

For assistance communicating with Vineland researchers, please contact:

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Horticultural Science and Innovation

Name	Title	Expertise
Jim Brandle, PhD	CEO	Canada as innovation partner; Opportunities and challenges in horticulture; Government relations; Leadership; Stakeholder management; Start-ups; Trends in horticulture
Tania Humphrey, PhD	Director, Strategic Planning & Research Management	Organizational development; Research strategy and priority-setting; Strategic planning
Gary Moffatt, MBA, P. Eng	COO	Greenhouse construction project management; Implementation of Enterprise Resource Planning systems; Lean management principles

Robotics and Automation in the Horticulture Sector

Name	Title	Expertise
Gideon Avigad, PhD	Research Director, Robotics & Automation	Automation for packaging potted plants and vegetables; Data mining and optimization of production systems
David Gholami, PhD	Research Scientist, Expert Systems Specialist	Efficient production systems; Imaging and sensory systems for plants' stress detection and enhanced production
Mohamed Kashkoush, PhD	Research Scientist, Data Mining & Optimization	Data mining and optimization of production systems; Efficient production systems; Gripper technology; Robotic mushroom harvesting
Mostafa Khosravy, PhD, P.Eng.	Research Scientist, Energy Systems	Greenhouse envelope materials; Energy system development; Thermal storage; Heat recovery; Greenhouse technology; Air quality; Energy producing greenhouse

Consumer Insights in the Horticulture Sector

Name	Title	Expertise
Amy Bowen, PhD	Research Director, Consumer Insights	Consumer insights; Consumer science; Sensory evaluation; Sensory panels (trained and untrained); Using consumer data to build marketing programs; Promotion of new fruit tree cultivars; Building the Canadian cider industry; Certified sommelier
Alexandra Grygorczyk, PhD (ON LEAVE)	Research Scientist, Consumer Insights	Consumer insights and sensory evaluation for ornamentals, edible garden plants, flowers for Asian-Canadians, landscape roses; Food science; Science communication

Horticultural Production Systems

Name	Title	Expertise
Michael Brownbridge, PhD	Research Director, Horticultural Production Systems	Biocontrol tools; Biopesticides; Biostimulants; Integrated Pest Management (IPM); Microbial control
Rose Buitenhuis, PhD	Research Scientist, Biological Control	Biological control; Entomology; Greenhouse pests; Integrated Pest Management (IPM)
Darby McGrath, PhD	Research Scientist, Nursery & Landscape	Ecological restoration to increase urban tree survival; Fertilization practices; Greening the Canadian Landscape; Highway of Heroes tree plantings; Nursery production; Soil remediation
Lijuan Xing, PhD	Research Scientist, Plant Pathology	Plant pathology; Bioassay for both airborne and soilborne plant pathogens; Ecology and biology of plant pathogens; Biological control; Seed treatment; Plant health evaluation

Applied Genomics

Name	Title	Expertise
Travis Banks, MSc	Research Scientist, Bioinformatics	Bioinformatics; DNA sequence analysis; Genetic mapping; Trait development in horticulture products
David Liscombe, PhD	Research Scientist, Biochemistry	Analytical chemistry; Biochemical profiles for horticulture products; Metabolites; Plant biochemistry
Michael Pautler, PhD	Research Scientist, Applied Genomics	Applied genomics; Disease resistance; DNA sequencing; Increased production efficiencies; Induced variation; Reverse genetics; Trait development
Valerio Primomo, PhD	Research Scientist, Vegetable Breeding	Breeding locally-adapted greenhouse tomatoes; Breeding sweet potato for early maturity; Genetic mapping; Marker-assisted selection; Plant genetics
Daryl Somers, PhD	Research Director, Applied Genomics	Apple breeding; Applied genomics; Disease resistance; DNA sequencing; Improved flavour; Increased production efficiencies; Induced variation; Reverse genetics; Trait development