



MONTANA
STATE UNIVERSITY

College of
AGRICULTURE &
MONTANA AGRICULTURAL
EXPERIMENT STATION

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NOTICE to ALL faculty: If you haven't yet submitted content for the #IAmAg campaign, [please do so here](#) by the end of the semester.



Outstanding Agricultural Leader awardee Buzz Mattelin addresses attendees at the 20th annual Celebrate Agriculture scholarship dinner on Nov. 1.

Upcoming Events

- **November 14:** "Skill #10: How to Manage Stress, Rejection and the Haters in Your Midst," 12-1:30 p.m. on the online [National Center for](#)

[Faculty Development & Diversity](#) (Sponsored by the MSU Center for Faculty Excellence).

- **November 14:** Bair Ranch Lecture Series presents, "Weed Ecology and the Relationships of Farming Systems, Soil and Microbiology," with Dr. Fabian Menalled, 12-1 p.m. ABB 134
- **December 4:** "Cultivating Your Network of Mentors, Sponsors & Collaborators," 11:45 a.m. - 1 p.m., hosted by Jen Brown, Chemical & Biological Engineering, SUB 235.
- **December 9:** "Hemp: Back to the Future," seminar, 6-7:50 p.m. in the Procrastinator Theatre
- **January 9:** Winter Crop Production Update Meeting, NWARC
- **January 16:** "Every Semester Needs a Plan," 12-1:30 p.m. on the online [National Center for Faculty Development and Diversity](#).

Awards and Recognitions

During the recent Annual Meeting of the State Bar in Billings, Extension's **Marsha Goetting**, MSU Extension Family Economics Specialist, received the 2019 Distinguished Service Award. The award reflects the respect the State Bar has for her development of 43 MontGuides in the estate planning area. For over 40 years Marsha has solicited the input by the section's attorneys to assure the MontGuide information is accurate. Congratulations on a well-deserved honor, Marsha!

Out and About

More than a dozen student and early career presenters attended the **Entomology 2019** conference in St. Louis with ESA president and our faculty member **Bob Peterson**. MSU had 11 presenters at the conference on topics from ants in Yellowstone National Park to larval mortality in wheat stem sawfly. Congratulations on a successful conference to all of our entomologists! Faculty member **Clain Jones** and farmer Rick Engel appeared on Yellowstone Public Radio to discuss soil acidification last week on Nov. 6. You can listen to their segment at the 10:00 minute mark after [following this link](#). Way to go, Clain!

Recent Grants in the COA and MAES

- **Diane Bimczok (MBI):** "Evaluating the phagocytosis of H. Pylori across the human gastric organoid epithelium by MoDC using Imagestream," MJ Murdock Charitable Trust.
- **Diane Bimczok, Mark Jutila, Seth Walk, Connie Wilking, James Wilking (MBI):** "Integration of mononuclear phagocytes into the human gastrointestinal GOFLOWChip for investigation of luminal antigen sampling," NIH.
- **Mac Burgess (PSPP):** "Plant nutrition and soil fertility management for high tunnel vegetable production," MTDA.
- **Mary Burrows (PSPP):** "Root rot mitigation for specialty crops," MTDA.
- **Patrick Carr (CARC):** "Intercropping and compost legacy effects on yield quality and soil dynamics in organic dryland wheat," Utah State University.
- **Chengci Chen (EARC):** "Variety selection and intercropping strategies for disease management in conventional and organic chickpea production," MTDA.
- **Chengci Chen (EARC):** "Evaluation of spring canola varieties under irrigation and determining the optimum seeding window in eastern Montana," North Dakota State University.
- **Frankie Crutcher (EARC):** "Development of Montana-adapted FBH-resistant winter wheat varieties," USDA.
- **Michelle Flenniken (PSPP):** "Advancement of potato virus Y detection and quantification assays," MTDA.
- **Michael Ivie (PSPP):** "Foundational research for specialty crop pollination security: The (Wild) Bees of Montana," MTDA.
- **Qasim Khan (SARC):** "Variety selection and agronomic performance of fava bean," MTDA.
- **Rachel Leisso (WARC):** "Supporting emerging needs and enhancing profitability in Montana small fruit production through research, education and market development," MTDA.
- **Kent McVay (SARC):** "Understanding chickpea and dry pea water use to build better crop rotations," MTDA.
- **Zachariah Miller (WARC):** "Expanding MT's apple industry through research, outreach, education and orchard preservation," MTDA.

