

**Animal Science and Aquaculture Undergraduate Conference**  
**March 20, 2010 - 8:00 am – 6:10 pm**  
**Department of Plant and Animal Sciences**  
**Room 200 - Haley Institute**

<b>Session 1</b>			
<b>Physiology - Endocrinology - Immunology</b>			
	8:00	<b>Welcome</b>	
#	Time	Presenter	Project Title
1	8:10	Cyples, Jolene	Identifying the pre-partum differences in multiparous and primiparous Holstein cattle in free-stall and tie-stall housing.
2	8:20	Greaves, Amanda	Fatty acid nutrition and liver Inflammation in the mink fatty liver syndrome: interleukin-6 as an indicator of liver disease in the American mink ( <i>Neovison vison</i> )
3	8:30	Buchanan, Donald	Weight gain patterns in mice selected for reproductive longevity
4	8:40	Holliday, Bethany	Development and application of immunodetection techniques for immunoglobulin of mink ( <i>Neovison vison</i> )
5	8:50	Gow-Eisener, Laura	The validation of body mass index in live mink
6	9:00	Sandeson, Krista	Identification of lyst1 in American mink ( <i>Mustela vison</i> )
<b>Session2</b>			
<b>Genetics - Molecular Biology</b>			
7	9:10	Brooks, Nadine	Effects of omega-3 supplementation on gene expression of fatty acid binding proteins in bovine placenta
8	9:20	Whitman, Ashleigh	Blood, eggs or feathers: determining the best tissue and method of extraction to yield DNA for use in long-range PCR and sequencing
9	9:30	Robertson, Megan	Pathway candidate genes for feed efficiency in beef cattle

10	9:40	Jordan, Lacey	Jumping genes in the genome of the American mink ( <i>Neovision vision</i> )
11	9:50	Cooper, Brydon	Validation of a real time PCR assay monitoring telomere length in mink on dietary restriction
12	10:00	Zheng, Tongzhou	The effect of maternal genetic component on the rate of over-ripening of Arctic charr ( <i>Salvelinus alpinus</i> ) eggs
<b>10:10 Break 1</b>			
<b>Session 3 Health - Behaviour – Well Being</b>			
13	10:20	Lamont, Christine	Evaluation of dog training methods
14	10:30	Beaulieu, Melanie	The effects of moderate diet restriction on the behavior, temperament, body weight and body condition of female mink
15	10:40	Pomroy, Samantha	The occurrence and treatment of coccidiosis in shelter cats in comparison to cats belonging to the normal population
16	10:50	Muir, Daniel	The effects of Bovine Spongiform Encephalopathy (BSE) on the Canadian Cattle Industry
17	11:00	Moore, Alicia	A survey of equines marketed at Atlantic Stockyards Ltd.
18	11:10	Stuart, Robin	The impact of locomotive behaviours on bone health of laying hens in conventional battery cage systems and in furnished, large group colony cages
19	11:20	Kesebi, Emel	Assessing fear in conventional and colony furnished cages in three strains of laying hens
20	11:30	Juurlink, Kendra	An assessment of stress, aggression, comfort behaviours of laying hens housed in conventional versus furnished colony cages
21	11:40	Hughes, Courtney	The influence of post-ovulatory hormones on pre-lay behaviour in commercial strains
22	11:50	Colwell, Emily	Dust bathing behaviour as an assessment of welfare in three strains of laying hens housed in furnished colony cages

