

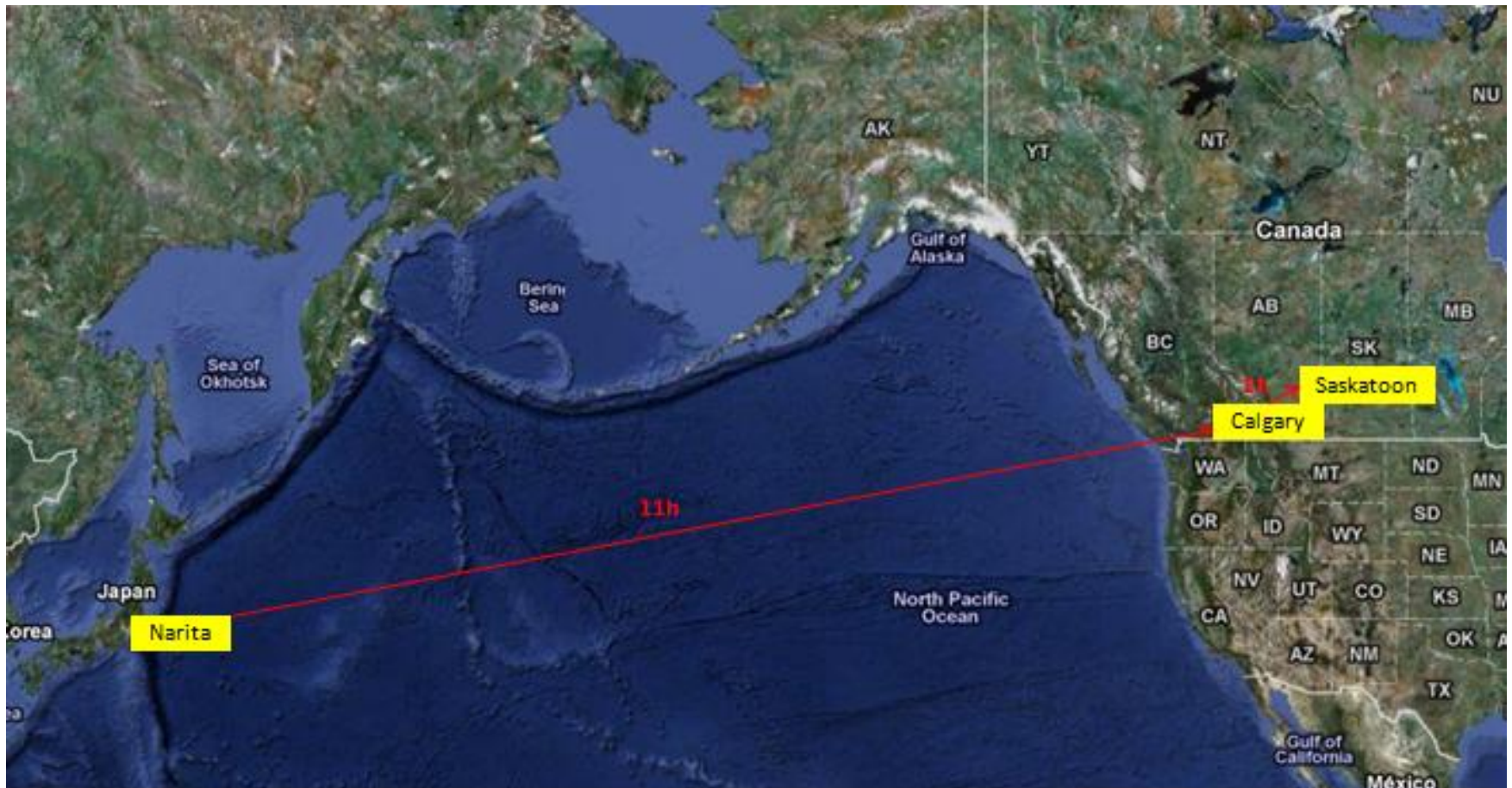
Experience of intership at University of Saskatchewan, Canada