- **Agnieszka Rynda-Apple (MBI):** "Generalized immune recognition and response of non-viral and viral repeating subunit patterns," MJ Murdock Charitable Trust.
- **Seth Walk (MBI):** "Understanding the nutrient niche of commensal Enterobacteriaceae," MJ Murdock Charitable Trust.
- **David Wheeler (PSPP):** "A diagnostics tool for potato and pulse crop pathogens," MTDA.
- **David Wheeler (PSPP):** "Organic management of root rot disease complex, a major constraint to pulse crop production," MTDA.

Upcoming Funding Opportunities

- WSARE Research to Grass Roots Grant Program: internal MSU submission due **November 15**, NIFA proposal due **November 20**
- Montana Water Center Water Resource Fellowship Program: proposal due **November 15**
- NIH Human-Animal Interaction Research: LOI due **November 20**, application due **December 20**
- EPA Approaches to Reduce Nutrient Loadings for Harmful Algal Blooms Management: Application due **December 10**
- The next application deadline for graduate admission to the Molecular BioSciences Program is **December 14**. Let your graduate students know!
- NSF Biology Integration Institutes: LOI due **December 20**, proposal due **February 6, 2020**
- USDA Agriculture Innovation Demonstration Center Program: Application due **March 20, 2020**

Notices

COA/MAES Teaching & Equipment RFP

Submit to: Jody Barney, Budget and Fiscal Director of COA/MAES, at jody.barney@montana.edu and your department head.

Submission Due Date: **Friday, November 15** by 5 p.m.

[Required document: Application PDF](#)

COA/MAES is pleased to announce an equipment RFP for each component of our operations. The College of Agriculture has set aside \$40,000 for instructional

equipment and the Montana Agricultural Experiment Station has set aside \$410,000 for research equipment. The funding will need to be expended no later than May 31, 2020.

The impact on your research program (teaching program for instructional equipment requests) and Montana Agriculture will be the main consideration for awarding the grants. Preference will be given to awardees with matching funds from external sources. We look forward to our internal applications.

To Apply: Please fill out the application PDF and submit to Jody Barney, Budget and Fiscal Director of COA/MAES, at jody.barney@montana.edu as well as your department head. Proposals are due Friday, November 15 by 5 p.m. A faculty committee will evaluate and make recommendations for funding to Sreekala Bajwa, MSU Vice President of Agriculture. Award announcements will be shared after the committee has selected award projects.

The **Year of Undergraduate Research** is underway! Tell us about your students' work so we can recognize them
The Department of Research Centers is currently **recruiting three tenure track faculty positions** at the NWARC, SARC and WTARC. Please forward these links to anyone you feel may be interested.

- **NWARC, Kalispell:** [Assistant/Associate Professor - Cropping Systems Agronomist](#)
- **SARC, Huntley:** [Assistant Professor - Weed Science](#)
- **WTARC, Conrad:** [Superintendent & Professor \(open rank\) of Agronomy](#)

The new website for the **Earth, Ecology and Environmental Sciences** program is up and running. [Check it out here!](#)

Do you have new research, awards or honors, or know someone who does and might be too shy? Email reagan.colyer@montana.edu with news and developments!

COA/MAES in the News

[MSU's Mamie Hertel becomes first woman from Montana selected as national FFA officer](#)

[Traumatic brain injury leads student veteran into neuroscience](#)

[Annual John Deere Ag Expo set for Nov. 14-16 at MSU](#)

[MSU freshman Rachael Koss wins 2019 Science as Art Contest](#)

[MSU researchers win \\$3 million NIH grant to study gut immune system](#)

[MSU economics professor featured in Netflix documentary series on the business of sugar](#)

[MSU senior followed her passions to academic authorship in studies of unique fungi](#)

[MSU Extension family economics specialist receives distinguished service award](#)

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