

College of Natural and Applied Sciences

August 20, 2015

State of the College Address

Tammy Jahnke, Dean

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Missouri State University Vision/Long-Range Plan/Annual Goals

- [Current Long Range Plan](#) 2011-2016
- [Visioning Document – 2015](#)
- Next Strategic Plan will be written this year!
- Annual Goals for 2015-2016 – Strategic Planning, Access to Success, Public Affairs Integration, Engaged Inquiry, Partners in Progress, Valuing and Supporting People, Responsible Stewardship, Athletics, West Plains Integration

Higher Learning Commission

- Missouri State University has been accredited by HLC since 1915!
- The Commission has a number of policies regarding the institutions it accredits that are mandated by virtue of its recognition by the U.S. Department of Education as a qualified accreditor for the purposes of eligibility for Title IV funds. (Pell Grants are one example.)
- Celebrate our successes!
- Recognize our challenges and set goals to overcome them!

- 2005-2006 - HLC Site visit and report to reaffirm accreditation for 10 years!
- 2005-present - Annual financial and enrollment reports submitted to HLC
- 2005-present - HLC changes monitored, concerns reviewed from 2005
- 2012 - HLC Steering Committee formed to prepare for site visit in 2015
- 2012 - Missouri State is invited to participate in the Open Pathway. Requires a quality improvement project. QIP report submitted in 2015 and accepted with compliments!
- Spring 2014 - Subcommittee Reports are complete. Town Hall Meeting
- [Drafts of assurance document posted on website](#) - October 2014 to present. [Executive Summary.](#)
- October 5-6, 2015 - Site visit team of five will visit campus for two days!
- Please watch for the schedule of open forums and participate! Many of you will be invited to attend specific forums.



Shared Values/Guiding Principles

- We value
 - our students and their success;
 - hands-on learning (applied and practical);
 - academic rigor and critical thinking;
 - faculty, staff and administrators;
 - excellence in teaching, research and service;
 - ethical behavior;
 - our research endeavors;
 - our community, alumni and friends; and
 - continuous improvement.

Student Research

**7th Annual CNAS Undergraduate
Research Day – Thursday afternoon,
April 21, 2016**

<http://science.missouristate.edu/Undergraduate-Research-Day.htm>

Graduate College IDF – April 23, 2016

<http://graduate.missouristate.edu/currentstudents/IDF.htm>

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CNAS Citizen Scholars

8/48 from CNAS

- 2015 – Nominations are due 9/17/2015
- 2014 –
- 2013 -
- 2012 – three (Bethany Forrester - EGR, Anthony Hendrix - BIO, Lauren Bansbach - BIO)
- 2011 -
- 2010 – one (Jacob Swett - PAMS)
- 2009 – one (Matt Evans – HRA)
- 2008 – two (Ashley Egan - CHM and Catherine Shoults - BIO)
- 2007 – one (David Vinyard - CHM)

- <http://studentaffairs.missouristate.edu/citizenscholaraward.htm>

CNAS Students

- Biology major Brian Blankenship has been accepted into the Lester Bryant Scholars Program at the University of Missouri School of Medicine. This is an early admissions program for exceptional students who are committed to rural medicine.
- Rebecca Rice (HRA) was at Yellowstone National Park for a summer internship and while it was a wild ride she absolutely has a remarkable story to tell.
- Claire Geneser (PAMS) presented at the Yale Extreme Precise Radial Velocity Workshop in July. Claire is working on astronomical spectroscopy and exoplanet research with Dr. Peter Plavchan.

- Jennifer Burman (CSC) helped with the COB Ad Team. The Ad Team won a national award and will present at the United Nations in September!

STEM LLC – 57 students



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CNAS Grad News

- Justin Nguyen (MTH) is the Chief of the Quality Assessment Staff in the Economic Statistical Methods Division effective August 9, 2015. Justin will be the Lead Auditor in the Economic Directorate. He will also lead the effort to introduce quality monitoring measures and evaluation processes into the survey life cycle. Justin began his career at the Census Bureau in 2005 as a Mathematical Statistician in the Demographic Statistical Methods Division (DSMD) where he worked in the Survey Quality and Measurement area. Justin received a Bronze Medal in 2013 for his contributions to the development of the Government Units Survey.

