Accelerating Global Health through Bioscience

Unlocking Innate Immunity – a Novel Approach to Shrimp Vaccination



CONFIDENTIAL TCRS Shrimp Summit – Bali June 2025



Disease Control is Critical for Global Food Security Odo

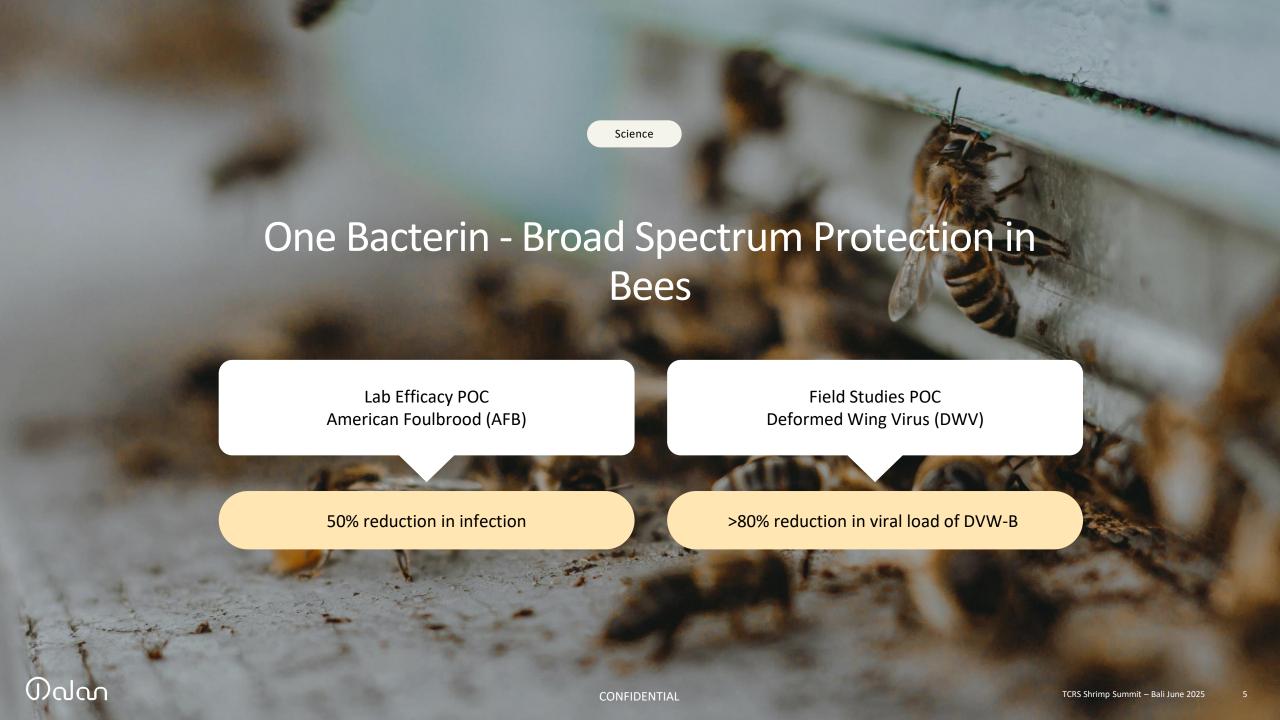




The world's 1st vaccine for honey bees

- Efficacy
- Safety
- Purity
- Consistency





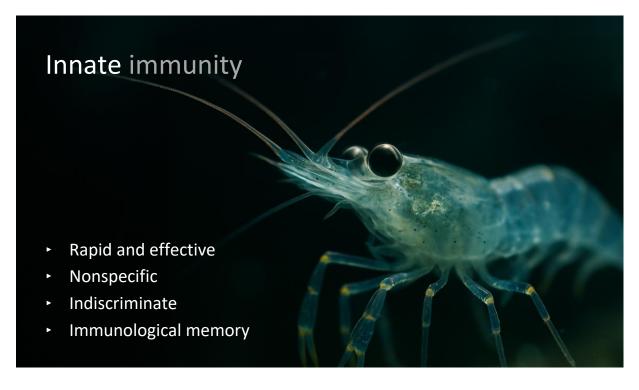
Science Deep Dive

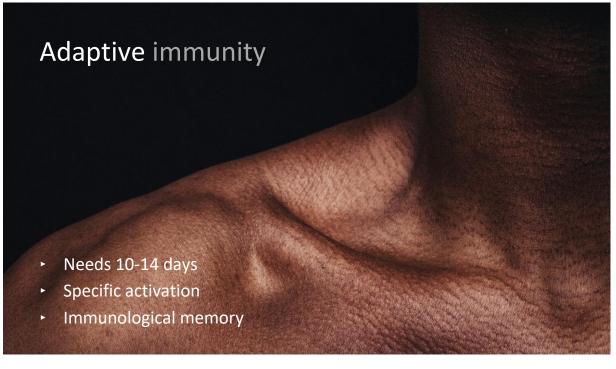
The Power of Innate Immunity

Innate immunity provides a first-line-of-defense against infectious diseases caused by bacteria, viruses, and fungi in all species.



