

Genomics for Animal Sciences - Summer Workshop

A one-day, hands-on training and networking event for animal scientists, genomics researchers, and industry professionals

Date

Sunday, July 19, 2026 (All Day)

Location

Madison, Wisconsin - ASAS Pre-Conference Symposia

Why Attend?

Join us for an engaging day of **learning, collaboration, and networking** designed for participants at **all experience levels**, from those new to genetics and genomics to researchers applying advanced analytical approaches.

- Learn from leading experts in animal genomics
- Build practical skills you can apply to your research or program
- Connect with colleagues across academia and industry
- Contribute to discussions shaping future NRSP8 training and priorities

Workshop Tracks

Participants will select one of three focused tracks:

- **Track 1: Introductory Genetics/Genomics (Foundations)**
Core concepts, terminology, data types, and essential workflows
- **Track 2: Advanced Functional Genomics**
Transcriptomics, gene regulation, and multi-omics integration
- **Track 3: Advanced Quantitative Genomics**
GWAS, genomic prediction, and applications in breeding and complex traits

Additional Highlights

- **Interactive sessions**
- **Full-group roundtable discussion** to connect across tracks
- Networking opportunities with peers and leaders in the field

Registration & Information

 Registration: https://aub.ie/registration_workshop

Travel Awards Available

A limited number of **travel awards** are available to support student and early-career participation.

 Application for Travel Awards https://aub.ie/travel_app

Who Should Attend?

- Undergraduate and graduate students
- Postdoctoral fellows
- Faculty and researchers
- Industry professionals
- Anyone interested in applying genomics in animal systems

Join Us in Madison!

Be part of a collaborative effort to **advance animal genomics and build capacity across disciplines.**

Funded by NRSP8 – RCN and NIFA – AFRI

Program

Genomics for Animal Sciences - Summer Workshop – *Building Capacity in Animal Genomics*

Sunday, July 19, 2026 | Madison, Wisconsin (ASAS Pre-Conference Symposia)

8:00 – 9:00 AM | Registration & Morning Coffee

- Check-in
- Informal networking with participants and speakers

9:00 – 10:00 AM | Welcome & Workshop Overview

- Opening remarks
- Overview of the workshop structure and objectives
- **History, impact, and future vision of NRSP8**

10:00 AM – 12:00 PM | Concurrent Workshop Tracks

(Participants select one track)

- **Track 1: Introductory Genetics/Genomics (Foundations)**
 - **Dr. Fiona McCarthy** – The University of Arizona
 - **Dr. Wellison Diniz** – Auburn University
- **Track 2: Advanced Functional Genomics**
 - **Dr. James Koltes** - Iowa State University.
- **Track 3: Advanced Quantitative Genomics (GWAS and Genomic Prediction)**
 - **Dr. Nanye Long** – Michigan State University
 - **Dr. Molly McCue** - University of Minnesota
 - **Dr. Wen Huang** – Michigan State University

10:50 – 11:00 AM | Short Break within tracks

12:00 – 1:30 PM | Networking Lunch

- Informal discussion and cross-group interaction

1:30 – 3:00 PM | Concurrent Workshop Tracks cont'd

3:00 – 4:00 PM | Full-Group Roundtable Discussion

- Key takeaways from each track
- Shared challenges and opportunities
- Future directions and collaboration priorities

4:00 – 5:00 PM | Networking Reception

- Continued discussion and collaboration building