Points of Pride

- [Great News! Faculty and Student!](#)
- [Mind's Eye](#)
- [CNAS Faculty and Staff Awards](#)
- [Undergraduate Research Day](#)
- [Graduate College Interdisciplinary Forum](#)

Faculty Promotions - 2015

- Distinguished Professor
 - Kevin Mickus - GGP
 - Chris Barnhart - BIO
- Professor
 - Doug Gouzie - GGP
- Senior Instructor
 - Patti Blanton – MTH
 - Michele Bowe – BIO
 - Linnea Iantria - GGP

Professor Salary Incentive Program

- 10 of 30 in 2014
- 2 of 10 In 2015
 - Melida Gutierrez – GGP
 - Cameron Wickham – MTH
- <http://www.missouristate.edu/provost/psiprecipients.htm>

Foundation Award Winners

- *Missouri State University Foundation Awards for Research 2015*
 - **Kartik Ghosh – PAMS**

- *Missouri State University Foundation Awards for Service 2015*
 - **Matt Pierson – Cooperative Engineering/GGP**

<http://www.missouristate.edu/provost/foundationawards.htm>

CNAS New Faculty – tenure-track

- PAMS – Maria Stepanova (DSc St. Petersburg State Polytechnic University; PhD National Center for Surface and Vacuum Research; MS Lomonosov Moscow State University) Physics, Astronomy Materials Science, Associate Professor
- MTH – James Kratky (MA Western Michigan University; BS Ferris State University; AAS Northwestern Michigan College) Mathematics, Assistant Professor
- CSC – Razib Iqbal (PhD and MS University of Ottawa, Canada; BS North South University, Bangladesh) Computer Science, Assistant Professor

CNAS New Faculty – tenure-track

- BIO – Christopher Lupfer (PhD Oregon State University; BS Brigham Young University-Idaho) Biology, Assistant Professor
- PAMS – Mahua Biswas (PhD Dublin City University; BTech West Bengal University of Technology) Physics, Astronomy & Materials Science, Assistant Professor
- CHM – Keiichi Yoshimatsu (PhD Lund University; BE Tokyo University of Agriculture and Technology) Chemistry, Assistant Professor
- CHM – Fei Wang (PhD Iowa State University; MS Zhejiang University; BS Qingdao University of Science and Technology) Chemistry, Assistant Professor

CNAS New Faculty

- CHM – Helena De La Hoz (MS Missouri State; BS Universidad Pedagogica Nacional, Bogota, Colombia) – Chemistry, Instructor
- CHM – Lisa Reece (MS Pittsburg State University; BS Southwest Missouri State University) - Chemistry, Instructor

CNAS New Staff

- HRA – Shawn Erdman – Academic Advisor and Recruiter
- CNAS – Julie Vaughan – CNAS Budget Officer
- HRA – Cindy Busby – Administrative Assistant
- CRPM – Jason Ray – Planner (part-time)
- BIO – Khushboo Hemnani – Microbiology Lab Coordinator

New CNAS Leadership

- Toby Dogwiler – (PhD University of Missouri; MS Mississippi State University; BS Wittenberg University) Geography, Geology and Planning, Department Head
- Bryan Breyfogle – Department Head, CHM
- Dan Beckman – Associate Dean – Research
- Erich Steinle – Associate Dean – MNAS/PSM and STEM Education
- Jorge Rebaza – Associate Dean – Student Recruitment and Student Success

CNAS Leadership Team

- Alicia Mathis – Department Head, BIO
- Stephanie Hein – Department Head – HRA
- Dave Cornelison – Department Head – PAMS
- Bill Bray – Department Head – MTH
- Ken Vollmar – Department Head – CSC
- Doug Carroll – Program Director – Cooperative Engineering

CNAS Diversity Committee

- CNAS Diversity
 - 30% of all associate and full professors in CNAS are from diverse populations! (Entire campus – 10.6% of all full-time faculty are from diverse populations.)
 - CNAS student population (2,184 majors, 380 are from diverse populations – 17%)
 - 16.88% of all associate and full professors in CNAS are women. 31% of all CNAS faculty (including instructors) are women.
 - CNAS student population (942 – 43% are women)
 - Can we do better?
 - I will be charging the CNAS Diversity Committee to look at the results of the climate study to determine an action plan for the college. If you have ideas please contact a committee member.

