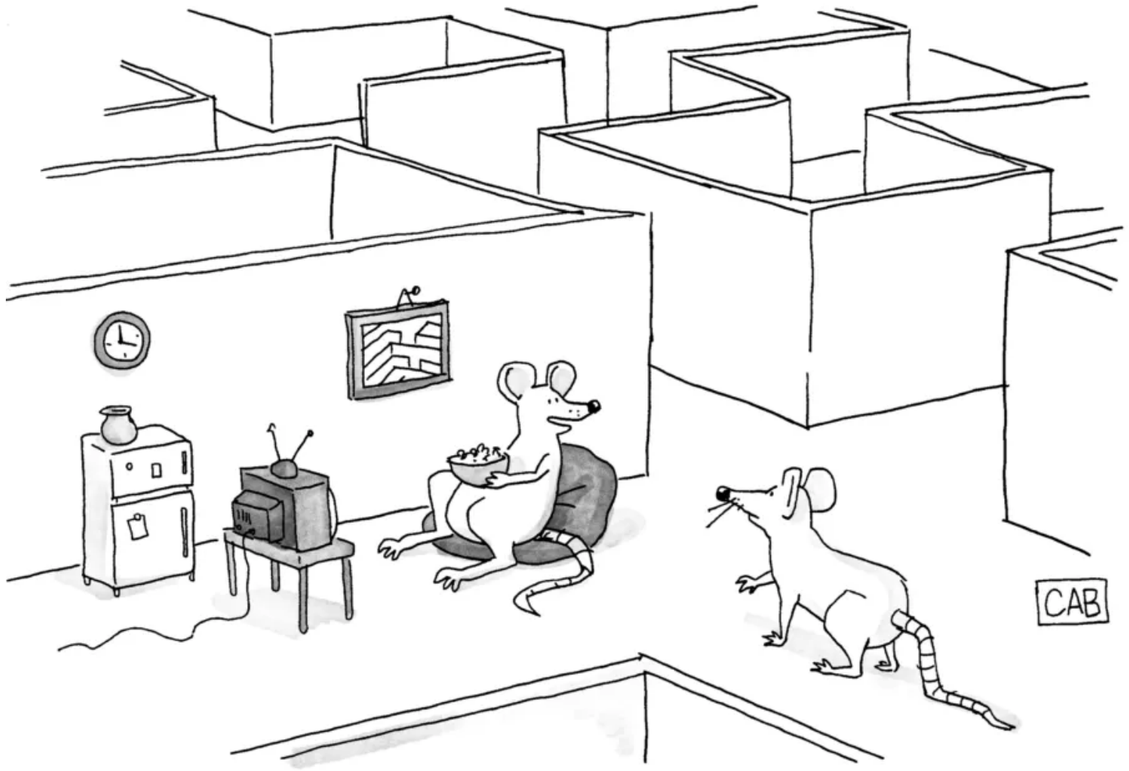
East Campus Union renovation



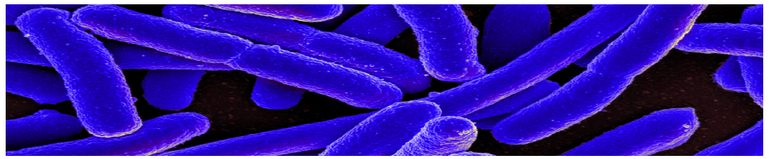
C.Y. Thompson transformation

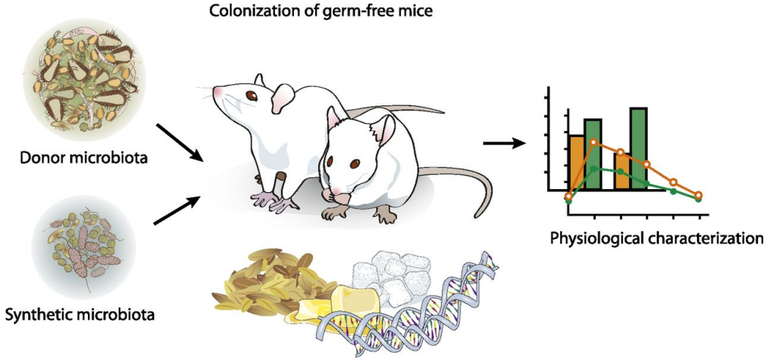
NFHC - New germ-free mouse facility

NEBRASKA FOOD FOR HEALTH CENTER at the University of Nebraska



"You wanna know the way out? Acceptance."





Through public/private partnerships IANR is finding solutions, sharing those solutions with others and developing the next generation ready to join the STEM workforce.

Public/Private Partnerships

National Institute for Antimicrobial Resistance Research and Education

IANR refuses to let budget challenges stop our momentum in supporting Nebraska's farmers, ranchers, students, teachers, youth and families.

Update on IANR Budget

January 2017 – June 2018

Cash Returned
$4.3M

Permanent Reduction
$2.5M

Omaha World-Herald
REAL. FAIR. ACCURATE.

Nebraska beat expectations, collected $4.567 billion in taxes last fiscal year

By Martha Stoddard / World-Herald Bureau Jul 14, 2018 0

LINCOLN — Nebraska closed out its fiscal year with more money than expected in the state coffers.

State revenue officials reported Friday that state tax collections for the year ended June 30 topped the most recent revenue forecast by $37 million. Net tax receipts for the year were $4.567 billion.

LINCOLN JOURNAL STAR

Regents give Bounds authority to hike tuition, if necessary

CHRIS DUNKER Lincoln Journal Star Jun 28, 2018 (0)

University of Nebraska President Hank Bounds was given the power to implement a midyear tuition increase should declining tax receipts result in the state withholding a portion of the university's state appropriation.

"I hope we don't have to," Bounds told the NU Board of Regents on Thursday. "We will only implement it if there is a need to make another midyear rescission. We need that flexibility because we are out of quick options."

Northeast Nebraska Listening Tour

July – August 2018

Northeast Nebraska Listening Tour

July – August 2018

Listening Tour Feedback

Northeast Nebraska

Collaboration between educational institutions

Trained workers in the beef industry

Water quality and access to safe water

Science and agricultural literacy

If metropolitan America is to drive national prosperity, metropolitan areas will need a healthy and sustainable rural economy and culture.

Likewise, if rural America is to flourish, it will surely depend upon vibrant, well-functioning cities and suburbs.

-Brian Dabson, 2007

IN OUR
GRIT
OUR
GLORY™
#InOurGritOurGlory