Hongqiong Zhao
Animal Production
Science of Bioproduction

ゾウ ホンチヨン
動物生産学連合講座
生物生産科学専攻

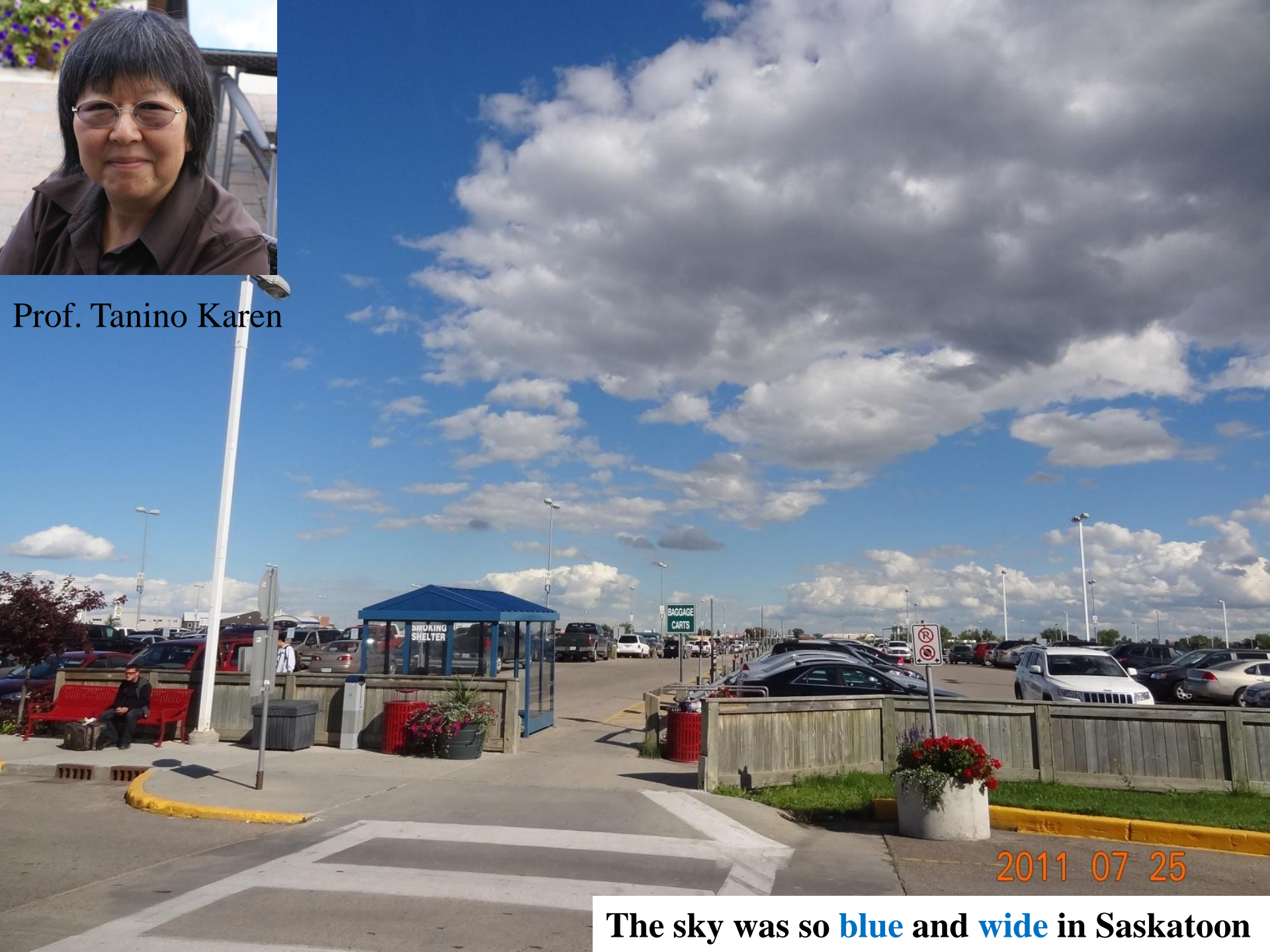


- ◆ End of May: Received notification of acceptance as an exchange student for University of Saskatchewan (U of S)
- ◆ June 28th : Obtained VISA for Canada
- ◆ July 24th: Departed from Japan to Canada