	12:00 pm	<b>Lunch</b>	
23	1:00	MacDonald, David	Evaluation of sphagnum peat compared to sawdust as a bedding for lactating dairy cows in a tie-stall facility
24	1:10	MacKenzie, Julie	Southern bell frogs and the myxozoan parasite
25	1:20	Myles, Courtney	Animal assisted therapy
<b>Session 4 Production – Management – Environment</b>			
26	1:30	Stevens, Arthur	Effects of storage time and temperature on pigmentation of egg yolks in late cycle laying hens fed crab meal at graded levels
27	1:40	Jin, Zhengrong	The effect of stocking density on the incidence of skeletal deformity of striped bass ( <i>Morone saxatilis</i> ).
28	1:50	Roberts, Claudia	The effects of mixing fresh and frozen goat's milk on bacterial count
29	2:00	Cox, Robyn	Tidal effects on salt marsh plant zonation in the Atlantic provinces
30	2:10	Devoe, Danielle	The effects of storage time and temperature on pigmentation of egg yolks from hens fed a grain based diet with 0, 5 or 10 % Lobster meal.
31	2:20	Ward, Bronwyn	The effect of long term storage on Hungarian yellow egg hatchability
32	2:30	Gilroy, Patricia	Comparison of a handheld micrometer and TA.XT plus Texture Analyzer to measure shell thickness of laying hen eggs
33	2:40	Gillis, Stephanie	Ultra-structure and thickness of egg shells from similar breeds of chickens from NSAC and JUCAVM, Ethiopia
34	2:50	Roach, Ashley	The Ecological Assessment of the freshwater mussel population of the Warren Brook river system in Cape Breton Highlands National Park
35	3:00	Lin, Mingqiang	The growth of <i>C. cohnii</i> on different dextrose sources
36	3:10	Zheng, Wenjie	Comparison of grow-out performance of triploid vs. diploid Arctic charr ( <i>Salvelinus alpinus</i> ) of the Fraser River (Labrador) stock
37	3:20	Wang, Youxiang	Effect of body size and age on egg production in Arctic charr ( <i>Salvelinus alpinus</i> L.)

	<b>3:30</b>	<b>Break 2</b>	
38	3:40	Taylor, Alexander	Triploid Arctic charr grow-out performance: Yukon Gold vs Fraser River
39	3:50	MacRae, Kyle	The effect of nutrient concentration and temperature on <i>Chondrous crispus</i>
40	4:00	Liu, Hao	Effects of temperature on osmoregulation ability of two stocks of Atlantic salmon
41	4:10	Bi, Jun	Effect of water hardness on striped bass ( <i>Morone saxatilis</i> ) egg quality
<b>Session 5 Feeds - Forages – Nutrition</b>			
42	4:20	Vihvelin, Liisa	A comparative study on quality of stockpiled Atlantic pasture grasses over the Fall and Winter
43	4:30	Van Den Heuvel, Carolyn	High sugar forages for ruminant production in Atlantic Canada
44	4:40	McAloney, Kaitlin	A comparative study of the feed energy and relative forage quality of adapted forage species and varieties in Atlantic Canada
45	4:50	Lewis, Trisha	Use of multi-carbohydrase enzymes in diets with full fat canola fed to striped bass ( <i>Morone saxatillis</i> ) reared at different temperatures
46	5:00	Yang, Ling	Evaluation of full-fat soybean, camelina, yellow-seeded canola seeds processed by Tekmash ® or cooking method as ingredients for Rainbow trout ( <i>Oncorhynchus mykiss</i> ) fingerlings diet
47	5:10	Turner, Shelley	Evaluation of Triticale grain fed raw or processed by popping or extruding as a replacement for wheat in the diets for juvenile rainbow trout
48	5:20	Savary, Rachel	Rate of Pigmentation of Eggs in Late Cycle Laying Hens Fed Lobster Meal at Graded Levels in Diets Based on Corn or Wheat as Primary Cereal Grains
49	5:30	Ding, Feng	Digestibility of gross energy and crude protein in full fat juncea seed and juncea meals by Rainbow trout ( <i>Oncorhynchus mykiss</i> )

50	5:40	Cyples, Jessica	Evaluation of carcass composition for ash, protein, fat, water and specific fatty acids of turkeys fed canola meal or full fat canola seed
51	5:50	Brown, Emily	The impacts of Oasis® and Lysozyme fed as a post-hatch supplement on growth performance and early mortality rates of turkey poults that were delayed access to fed and water
52	6:00	Allain, Dylan	The rate of pigmentation of egg yolks in laying hens fed different levels of crab meal in diets with either saturated or unsaturated fats as the supplemental energy source
	6:10	<b>Wrap up</b>	
<b>7:00 Awards ceremony at the Barn</b>			

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**Congratulations students!**