

Objective :

To foster the development of a new field of research based on the epigenetic programming of future health and phenotypes by gametes, embryos, fetuses and newborns in farm animals.

October 12, 2021

9h00 – 9h10	Welcome
9h10 – 10h00	Opening lecture Sarah Kimmins (Canada) <i>“Epigenetic inheritance how did we get here and where are we going ?”</i>
10h00 – 10h20	Break
10h20 – 12h00	Session I - Early programming by the gametes from both sexes 10h20: Helene Kiefer (France) <i>“The epigenome of male germ cells in ruminants”</i> 11h00: Marc André Sirard (Canada) <i>“Periconceptual environmental impact on gametes and the resulting embryo epigenetic legacy”</i> 11h40: Jessica Ispada <i>“Metabolomic signature on culture medium of embryos with higher or lower levels of DNA methylation”</i>
12h00 – 13h00	Lunch break
13h00 – 14h30	Online poster session I 14h00: Question period for posters of session I
14h30 – 16h10	Session II - Embryo programming (cloning culture) 14h30: Cindy Tian (USA) <i>“The quest continues: A hidden genomic code for DNA methylation?”</i> 15h10: Vilceu Bordignon (Canada) <i>“Chromatin role on embryo programming and reprogramming”</i> 15h50: Yahan Li <i>“Investigation of bovine chromosome architecture and its involvement in large offspring syndrome”</i>

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8h30 – 10h10	<p>Session III - Health of the offspring's</p> <p>8h30: Pascale Chavatte-Palmer (France) <i>"Importance of DOHAD in the equine industry"</i></p> <p>9h10: Veronique Ouellet (Canada) <i>"Heat stress in dairy cows: why worry about future generations?"</i></p> <p>9h50: Maria Rabaglino <i>"Stimulated muscle development in healthy in vitro produced calves determined through a multi-omic approach"</i></p>
10h10 – 10h30	Break
10h30 – 12h00	<p>Online poster session II</p> <p>11h30: Question period for posters of session II</p>
12h00 – 14h00	Lunch break
14h00 – 16h00	<p>Session IV - Post natal programming</p> <p>14h00: Stephany McKay (USA) <i>"Examining the extent of environmental contributions towards DNA methylation and phenotypic variation"</i></p> <p>14h40: Eveline Ibeagha-Awemu (Canada) <i>"Epigenetic modulators of bovine mammary gland health and production: Enhancers or abaters"</i></p> <p>15h20: Romina Via y Rada <i>"Epigenetic programming of the rabbit preimplantation embryo in a diabetic context"</i></p> <p>15h40: Rhizlane El Omri-Charai <i>"Impact of a high-fat maternal diet during gestation on fetal germ cells DNA methylation"</i></p>
16h00 – 16h10	Closure

Noter que le programme est à l'heure de l'Est. (UTC-5)
Note that the meeting schedule is on Eastern time (UTC-5)