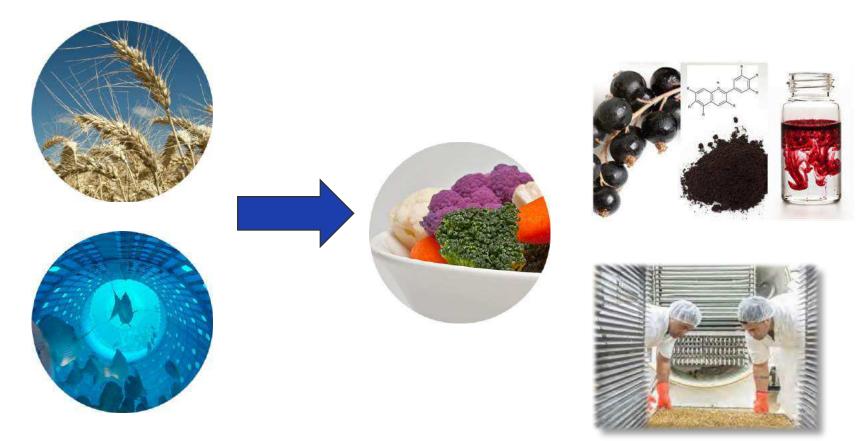


The New Zealand Institute for Plant & Food Research Limited

Validated natural products with PFR: Composition, development, quality, safety and efficacy

Sue Marshall (Seafood Technologies, Nelson) 18 March 2016

Science & technology across the value chain



Raw materials

Breeding, growth & harvest

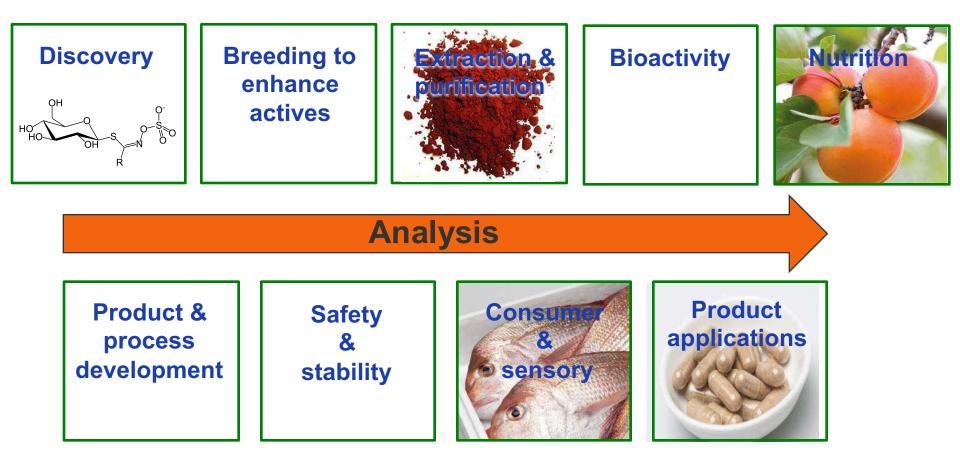
Functional foods, extracts, bioactives, biomaterials, formulated products







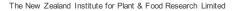
Natural products research: Terrestrial plants and marine organisms





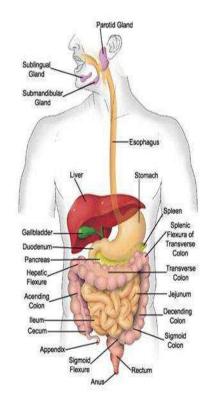
A few examples of what we do





The science of eating and digestion











Scientific data to support health claims



Food Composition Database: nutrient composition



Food-Health Relationships Database: validated information on effects of food and components on human health "Zespri[®] Green Kiwifruit can contribute to normal bowel function"





Analysis & discovery



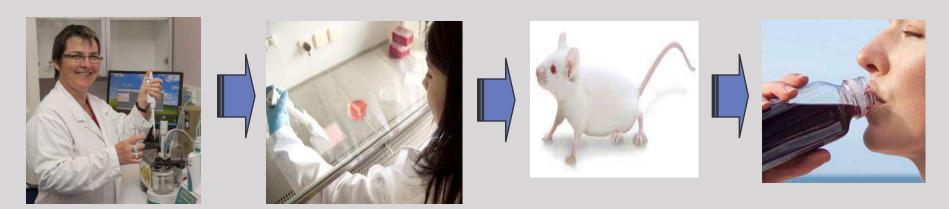
Huge range of analyses for components, contaminants and breakdown products



Matching bioactivity with molecular composition

Extract composition (chemical analysis) Screening in cell-based assays (activity & mechanism)

Animal feeding trials Human feeding trials (physical & mental health, cognition, inflammation, immunity...)





Out of the lab: Process development & concept products



PFR Marine products pre-pilot plant, Nelson











We have a wealth of expertise, experience, and facilities to support your products & the growth of your business







Thank you

www.plantandfood.co.nz

Mark.Jarvis@plantandfood.co.nz 03 989 7640





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