



The University of Melbourne - Hokkaido University  
Conference on



# Livestock Production Science Innovations and Technologies

**Topic: Sustainable Livestock Production to Produce  
Quality Food for a Healthy Planet**

**Tuesday 18<sup>th</sup> July 2023**

**12:00 JST / 13:00 AEST – 17:45 JST / 18:45 AEST**

**Centennial Hall, Hokkaido University**

## **【Programme】**

- 11:00 (12:00 AEST) [Opening Communication among Participants](#)  
11:30 (12:30 AEST) [Zoom Meeting Opens](#)  
12:00 (13:00 AEST) [Welcome Address](#)  
Prof Noboru Noguchi (Dean, Graduate school of Agriculture, HU)  
12:15 (13:15 AEST) [Video Introduction of Hokkaido University](#)

## **Session I: The University of Melbourne Presentations**

- 12:45 (12:45 AEST) Chair: Dr Surinder Chauhan  
12:50 (13:50 AEST) Prof Robyn Warner  
13:35 (14:35 AEST) Dr Kristy DiGiacomo  
13:50 (14:50 AEST) Dr Surinder Chauhan  
14:10 (15:10 AEST) Dr Jeremy Cottrell (online)  
14:30 (15:30 AEST) Associate Prof Brendan Cullen(online)  
15:00 (16:00 AEST) [Coffee Break \( 20 minutes \)](#)

## **Session II: Hokkaido University Presentations**

- 15:20 (16:20 AEST) Chairs: Profs Takafumi Gotoh & Masashi Takahashi  
15:25 (16:25 AEST) Prof Masashi Takahashi  
15:45 (16:45 AEST) Associate Prof Jun-ichi Wakamatsu  
16:05 (17:05 AEST) Prof Satoshi Koike  
16:25 (17:25 AEST) Prof Takafumi Gotoh  
16:45 (17:45 AEST) Mr Tomotaka Ando  
17:05 (18:05 AEST) Mr Shikishima  
17:35 (18:35 AEST) [Q&A, Discussion](#)  
17:45 (18:45 AEST) [Closing Remarks](#)  
Prof Takanori Nishimura

# ZOOM LINK

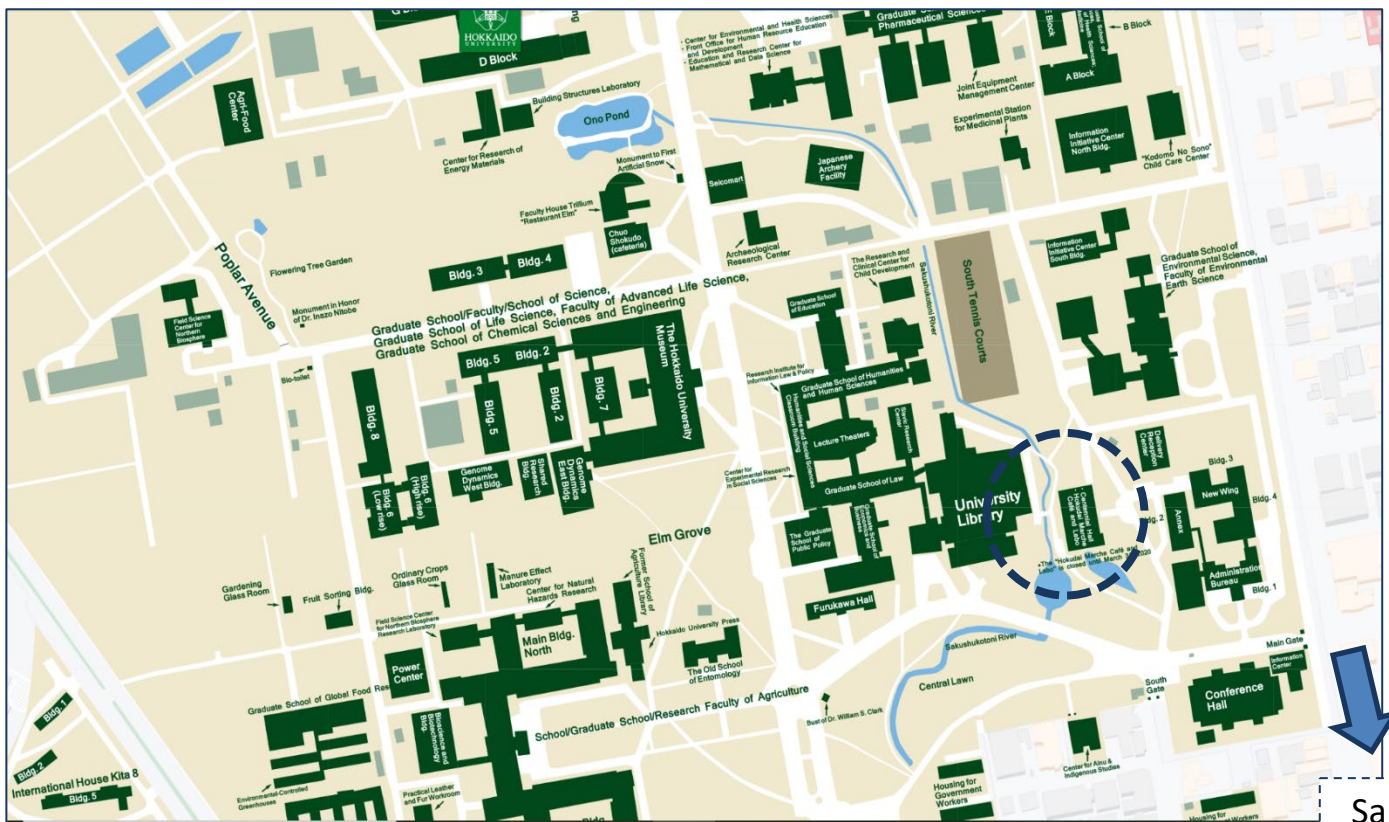
<https://zoom.us/j/93492651261?pwd=YitiRFcvZVICUHpHWUxsaG4xcElxQT09>

