

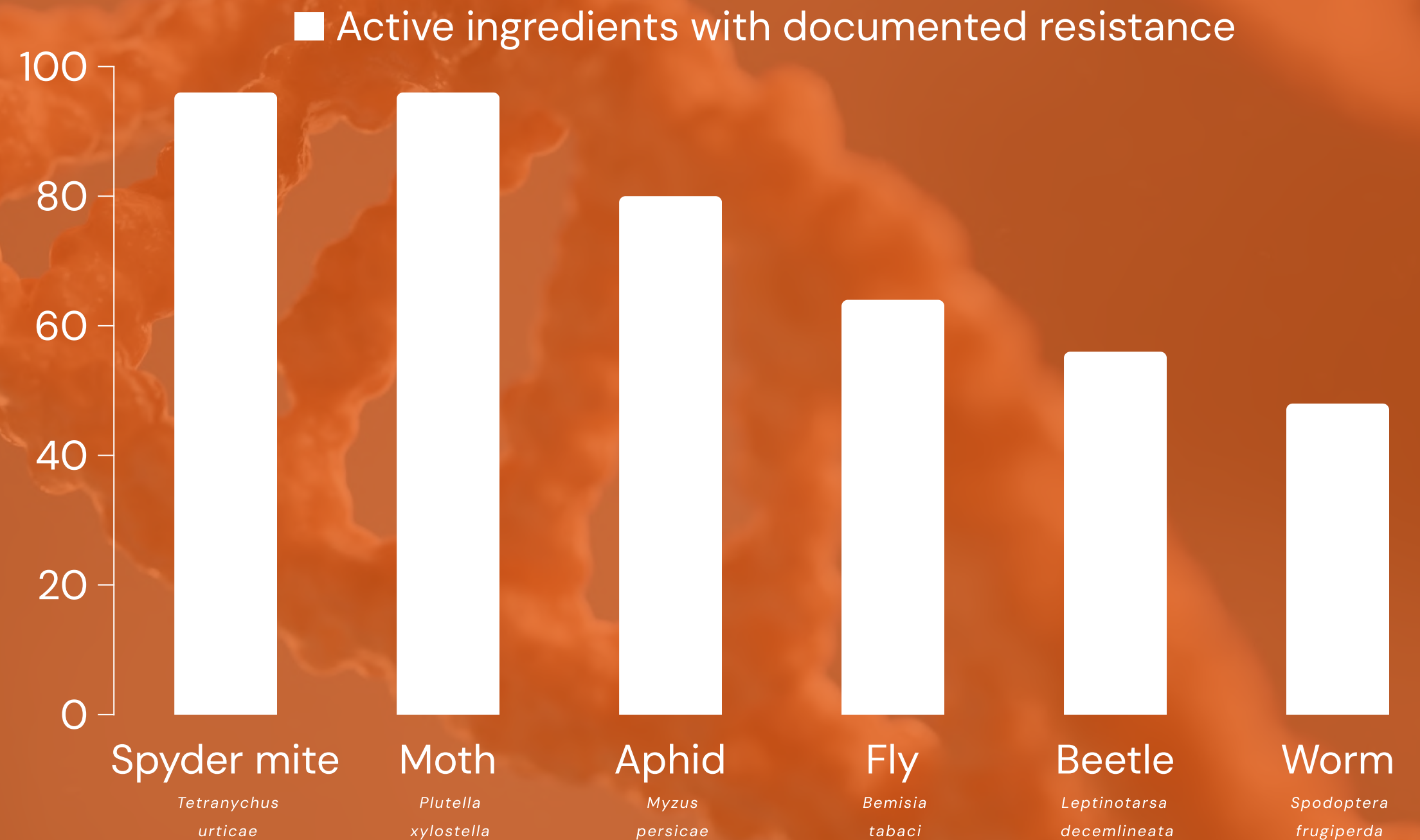
A close-up photograph of an insect's leg, specifically the tibia and tarsus, which is dark brown and covered in fine hairs. A prominent, curved, translucent stinger (telson) is visible at the end of the leg. The background is a solid, warm orange color.

# Arakion

INSECTICIDES INSPIRED BY ARACHNID VENOM

## GENETIC RESISTANCE IN PEST

- Modern agriculture is not viable without crop protection products.
- As a direct result of the selective pressure imposed by intensive use, most relevant pest species show documented tolerance to many of the existing active ingredients.





UNIQUE VALUE PROPOSITION

**INSECTICIDES INSPIRED BY  
ARACHNID VENOM WITH  
NOVEL MODES OF ACTION  
LETHAL TO PESTS YET  
SPECIFIC, SAFE FOR  
HUMANS AND POLLINATORS**



UNIQUE VALUE PROPOSITION

**60K ARACHNID SPECIES  
ENCODE MILLIONS OF UNIQUE  
UNEXPLORED ARACHNID  
TOXINS**

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UNIQUE VALUE PROPOSITION

**LEVERAGING THIS DIVERSITY  
OUR PLATFORM AIMS TO  
UNLOCK NOVEL MODES OF  
ACTION**

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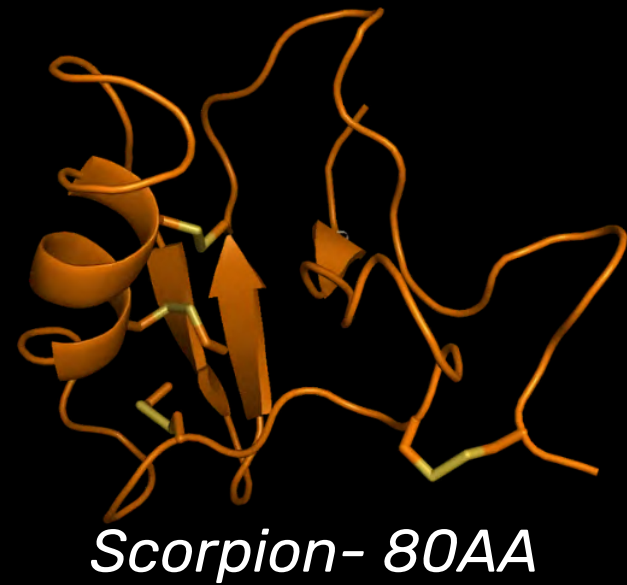
UNIQUE VALUE PROPOSITION

