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You have submitted the following Workshop to Plant and Animal Genome Conference / PAG 34
(January 8-12, 2027). Receipt of this notice does not guarantee that your submission was complete, free of errors, or accepted for presentation.

US National Animal Genome Research Program (NRSP8)

Workshop Title

(Note: Titles cannot be edited. Changes can only be made by PAG staff.)
US National Animal Genome Research Program (NRSP8)

Submitter's Email
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Summary
Over the course of two decades, the National Animal Genome Research Program (NRSP8) was hugely successful, helping to deliver complete genome sequences of seven agricultural animal species (pig, cattle, sheep, goat, horse, chicken and turkey) and providing genetic tools and resources that have revolutionized the animal breeding industry. Genome-enabled technologies co-developed under NRSP8 are now helping to deliver commercial animal breeding and production for many species, resulting in a multifold return on investment to US stakeholders and producers. In 2023, the focus of NRSP8 pivoted to capacity development, with a target of "Science to Practice", which is the application of genomics- enabled technologies to traits and phenotypes critical to animal industries. With this shift in focus, the NRSP8 community is expanding to include direct involvement of additional stakeholders, including non-genomics scientists and researchers, Extension personnel, informaticists, engineers, and animal industry representatives. This workshop will highlight ongoing research by the NRSP8 community, an update on the new USDA genomics blueprint, and two exciting keynote speakers, all focused on opportunities and challenges facing the agricultural animal genetics community. This workshop has been authorized as the official annual business meeting for NRSP8, and will include updates from the program's leadership, summarized station reports, and discussion of future plans for the group.

Expected Attendance
51-100

Search Category
Animals: Aquaculture

Search Category

Animals: Livestock

Search Category
Other: Education

Search Category
Plants and Animals: Others, such as Functional Genomics

Search Category

Staff Only

Session Type
1090

Type:
Oral

Slot:
Sunday, January 10, 2027: 1:30 PM-6:10 PM

Room:
Palm 5-6

Abstract id# 64132

Start Time:
1:30 PM

Introductory Remarks

Abstract id# 65458

Start Time:
1:40 PM

NRSP8 Trainee Travel Award Winner Lightning Talks

Abstract id# 65455

Start Time:
2:20 PM

How to Build Successful Collaborations across Disciplines

Jennifer Clarke, University of Nebraska

Abstract id# 64133

Start Time:
3:15 PM

Break

Abstract id# 65461

Start Time:
3:25 PM

Disentangling Sub-Phenotypic Transcriptomes In Complex Traits

Shamdeed Kabir, University of Delaware, Newark, DE

Abstract id# 65462

Start Time:
3:40 PM

A Scalable Massively Parallel Reporter Assay (MPRA) Pipeline for Functional Validation of Avian Regulatory Elements

Liqi An, Department of Animal Science, University of California, Davis, Davis, CA

Abstract id# 65463

Start Time:
3:55 PM

An Online Open-Source Interactive Software for Breeding Data Quality Control and Assisting Genetic Evaluation

Huangyi Tang, Purdue University, Lafayette, IN

Abstract id# 65464

Start Time:
4:10 PM

Creating High-Quality Equine Transcriptome Models from Long-Read Transcript Sequencing Data

Hayden K R Hamsher, University of Minnesota, Minneapolis, MN

Abstract id# 65457

Start Time:
4:25 PM

The Role of AI In Agricultural Animal Genetics: Where Are We Going and How Do We Get There?

Anna Wolc, Department of Animal Science, Iowa State University, Ames, IA

Abstract id# 65466

Start Time:
5:20 PM

Break

Abstract id# 65460

Start Time:
5:30 PM

USDA Update

Abstract id# 65459

Start Time:
5:45 PM

NRSP8 Business Meeting and Strategic Project Reports

Organizer

Annette M McCoy
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Associate Professor
University of Illinois
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USA

Biographical Sketch Dr. McCoy is a veterinarian board-certified in large animal surgery and a researcher in the field of equine genetics/genomics. As a clinician-scientist in academic veterinary medicine, her scholarly activities combine her clinical interests and expertise, particularly in orthopedics, with her research training in computational genetics/genomics. She leverages high-throughput molecular research tools to investigate the etiology and pathophysiology of clinically relevant disease in the horse.

If necessary, you can make changes to your workshop between now and the deadline of .

To access your submission in the future, use the direct link to your workshop submission from one of the automatic confirmation emails that were sent to you during the submission.
Or point your browser to https://studio.m-anage.com/pag/reminder.cgi to have that URL mailed to you again. Your username/password are 15560/473394.

Any changes that you make will be reflected instantly in what is seen by the reviewers. You DO NOT need to go through all of the submission steps in order to change one thing. If you want to change the title, for example, just click "Title" in the workshop control panel and submit the new title.

When you have completed your submission, you may close this browser window.

Tell us what you think of the workshop submittal

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