



InsectGenetics

Vital for development of insect farming

Luke has decades of experience of research based solutions for the animal and plant breeding industry to sustainably increase their profitability. This knowhow can be applied to:

Maintain vitality of stocks

- Identification of genetic back ground of production strains
- Management, utilization and conservation of genetic diversity
- Prevention of inbreeding

Improve production and quality

- Genetics of traits connected to health, productivity and product quality
- Nutrigenomics - interactions between nutrition, genome and gut microbiome
- Selection strategies for breeding programs and estimation models for breeding value prediction
- Practical operation of selection programs for various species





Luke provides expert services and solutions in the area of circular economy and bio economy. Our core competence is valorization of biomass waste and side-streams for high value products. Optimization of nutrient cycles as a part of the entire valorization chain plays an essential role as well.

Our services encompass environmentally sound refining, fractionation and extraction technologies for valorization of biomass as well as protein recovery and processing into high value products. Assessment of biomass potential availability and assessment of sustainability are also examples of our high-quality services.



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