



AGBT 2022TM

AGRICULTURE

Program for NRSP-8 Meeting, Saturday April 3

NRSP-8 Cattle, Goats, Sheep, and Swine Workshop

8:00 – 8:20 AM	Milena Saqui-Salces	Use of Swine Enteroids as <i>in vitro</i> Model for Intestinal Function (<i>on-line</i>)
8:20 – 8:40 AM	Tami Brown-Brandl	Using Precision Animal Management Data for Genetics/Genomics Research (in person)
8:40 – 9:00 AM	Juan Steibel	TBA (<i>in person</i>)
9:00 – 9:20 AM	Joao Dorea	Harnessing the Power of Computer Vision Systems to Advance Livestock Phenomics (<i>in person</i>)
9:20 – 9:35 AM	Chunpeng James Chen	Low-Cost Long-Term Pig Tracking using Single RGB Camera and Unsupervised Convolutional Learning (<i>on-line</i>)
9:35 – 9:50 AM	Yanghua He	Environmental Genome-Wide Association Reveals Climate Adaptation of Beef Cattle in Hawaii (<i>on-line</i>)
9:50 – 10:05 AM	Zaira Estrada-Reyes	Estimation of Genetic Parameters for Parasite Resistance in Florida Cracker Sheep (<i>on-line</i>)
10:05 – 10:30 AM		BREAK
10:30 – 10:45 AM	Ben Rosen	Integrating Diverse Assembly Types into a Bovine Pangenome (<i>on-line</i>)
10:45 – 11:00 AM	Moustafa Shokrof/Titus Brown	Toward a Comprehensive Structural Variant Catalog of Cattle Breeds (<i>in person</i>)

11:00 – 11:15 AM	Brenda Murdoch	Developing the Sheep Pan-Genome (<i>in person</i>)
11:15 – 11:30 AM	Derek Bickhart	TBA (<i>likely on-line</i>)
11:30 – 12:00 PM	All	Discussion of Pangenomes (<i>in person and on-line</i>)
12:00 – 1:00 PM		LUNCH (provided)

NRSP-8 Joint Workshop

1:00 – 1:10 PM	Jack Dekkers and Brenda Murdoch	(NRSP8 co-chairs) Opening remarks
1:10 – 1:30 PM	Noelle Cockett	The importance of the U.S. National Animal Genomes Research Project Towards Genomes to phenomes (<i>in person</i>)
1:30 – 1:50 PM	Jack Dekkers	A roadmap for the future of NRSP-8 (<i>in person</i>)
1:50 – 2:10 PM	Fiona McCarthy	Capacity funding for bioinformatics support for animal genomics (<i>in person</i>)
2:10 – 2:30 PM	Brenda Murdoch	Opportunities for NRSP8 through the AG2PI (<i>in person</i>)
2:30 – 3:00 PM	Parag Chitnis	NIFA Associate Director (<i>likely in person</i>)
3:00 – 3:30 PM		BREAK
3:30 – 4:00 PM	Angelica Van Goor	NIFA representative for NRSP-8 (<i>likely in person</i>)
4:00 – 5:00 PM	All	Industry panel discussion (<i>most in person</i>)
5:00 – 6:00 PM		NRSP-8 Business Meeting (<i>in person and on-line</i>)