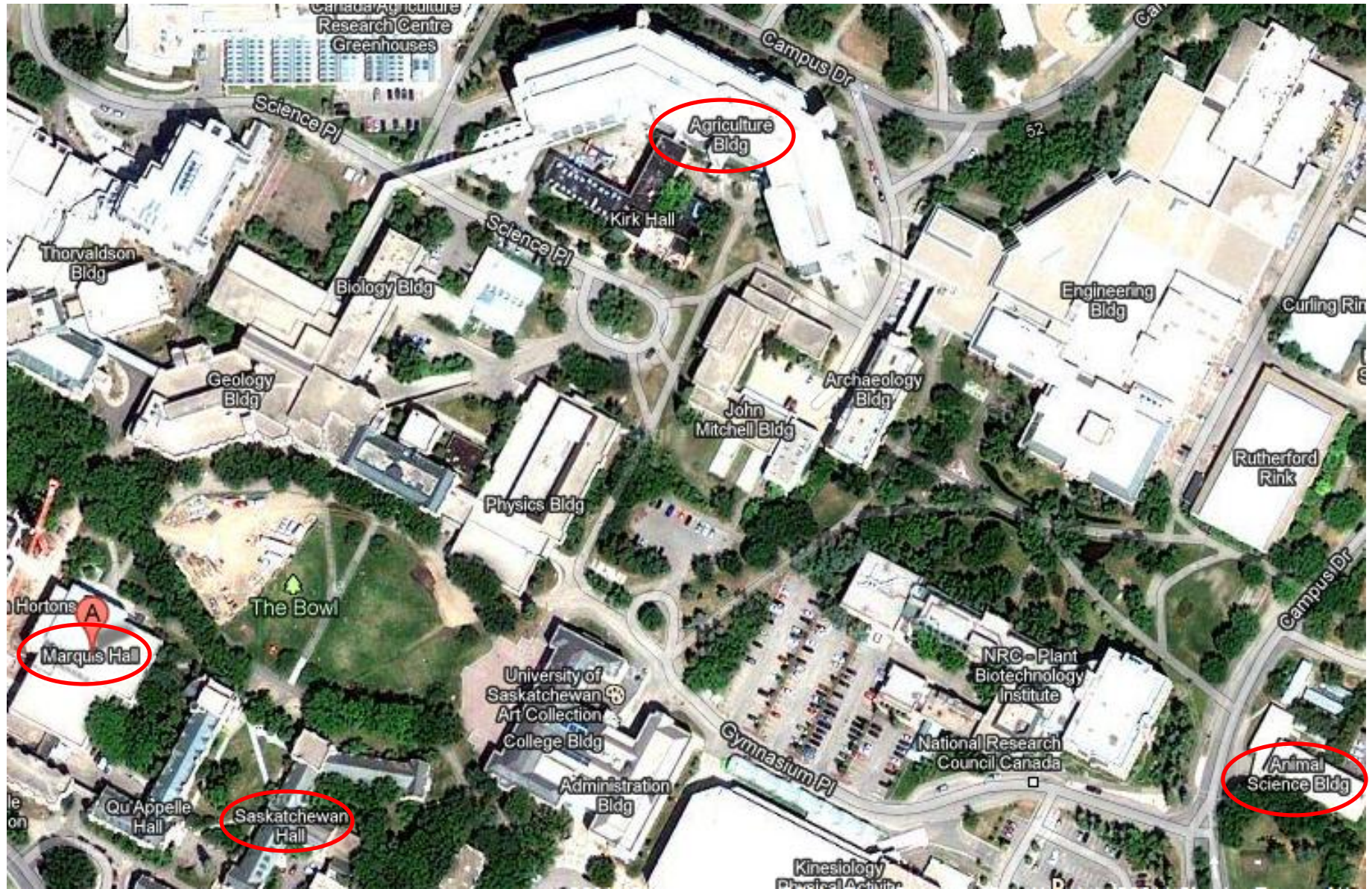


Prof. Tanino Karen



2011 07 25

The sky was so blue and wide in Saskatoon



- ◆ July 25th : Met my two supervisors and made a plan of my intership at U of S
Department of *Animal and Poultry Science*
College of Agriculture and Bioresources



Prof. **Van Kessel Andrew**

Nutritional physiology
Intestinal microbial ecology



Assistant Prof. **Penner Gregory**

Ruminant Nutrition
Nutritional management of beef

Theme : Effect of severity of short-term feed restriction on ruminal epithelial function