CNAS

- Committees
 - First meetings will be held in September
 - Budget Committee – Summary Report later this fall
- Goals for 2015-2016
 - Library Holdings
 - Certificate Programs
 - MNAS/PSM Programs
 - Curricular changes
 - Increase # of graduates (performance measure)
 - Strategically increase # of students in CNAS

A few budget notes -

- New \$\$\$\$
- In addition to promotions and PSIP increases CNAS received the following –
 - \$22,000 (out of \$800,000 from the Provost). We did not increase enrollments and therefore we received the least amount.
 - \$12,657 was distributed to our lowest paid instructors.
 - \$4,202.76 was distributed to our lowest paid staff.
 - Six new teaching assistantships (3 funded by the provost and 3 funded by reallocation of per course funds in CNAS). The initial allocation (2 years) were to BIO (3), PAMS (1), MTH (1) and GGP (1). Allocations will be reviewed in December of 2016 for Fall of 2017.
- MSU is requesting \$1.7 million of additional STEM funding this year! Great news for CNAS!!! All except for one position stays in CNAS and our West Plains campus will add a physics position.

External Funding

- FY2015 (through May)
 - CNAS - \$958,290
 - CRPM - \$648,616
 - OEWRI - \$84,962
 - BSFS - \$67,953
 - CBLS - \$215,889
 - 39 faculty involved in over 140 grant submissions
- FY2014
 - CNAS - \$1,819,876
 - CRPM - \$496,339
 - OEWRI - \$326,362
 - BSFS - \$43,805
 - CBLS - \$940,706
 - 34 faculty involved in over 100 grant submissions

CNAS Grant Incentive Program

All faculty submitting grants in excess of \$30,000 receive \$400 for travel or research supplies. Last year CNAS distributed \$9,200. Please help me distribute \$10,000 this year.

	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
BIO	\$1600	\$800	\$800	\$2000	\$1200	\$400	\$1600	-
CHM	\$1200	\$400	\$1600	\$400	\$400	\$400	\$800	-
CSC	-	-	-	-	-	-	-	-
EGR	-	-	\$400	-	\$400		\$400	-
GGP	\$2000	\$800	\$1600	\$400	\$1600	\$400	\$2000	\$400
HRA							\$400	-
MTH	\$1200	-	\$800	\$400	-	-	\$1200	-
PAMS	\$2000	\$400	\$1600	\$400	\$2000	\$400	\$2400	-

- Pummill Hall – All university open house – October 16, 2015.
- Plaster 246 – New GGP Teaching Lab
- Temple 107 – New GGP Teaching Lab
- Temple 228 – New BIO Teaching Lab
- Temple 326 – New CHM Teaching Lab
- Temple 432 – New CHM Teaching Lab
- Temple 462 – Old CHM Teaching Lab
- Temple 474 – New CHM Stockroom
- Temple 403 – New CHM Teaching Lab
- JVIC – 4th Floor Lab – PAMS and CHM

CNAS Public Lecture Series Bigger and Bolder!

- September 15 CNAS Public Lecture series, Matt Pierson,
7:30 pm, Temple 002
- October 13 CNAS Public Lecture series, Peter Plavchan,
7:30 pm, Temple 002
- November 10 CNAS Public Lecture series, Paul Schweiger,
7:30 pm, Temple 002

PARKING WILL BE AVAILABLE IN LOT 4, SOUTH OF TEMPLE HALL

- Armchair University Science Series
- Mondays, 7 p.m. in the auditorium.
- September 28: **A Trip to Antarctica.** Mount Erebus in Antarctica is the world's most southern active volcano. Dr. Kevin Mickus, geology professor at Missouri State University, will discuss his recent trip to Mount Erebus and the research he conducted there.
- October 26: **Ethical Dilemmas of Global Disease Eradication Programs.** Deborah Corcoran, a medical geographer, will discuss who decides which diseases should be eradicated, and the history and progress of three different international disease eradication programs.
- November 30: **Sherlock Holmes and Flavia de Luce: Comparing the Science.** Dr. Tammy Jahnke, dean of Missouri State University's College of Natural and Applied Sciences, and Dr. James O'Brien, author of "The Scientific Sherlock Holmes," will discuss the science used by popular literary characters Sherlock Holmes and Flavia de Luce to crack their cases.
- <http://thelibrary.org/programs/documents/bookends0715.pdf>

Have a wonderful semester!

- Free portrait days –Tuesday and Wednesday, August 25 and 26 from 9 AM - 4 PM in PSU312!

CNAS Mission Statement

- The College of Natural and Applied Sciences develops educated persons who, upon graduation, are prepared to make sound decisions relative to the natural and applied sciences and society and to be productive and successful in their careers – our commitment to public affairs. We are committed to excellence in teaching, research and scholarly activities, and community and professional service.