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

### Seminar Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Chair</th>
<th>Speaker</th>
<th>Evaluator</th>
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<tbody>
<tr>
<td>January 25, 2022</td>
<td><em>Scientific presentation</em> Management of acute kidney injury</td>
<td><strong>Chair:</strong> Tao Wang, MSc student</td>
<td><strong>Speaker:</strong> Charith Wijerathne, PhD student</td>
<td><strong>Evaluator:</strong> Kelebe Gunte, PhD student</td>
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<td></td>
<td><em>Extension presentation</em> Impacts of climate change on grasslands</td>
<td></td>
<td><strong>Speaker:</strong> Bryan Encabo, MSc student</td>
<td><strong>Evaluator:</strong> Yanxing Niu, PhD student</td>
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<td><strong>General Evaluator:</strong> Dr. Argenis Rodas-Gonzalez</td>
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<tr>
<td>February 1, 2022</td>
<td><em>Extension Presentation</em> Application of sodium metabisulfite in swine nutrition</td>
<td><strong>Chair:</strong> Aaron Knodel, MSc student</td>
<td><strong>Speaker:</strong> Tao Wang, MSc student</td>
<td><strong>Evaluator:</strong> Oluwakemi Omotosho, MSc student</td>
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<td><strong>Speaker:</strong> Ashlyn Scott, MSc student</td>
<td><strong>Evaluator:</strong> Ankita Saikia, MSc student</td>
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<td><strong>General Evaluator:</strong> Dr. Anna Rogiewicz</td>
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<tr>
<td>February 8, 2022</td>
<td><em>Scientific presentation</em> Development, characterization and validation of a recombinant cELISA for the rapid detection of H5 Avian Influenza antibodies in poultry animals</td>
<td><strong>Chair:</strong> Oluwakemi Omotosho, MSc student</td>
<td><strong>Speaker:</strong> Aaron Knodel, MSc student</td>
<td><strong>Evaluator:</strong> Andy Che, MSc student</td>
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<td></td>
<td></td>
<td><strong>Speaker:</strong> Arantxa Asun, MSc student</td>
<td><strong>Evaluator:</strong> Arantxa Asun, MSc student</td>
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<td><strong>General Evaluator:</strong> Dr. Karmin O</td>
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<tr>
<td>February 15, 2022</td>
<td><em>Scientific presentation</em></td>
<td><strong>Chair:</strong> Bryan Encabo, MSc student</td>
<td><strong>Speaker:</strong> Hannah Keenes, MSc student</td>
<td><strong>Evaluator:</strong> Laura Beens, MSc student</td>
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**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.

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**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.
### 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

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<tr>
<th>Date</th>
<th>Title</th>
<th>Description</th>
<th>Speaker/Author</th>
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<tbody>
<tr>
<td>March 1, 2022</td>
<td><strong>Extension presentation</strong></td>
<td>TBD</td>
<td>Ekoria Chan, MSc student</td>
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<tr>
<td></td>
<td><strong>Scientific presentation</strong></td>
<td>The prebiotic effect of enzymatically-released bioactive components of canola meal fiber on gut health and growth performance</td>
<td>Yanxing Niu, PhD student</td>
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<tr>
<td>March 8, 2022</td>
<td><strong>Extension presentation</strong></td>
<td>TBD</td>
<td>Andy Che, MSc student</td>
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<td></td>
<td><strong>Poster presentation</strong></td>
<td>Development of a tool for rapid analysis of glucosinolates in canola meal</td>
<td>Shiven Patel, MSc student</td>
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<tr>
<td>March 15, 2022</td>
<td><strong>Scientific presentation</strong></td>
<td>Characterization of first cut alfalfa grass silage management practices on Canadian dairy farms and their impact on quality</td>
<td>Ankita Saikia, MSc student</td>
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<td><strong>Poster presentation</strong></td>
<td>TBD</td>
<td>Shengnan Li, PhD student</td>
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<tr>
<td>March 22, 2022</td>
<td><strong>Scientific presentation</strong></td>
<td>The role of the pig gut microbiome and diet type in determining the efficiency of feed utilization</td>
<td>Baiyan Zhou, MSc student</td>
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<tr>
<td></td>
<td><strong>Poster presentation</strong></td>
<td>TBD</td>
<td>Bryan Encabo, MSc student</td>
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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

**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  
**Evaluator:** Jinyoung Lee, PhD student

**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  

**Speaker:** Aaron Knode, MSc student  
**Evaluator:** Shunshun Jin, PhD student  
**General Evaluator:** Dr. Karmin O

**April 12, 2022**
*Scientific presentation*
Improving bone health and eggshell quality through maintaining a desired calcium homeostasis in laying hens  

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

**Chair:** Shengnan Li, PhD student  
**Speaker:** Qianru Hui, PhD student  
**Evaluator:** Jichen Song, PhD student  
**Speaker:** Tetiana Sessingnong, MSc student  
**Evaluator:** Xiaoya Zhao, PhD student  
**General Evaluator:** Dr. Karmin O

**April 19, 2022**
*Special Seminar*
*TBA*  

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