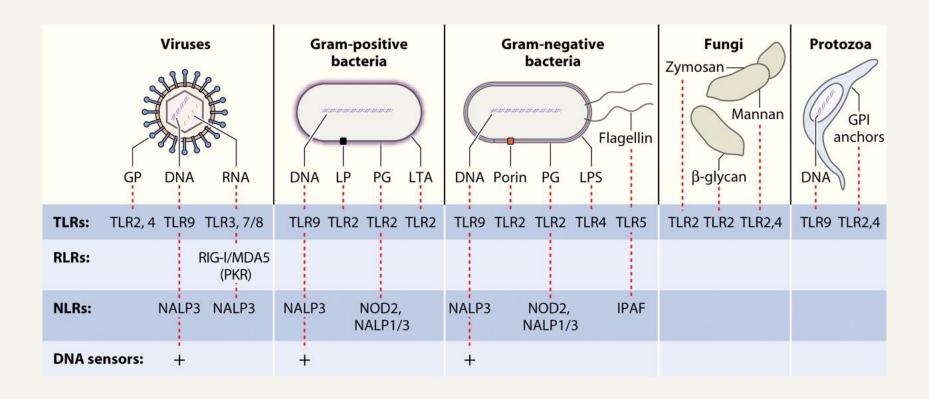
Innate vs. Adaptive Immunity





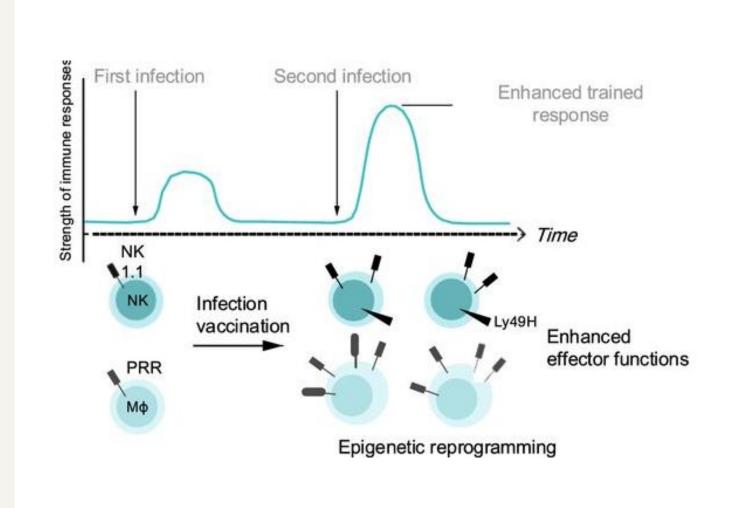


Activating Innate Immunity





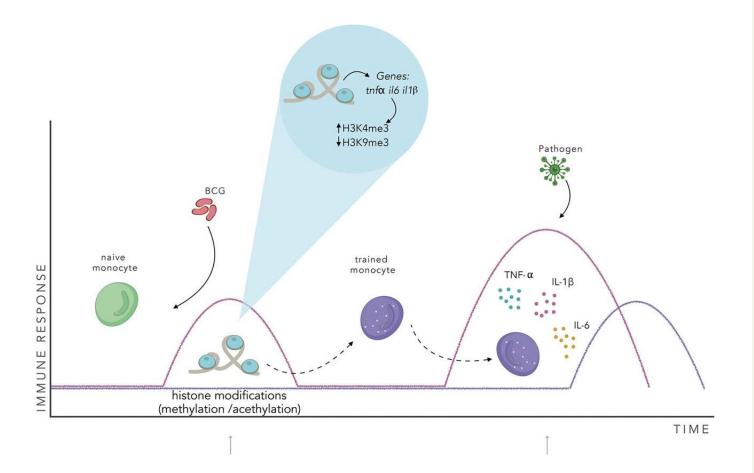
Innate Immune System Memory



WANG ET AL.2022



Activation Creates Broad Spectrum Long-Term Protection



COVIÁN ET AL. 2019



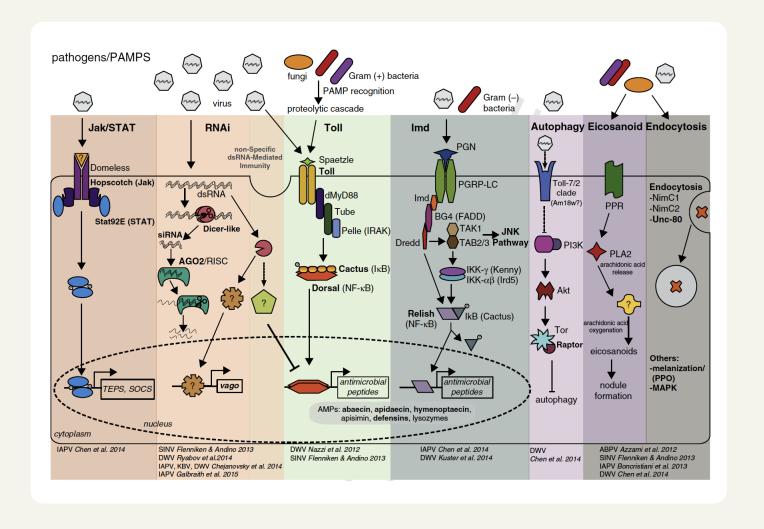
Common Immune Pathways













TGIP – Transgenerational Immune Priming Key feature of the invertebrate innate immune system



Platform

Our platform: vaccines to activate innate immunity

Broad spectrum

We have demonstrated our technology can work against bacteria, viruses, and fungi.

