



**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

*Extension presentation*

Applications of organic minerals in ruminants

**Speaker:** Arantxa Asun, MSc student

**Evaluator:** Wijerathne Charith, PhD 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:** Aaron Knodel, MSc student

**Evaluator:** Arantxa Asun, MSc 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

*Extension presentation*

TBD

**Speaker:** Ekorina 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

**Chair:** Ankita Saikia, MSc student

**Speaker:** Bryan Encabo, MSc student

**Evaluator:** Ekorina Chan, MSc student

**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

**Chair:** Baiyan Zhou, MSc student

**Speaker:** Andy Che, MSc student

**Evaluator:** Shiven Patel, MSc student

**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

**Chair:** Chantele Gouliquer, MSc student

**Speaker:** Carla Plett, MSc student

**Evaluator:** Bryan Encabo, MSc student

**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

**Chair:** Arantxa Asun, MSc student

**Speaker:** Yujia Wu, MSc student

**Evaluator:** Baiyan Zhou, MSc student

**Speaker:** Bryan Encabo, MSc student



provides additional comments to  
the speaker(s)

Chair/Course Instructors

Announcements and closing  
remarks

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*Scientific presentation*

Land cover classification of agricultural  
Crown lands in Manitoba using remotely  
sensed inventories

**Evaluator:** Chantele Gouliquer, MSc student

**General Evaluator:** Dr. Kees Plaizier

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**March 29, 2022**

*TK Cheung Special Seminar*

Variability in nutrient composition and  
implications for ration formulation

**Chair:** Dr. Chengbo Yang

**Speaker:** Dr. Bill Weiss, Emeritus Professor,  
Department of Animal Science, Ohio State  
University

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**April 5, 2022**

*Scientific Presentation*

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

**Chair:** Ashlyn Scott, MSc student

**Speaker:** Laura Beens, MSc student

**Evaluator:** Jinyoung Lee, PhD student

*Scientific Presentation*

TBD

**Speaker:** Aaron Knodel, MSc student

**Evaluator:** Shunshun Jin, PhD student

**General Evaluator:** Dr. Karmin O

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**April 12, 2022**

*Scientific presentation*

Improving bone health and eggshell  
quality through maintaining a desired  
calcium homeostasis in laying hens

**Chair:** Shengnan Li, PhD student

**Speaker:** Qianru Hui, PhD student

**Evaluator:** Jichen Song, PhD student

*Scientific presentation*

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

**Speaker:** Tetiana Sessingnong, MSc student

**Evaluator:** Xiaoya Zhao, PhD student

**General Evaluator:** Dr. Karmin O

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**April 19, 2022**

*Special Seminar*

TBA

**Chair:** Dr. Chengbo Yang

**Speaker:** Amy Johnston, MSc. PAg.  
Livestock Specialist – Poultry  
Manitoba Agriculture and Resource  
Development