

Approved Projects – Genome Canada Competition in Applied Genomics Research in Bioproducts or Crops

Genome Centre	Project Leaders/Institution	Project Title	Total Budget	Genome Canada contribution
Genome Alberta	Peter Facchini/ University of Calgary Vincent Martin/Concordia University	Synthetic Biosystems for the Production of High Value Plant Metabolites	\$13,602,100	\$6,443,100
Genome Alberta	Gerrit Voordouw/ University of Calgary	Metagenomics for Greener Production and Extraction of Hydrocarbon Energy: Creating Opportunities for Enhanced Recovery with Reduced Environmental Impact	\$11,584,423	\$5,358,605
Genome British Columbia	Loren Rieseberg/University of British Columbia (UBC)	Genomics of Sunflower	\$10,481,589	\$4,964,963
Genome British Columbia	Steven T. Lund/UBC Hennie J.J. van Vuuren/UBC	Grape and Wine Genomics	\$3,440,481	\$1,629,701
Genome British Columbia	Jorg Bohlmann/UBC Jancie Cooke/ University of Alberta	Genomics-Enhanced Forecasting Tools to Secure Canada's Near-Term Lignocellulosic Feedstock Supply for Bioenergy using the Mountain Pine Beetle-Pinus spp. System	\$7,795,145	\$3,691,649
Genome Prairie	Peter Phillips/U. of Saskatchewan David Castle/ U. of Ottawa	Value Generation through Genomics (GE ³ LS project)	\$5,413,101	\$2,553,656
Genome Prairie	David Levin/University of Manitoba Richard Sparling/U. of Manitoba	Microbial Genomics for Biofuels and Co-products from Biorefining Processes	\$10,470,715	\$4,877,141
Genome Prairie	Gordon Rowland/U. Saskatchewan Sylvie Cloutier/Agriculture & Agri-Food Canada	Total Utilization Flax Genomics	\$11,976,146	\$5,645,463
Genome Quebec	Adrian Tsang/Concordia University	Genozymes for Bioproducts and Bioprocesses Development	\$17,422,953	\$8,139,013
Genome Quebec	Thomas Bureau/McGill University	Bridging Comparative, Population and Functional Genomics to Identify and Experimentally Validate Novel Regulatory Regions and Genes for Crop Improvement	\$4,594,596	\$2,182,189
Ontario Genomics Institute (OGI)	Elizabeth Edwards/U. of Toronto David Major/Geosyntec Consultants (Guelph)	BEEM: Bioproducts and Enzymes from Environmental Metagenomes	\$10,942,642	\$5,045,990
OGI	Miodrag Grbic/U of Western Ontario	Genomics in Agricultural Pest Management	\$6,390,093	\$2,789,939