Transgenerational Immune Priming (TGIP)

One-to-many protection by vaccinating the parent animal

Safe

Non-chemical, non-GMO, regulator-approved





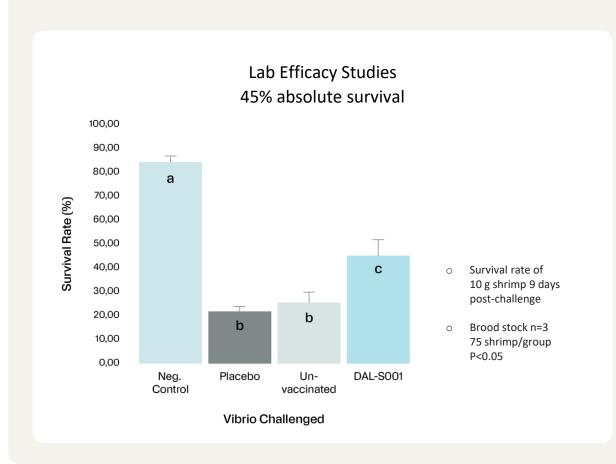


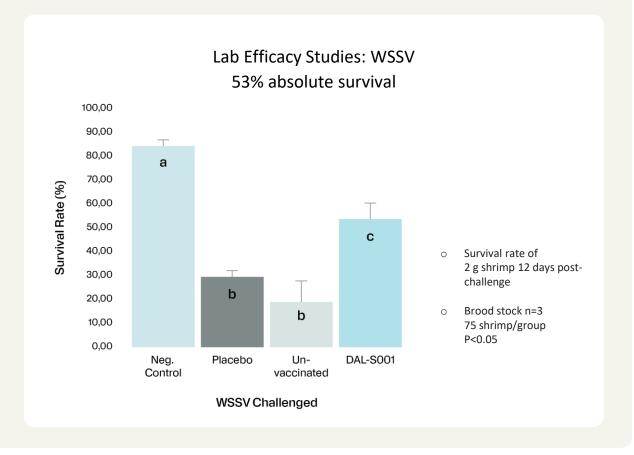
Shrimp Need Effective Vaccines

- Nutrient-rich, low-fat protein
- Key gap in disease management
- Durable, broad-spectrum protection



POC - Broad Spectrum Protection in Shrimp

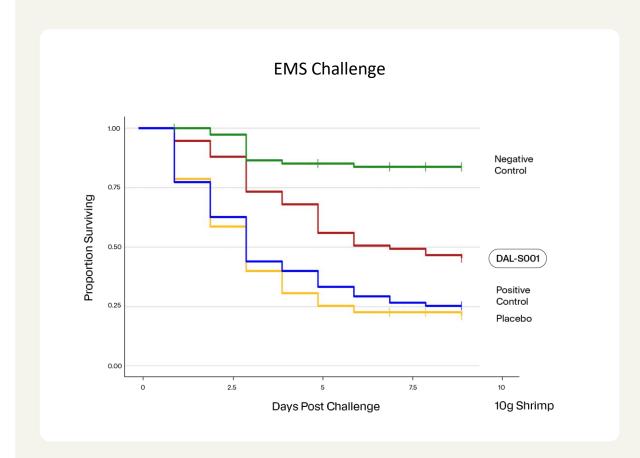


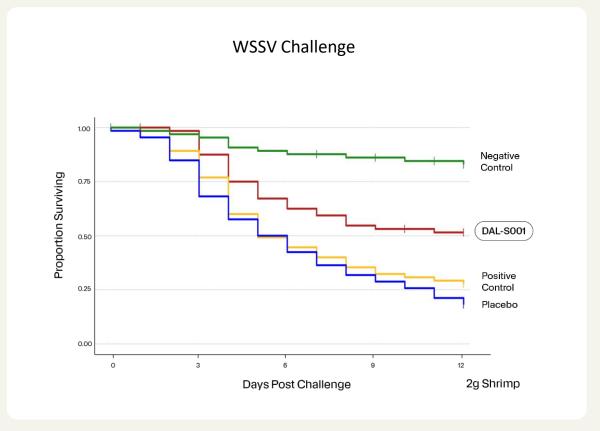




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POC – Vaccination slows the spread of disease







Product Development Plan



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Building For Scale



Annette Kleiser
Dalan CEO and
Co-Founder



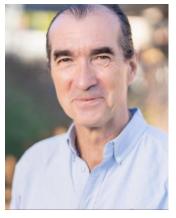
Brad Pruente



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Warren Rickard Head of Strategy



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Animal Health Entrepreneur and

Veterinarian



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Thank you.

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