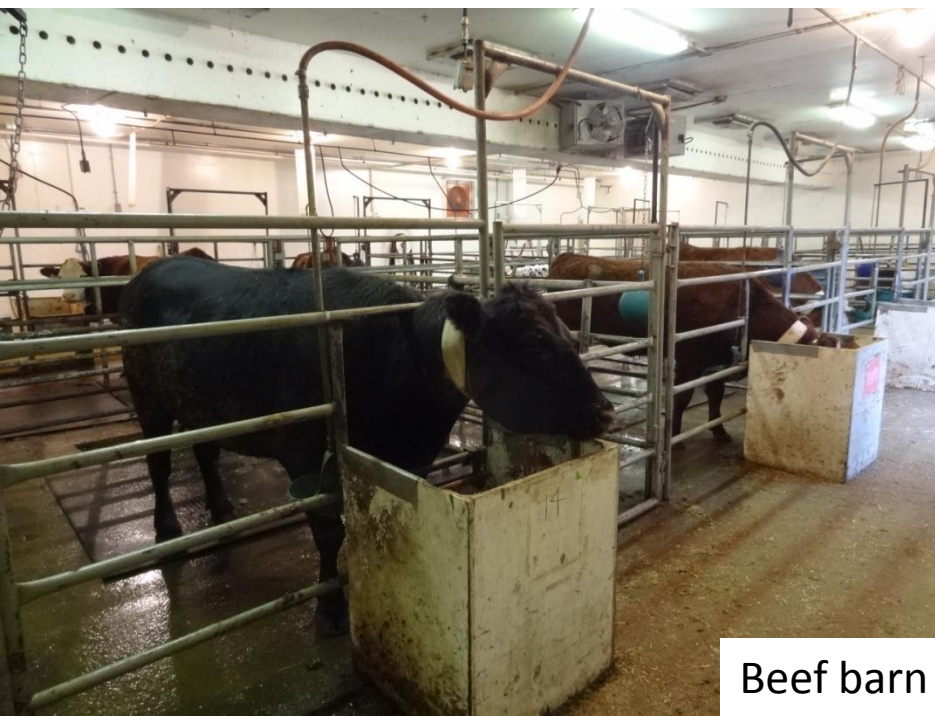




Calves barn



Dairy cow barn



Beef barn



2011

Silos

◆ July 26th : Rumen washing (ルーメン)



Heifer with a ruminal cannula(カニューレ)

Ruminal cannula



Taking out ruminal digesta



Measurement of ruminal pH



Washing of ruminal papillae



Ruminal papillae biopsy

◆ July 29th : One-day training at feedlot school



How to implant vaccines in the ear of cattle



How to control cattle



To feel the rumen contents



Having a lecture about feedlot

◆ July 30th : Enjoyed a barbecue party arranged by Karen and Nair at their yard



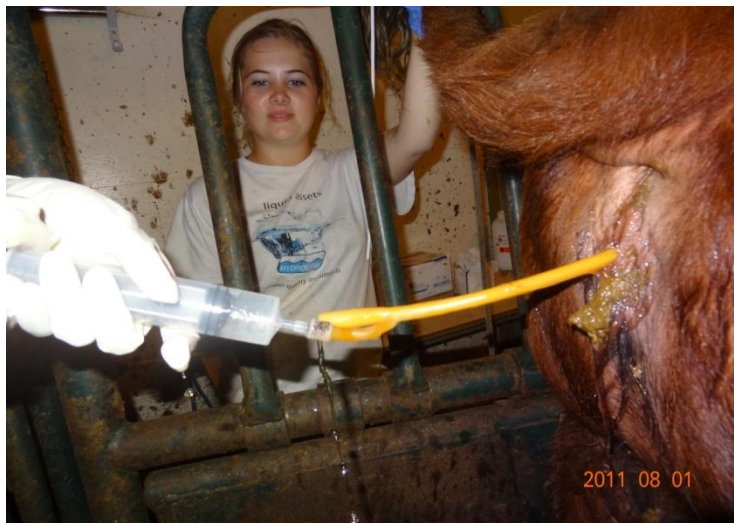
◆ Aug 1st Urine(尿) samples collection from Heifers for 24 hours



Restraint of animal



Insertion of an urine catheter



Checking the urine



24-hour collection of the urine

◆ Aug 1st : Visited Tom's farm



Blue chicken eggs



The purpose of the red facility on the pasture?



Selectively feeding young calves



- ◆ Aug 2nd : Demonstrated by an old veterinarian
(how to treat a skin injury in cattle ?)





◆ Aug 6th : Visited farm market and zoo of Saskatoon with Karen and Nair

◆ Aug 7th : Visited an old pasture with Dan and Luanne, the friends of Karen;
Had dinner at their home



◆ Aug 9th : Presentation about my study in Japan

Regulatory Effect of Endothelin, Gastrin and Gastrin-releasing peptide on the secretion of Ghrelin and GH in Cattle



◆ Aug 10th : Had dinner at Bruce's home

◆ Aug 12th : Trip to Prince Albert National Park of Canada









Impressions

- ◆ Communication is more important than professional knowledge
- ◆ If we want to learn something from other people, we have to work as hard as them
- ◆ Selectively learn the key techniques due to the time limitation
- ◆ Application of passport, if you need, as soon as possible

Acknowledgement



Prof. and dean Uemura Matsuo 上村 松生 先生

Prof. Hideto Kuwayama 桑山 秀人 先生

Miyano san 宮野 孝基

Otubo san 大坪とも子

Adam Cronin Sensei



Prof. Tanino Karen and Nair

Dr. Penner Gregory

Prof. Kessel Andrew

Prof. and dean Coulman Bruce E.

Graduate students:

Siping, Jun Liu, Ren Lei, Rodrigo

Dan and Luanne

Tom