Department of Animal Science Seminar Series
Winter 2022, Tuesdays, 11:30 am – 12:45 pm

Seminar Schedule

Instructors
MSc Students
Dr. Chengbo Yang

PhD Students
Dr. Karmin O

Meeting Room
Online (WebEx)

Meeting Dates/Time
Fall Semester
Tuesdays from
10:00 – 11:15

Winter Semester
Tuesdays from
11:30 – 12:45

Exception
Faculty Seminars are held once a month on Wednesdays from 3:00 – 4:30 pm in the Carolyn Sifton Lecture Theatre, 130 Agriculture Bldg. During these weeks there won’t be an Animal Science Seminar unless stated otherwise.

Animal Science Seminar Series includes sessions that are devoted to research and extension or update/review of topics in animal-agriculture. The program also creates a mutually supportive and positive learning environment so graduate students can share their results, obtain feedback on their work, and improve their presentation and communication skills.

Refreshments will be available.

**January 25, 2022**
**Scientific presentation**
Management of acute kidney injury

**Extension presentation**
Impacts of climate change on grasslands

**Chair:** Tao Wang, MSc student  
**Speaker:** Charith Wijerathne, PhD student  
**Evaluator:** Kelebe Gunte, PhD student

**Speaker:** Bryan Encabo, MSc student  
**Evaluator:** Yanxing Niu, PhD student

**General Evaluator:** Dr. Argenis Rodas-Gonzalez

**February 1, 2022**
**Extension Presentation**
Application of sodium metabisulfite in swine nutrition

**Extension Presentation**
Understanding the effects of the COVID-19 pandemic on animal agriculture

**Chair:** Aaron Knodel, MSc student  
**Speaker:** Tao Wang, MSc student  
**Evaluator:** Oluwakemi Omotosho, MSc student

**Speaker:** Ashlyn Scott, MSc student  
**Evaluator:** Ankita Saikia, MSc student

**General Evaluator:** Dr. Anna Rogiewicz

**February 8, 2022**
**Scientific presentation**
Development, characterization and validation of a recombinant cELISA for the rapid detection of H5 Avian Influenza antibodies in poultry animals

**Poster presentation**
TBD

**Chair:** Oluwakemi Omotosho, MSc student  
**Speaker:** Orie Hochman, MSc student  
**Evaluator:** Andy Che, MSc student

**Speaker:** Arantxa Asun, MSc student  
**Evaluator:** Wijerathne Charith, PhD student

**General Evaluator:** Dr. Karmin O

**February 15, 2022**
**Scientific presentation**

**Chair:** Bryan Encabo, MSc student  
**Speaker:** Hannah Keenes, MSc student  
**Evaluator:** Laura Beens, MSc student
ALL ARE WELCOME!

Seminar Format

Chair – 2 to 3 min
Call to order; Housekeeping items; Introduction of speaker

Presentation
Extension talk – 25 to 30 min followed by 10 to 15 min of questions and discussion
Poster presentation – 12 to 15 min followed by 5 to 8 min of questions and discussion
MSc Scientific presentation – 12 to 15 min followed by 5 to 8 min of questions and discussion
PhD Scientific presentation – 40 to 45 min followed by 10 to 15 min of questions and discussion
Special seminars – 40 to 45 min followed by 10 to 15 min of questions and discussion

Chair
Introduction of evaluator

Evaluator – 2 to 3 min
Evaluation of speaker

Chair – if more than one presentation given in a session, Chair will continue with the introduction of the second speaker and then the second evaluator

Chair
Introduction of General evaluator

General Evaluator – 5 min
Evaluation of Chair and Evaluator(s); if necessary

Survey of cow-calf operations to characterize manure nutrient profile and management practices

Speaker: Ekoria Chan, MSc student
Evaluator: Carla Plett, MSc student
General Evaluator: Dr. George Gozho

March 1, 2022
Poster presentation
Estimation of carrying capacities and stocking rates of agricultural Crown lands in Manitoba

Scientific presentation
The prebiotic effect of enzymatically-released bioactive components of canola meal fiber on gut health and growth performance

Speaker: Yanxing Niu, PhD student
Evaluator: Ashlyn Scott, MSc student
General Evaluator: Dr. Meagan King

March 8, 2022
Extension presentation
Development of a tool for rapid analysis of glucosinolates in canola meal

Poster presentation
Expeller/cold pressed canola as a valuable feed ingredient for poultry

Speaker: Tetiana Sessingnong, MSc student
Evaluator: Tao Wang, MSc student
General Evaluator: Dr. Emma McGeough

March 15, 2022
Scientific presentation
Characterization of first cut alfalfa grass silage management practices on Canadian dairy farms and their impact on quality

Poster presentation
TBD

Speaker: Ankita Saikia, MSc student
Evaluator: Shengnan Li, PhD student
General Evaluator: Dr. Karmin O

March 22, 2022
Scientific presentation
The role of the pig gut microbiome and diet type in determining the efficiency of feed utilization

Speaker: Bryan Encabo, MSc student
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<th>Date</th>
<th>Event</th>
<th>Chair</th>
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<th>Evaluator</th>
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<tr>
<td>March 29, 2022</td>
<td><strong>Scientific presentation</strong></td>
<td>Dr. Chengbo Yang</td>
<td>Dr. Bill Weiss, Emeritus Professor, Department of Animal Science, Ohio State University</td>
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<td>Land cover classification of agricultural Crown lands in Manitoba using remotely sensed inventories</td>
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<td><strong>General Evaluator:</strong> Dr. Kees Plaizier</td>
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<td>April 5, 2022</td>
<td><strong>Scientific Presentation</strong></td>
<td>Ashlyn Scott, MSc student</td>
<td>Laura Beens, MSc student</td>
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<td>Improving competitiveness and sustainability of pork production through increase in feed efficiency and improved carcass quality by innovative application of microbiome profiling, computed tomography and genomics</td>
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<td>Jinyoung Lee, PhD student</td>
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<td><strong>Scientific Presentation</strong></td>
<td>Aaron Knodel, MSc student</td>
<td>Shunshun Jin, PhD student</td>
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<td>April 12, 2022</td>
<td><strong>Scientific presentation</strong></td>
<td>Shengnan Li, PhD student</td>
<td>Qianru Hui, PhD student</td>
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<td>Improving bone health and eggshell quality through maintaining a desired calcium homeostasis in laying hens</td>
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<td>Jichen Song, PhD student</td>
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<td><strong>Scientific presentation</strong></td>
<td>Tetiana Sessingnong, MSc student</td>
<td>Xiaoya Zhao, PhD student</td>
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<td>Expeller/cold pressed canola as a valuable feed ingredient for poultry</td>
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<td>April 19, 2022</td>
<td><strong>Special Seminar</strong></td>
<td>Dr. Chengbo Yang</td>
<td>Amy Johnston, MSc. PAg. Livestock Specialist – Poultry</td>
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<td>TBA</td>
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<td>Manitoba Agriculture and Resource Development</td>
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