Meeting ID: 934 9265 1261

Passcode: 477723

- The zoom connection will be open 30 minutes before the session starts. (11:30 JST, 12:30 AEST)

# MAP



Sapporo station

# Speakers



## **Prof Robyn Warner**

Professor of Meat Science in the Faculty of Science at The University of Melbourne. She is Australia's contact person for the Annual International Congress of Meat Science and Technology, the editor-in-chief for the Meat Science section of the on-line journal Food, and the Chair of the Melbourne University sponsored Hallmark Research Project Initiative Future Food.

Areas of interest and expertise include generally, developing a through chain approach to ensuring a sustainable future food industry and specifically, packaging interventions and smart packaging, consumer sensory perceptions as well as fundamental investigations of the biology biochemistry and biophysics of muscle and food in determining tenderness, colour, flavour and shelf-life.



## **Dr Kristy DiGiacomo**

Kristy is a senior lecturer in production animal nutrition and physiology at The University of Melbourne and is a Veski sustainable agriculture fellow. Dr DiGiacomo's current research involves a variety of production animal species including sheep, dairy cattle, dairy goats and pigs. Her research focuses on livestock nutrition, physiology and adaptation to the external environment. Dr DiGiacomo's research examines the role of nutrition and nutritional supplements in managing and manipulating animal growth and production under various physiological and environmental conditions such as lactation and heat stress. The focus of this research is to understand the impact of nutrition on metabolism and nutrient partitioning in order to manage animals for improved productivity and environmental sustainability.



## **Dr Surinder Singh Chauhan**

An Animal Scientist and his research program strives to deliver solutions to promote sustainable, and efficient livestock production systems (cattle, sheep, goat, and pigs) capable of producing quality animal protein for the consumers. The premise of his research program is to develop suitable strategies (molecular genetic markers to assist in selection for thermotolerance, and nutrigenomics approach to regulate metabolism) to mitigate heat stress impacts on food animal production, and to identify and deliver innovative tools to improve meat quality (specifically by elucidating the genetic, molecular and biochemical basis of meat quality).



## **Dr Jeremy Cottrell**

Senior Lecturer Dairy and Livestock Science School of Agriculture, Food and Ecosystem Sciences



## **Dr Brendan Cullen**

A Senior Lecturer in grazing systems in the Faculty of Veterinary & Agricultural Sciences at The University of Melbourne. Over the last 15 years, Brendan has worked on a series of research projects with the dairy and red meat industries to understand the impacts of projected climate changes on livestock production businesses across Australia.

The research aims to identify industry pathways that are adapted to a variable and changing climate. Brendan has completed a Bachelor of Agricultural Science degree and PhD on pasture plant ecophysiology from The University of Melbourne.

# Speakers



**Prof Masashi Takahashi (高橋昌志 教授)**

Affiliation is research Faculty of Agriculture Fundamental AgriScience Research Animal Science.



**Associate Prof Jun-ichi Wakamatsu (若松純一 准教授)**

Research Faculty of Agriculture Fundamental AgriScience Research Animal Science Associate Professor



**Prof Satoshi Koike (小池聡 教授)**

Research Faculty of Agriculture Fundamental AgriScience Research Animal Science Professor



**Prof Takafumi Gotoh (後藤貴文 教授)**

Field Science Center for Northern Biosphere Agro-Ecosystem Research Station Experiment Farm Professor



**Associate Prof Takayoshi Uchida (内田義崇 准教授)**

Research Faculty of Agriculture Research Innovation and Cooperation Cooperative Promotion Associate Professor

# Speakers

Mr. Tomotaka Ando (十勝清水コスモスファーム 代表取締役 安藤智孝)

Mr. Shikisima