

ASURSA Newsletter

Animal Science Undergraduate Research Student Association Volume 1, Issue 7
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RESEARCH PROJECT UPDATE

Dairy Heifer Project

The thesis for our calf project was finalized and submitted for the UURAF presentation last week. We are currently underway with data analysis and draft writing for the presentations. Several meetings to work on them will be planned.

Broiler Project

We will be participating in a project with Dr. Williams, collecting blood and data from broiler chickens to look at toxicology. Please look out for when we announce a start date!

Upcoming Events

February 9: Data Analysis Meeting

February 26: Guest Speaker at general meeting

Research News

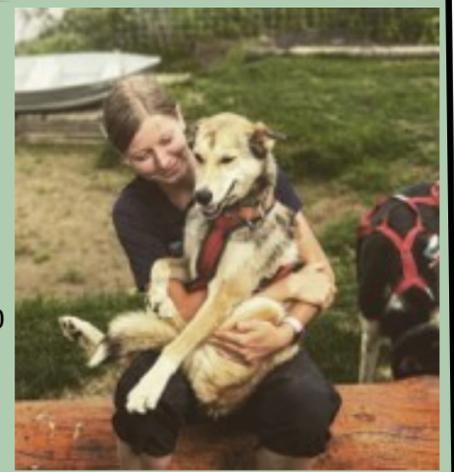
Revolutionize livestock breeding in the future: an animal embryo-stem cell breeding system in a dish

In order to satisfy human nutrition needs by 2050 meat and milk production needs to significantly increase from current levels. A team of scientists recently proposed a way to achieve such genetic gain without the need for conventional breeding programs. The novel embryo-stem cell breeding system would essentially achieve 30-40 times more genetic gain in a shorter timeframe by directly mating and selecting embryos in a dish. While some challenges must be overcome before such technology can be implemented, this idea may revolutionize animal industry worldwide.

<https://jasbsci.biomedcentral.com/articles/10.1186/s40104-018-0304-7>

Member Spotlight: Jenna Grabowski (ASURSA PR Chair)

This week's ASURSA Member Spotlight is Jenna! She is a sophomore from Crystal Falls, a small town in the Upper Peninsula of Michigan! She is majoring in Animal Science and has plans on applying to vet school. This is her first year on E-board. She currently works in the Animal Molecular Genetics Laboratory and the Meadow Brook Immunobiology Laboratory. During the summer, she works in Fairbanks, Alaska, at Trail Breaker Kennel. She cares for the health of over 50 Alaskan Huskies and raises litters of puppies. While working at the kennel, she gives tours that educates large groups. Last winter, she helped train a team of Alaskan Huskies for the Yukon Quest 300-mile race. This summer she will continue working in Fairbanks and will be helping the University of Fairbanks with a research project that will focus on the kennel's dogs and the lake's ecosystem on the kennel's property.



What to do for the next meeting?

- Meet in 1240 ANH at 7pm
- Look back at the meeting slides for links and sign-ups!

FEBRUARY 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29 General Meeting	30	31	1	2
3	4	5	6	7	8	9 Data Meeting
10	11	12 General Meeting	13 V-Day Bake Sale	14	15 Spartan Stampede Rodeo; 3 day event	16
17	18	19	20	21	22	23
24	25	26 General Meeting	27	28	1	2
3	4	5	6	7	8	9

Our next meeting will be Tuesday, February 26th at 7:00PM in 1240 Anthony Hall ~ see you there!