



The Efficient Dairy Genome Project (EDGP),
in collaboration with the ***Universities of Guelph and***
Alberta, Genome Canada, Genome Alberta and Ontario
Genomics are pleased to invite you to attend a:

Breeding for Efficiency
2018 EDGP Symposium

December 10, 2018

Delta Hotel & Conference Centre, 50 Stone Road West, Guelph, Ontario
T: 1-519-780-3700 www.marriott.com

The program will be presented in English only. Attendance is free with RSVP.
Please **RSVP** to Michela Arbutnott by e-mail at Michela@cdn.ca or by telephone at
519-767-9660, ext. 103 no later than **Friday, November 30, 2018.**

Les responsables du
Projet sur l'efficience du génome laitier (EDGP),
en collaboration avec les ***universités de Guelph et***
Alberta, Genome Canada, Genome Alberta and Ontario
Genomics ont le plaisir de vous inviter à assister au:

Sélection en fonction de l'efficience
Symposium EDGP 2018

10, décembre 2018

l'Hôtel Delta & Centre de conférence, 50 Stone Road Ouest, Guelph, Ontario
T:1-519-780-3700 www.marriott.com

Veillez noter que le programme sera présenter en anglais. La présence est gratuit avec RSVP.
Veillez **confirmer** votre présence par courriel à l'adresse: Michela@cdn.ca ou par
téléphone au 519-767-9660, poste 103 au plus tard **le vendredi 30, novembre 2018.**

Breeding for Efficiency – 2018 EDGP Symposium

Monday December 10th 2018 - Delta Guelph Hotel, Guelph, ON

8:15am – 5:00pm Royal City Ballroom

Monday, 10th December AM

	8:15am – 8:30am	Welcome and Introductions
Invited	8:30am – 9:00am	The German reference sample and genomic evaluation for resistance against Digital Dermatitis - the story continues - Hermann Swalve , Martin-Luther University, DEU
Genomic and its Ethical, Economic, Environmental, Legal and Social Aspects	9:00am – 9:15am	Steps to Promote Adoption: Lessons from Analyses on Producers' Willingness to Pay for Genomics and their Return on Investment - David Worden , University of Guelph, CAN
	9:15am – 9:40am	Market and Environmental Impacts of Higher Feed Efficiency in the Dairy Herd in Canada- Ellen Goddard , University of Alberta, CAN
Invited	9:40am – 10:10am	Natural antibodies in colostrum: genetic variation in antibody content of the colostrum and uptake efficiency by the calves - Dirk-Jan De Koning , Swedish University, SWE
	10:10am – 10:40am	Coffee break
Invited	10:40 am – 11:10 pm	Multi-species Forages as Alternatives to Perennial Ryegrass: Beyond White Clover - Chris Reynolds , University of Reading, GBR
Data Consolidation & Partners' Updates	11:10am – 11:20am	My experience as a phenotype farm for EDGP - JP Brouwer , Sunalta Farms, CAN
	11:20am – 11:40am	Australia contribution and adoption of EDGP data and its value & Feed Saved - Jennie Pryce , Victoria Agriculture & La Trobe University, AUS
	11:40am – 12:00pm	Initial analysis in Denmark on EDGP database and using 3D cameras to measure feed intake - Jan Lassen , Viking Genetics, DNK
Invited	12:00m – 12:30pm	Gene Editing in Cattle: Recent developments and prospects - Alison Van Eenennaam , University of California Davis, USA
	12:30 pm – 1:30 pm	Lunch

Monday, 10th December PM

Invited	1:30 pm - 1:50 pm	DMI vs RFI in genetic evaluation of dairy cattle - Rob Tempelman , Michigan State University, USA
Invited	1:50 pm - 2:10 pm	ICAR Feed & Gas, gDMI and ideas for genetic evaluation services for DMI - Roel Veerkamp , Wageningen University Research, NLD
Sequence, Database & Transcriptomics	2:10 pm - 2:20 pm	Selection of animals for sequencing - Adrien Butty , University of Guelph, CAN
	2:20 pm - 2:30 pm	Feed intake, methane emission and milk spectra data collection at the University of Alberta - Dagnachew Hailemariam , University of Alberta, CAN
	2:30 pm - 2:40 pm	Data collection at UofG herd and alternative traits to RFI - Dave Seymour , University of Guelph, CAN
	2:40 pm - 2:50 pm	EDGP database and preliminary EBV - Tatiane Chud , University of Guelph, CAN
	2:50 pm - 3:00 pm	Identification of functional candidate variants for feed efficiency using RNA-Sequencing - Stephanie Lam , University of Guelph, CAN
3:00 pm – 3:30 pm		Coffee break
Partners' Updates	3:30 pm – 3:50 pm	Climate challenges and dairy breeding - Eileen Wall , Scotland's Rural College, UK
	3:50 pm – 4:10 pm	EDGP - update on Swiss activities - Silvia Wegman , Qualitas, CHE
	4:10 pm – 4:30 pm	Defining the optimal period length and stage of growth or lactation to estimate residual feed intake in dairy cows - Erin Connor , Animal Genomics and Improvement Laboratory USDA, US
	4:30 pm – 4:40 pm	Using milk MIR spectra records as predictors to augment Feed Saved and methane evaluations - Caeli Richardson , La Trobe University, AUS
Invited	4:40 pm – 5:00 pm	Implementation of evaluation for novel traits in Italian Holstein - Raffaella Finocchiaro , Italian Holstein Association, ITA
	5:00 pm – 5:30 pm	Discussion and final remarks