# TO OUTPACE RESISTANCE TIME AFTER TIME

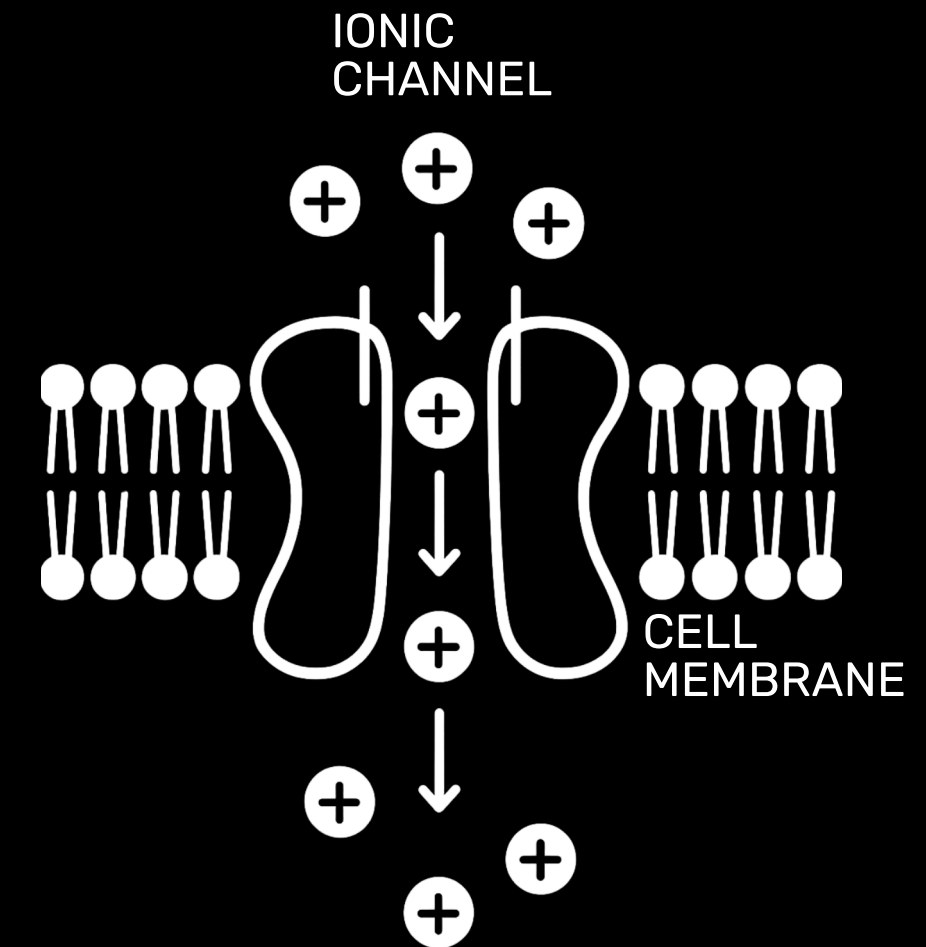
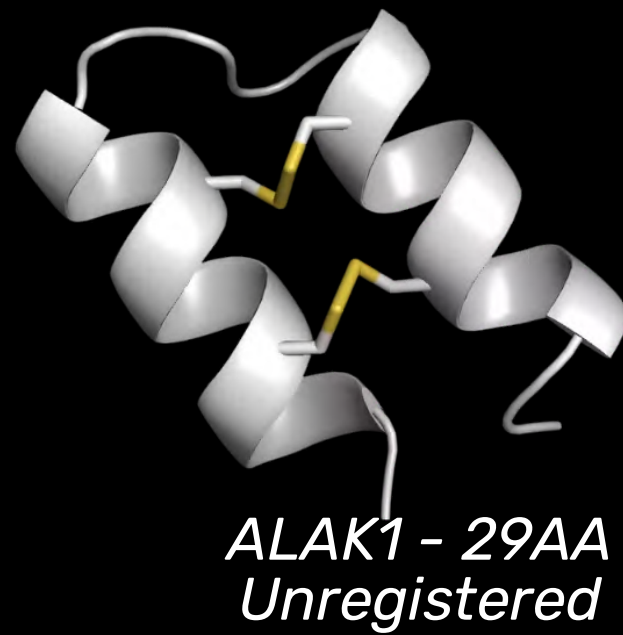




Arachnid peptides act on ionic channels, just like some conventional insecticides, but they do so at new binding sites or with different modulation mechanisms.



*Spider - 40AA*





TECHNOLOGICAL DISRUPTIONS — WHY NOW?

# ARTIFICIAL INTELLIGENCE

## PLATFORM

for the discovery, selection, and optimization of promising compounds.





TECHNOLOGICAL DISRUPTIONS — WHY NOW?

# RAPID CELL-FREE

## PROTOTYPING

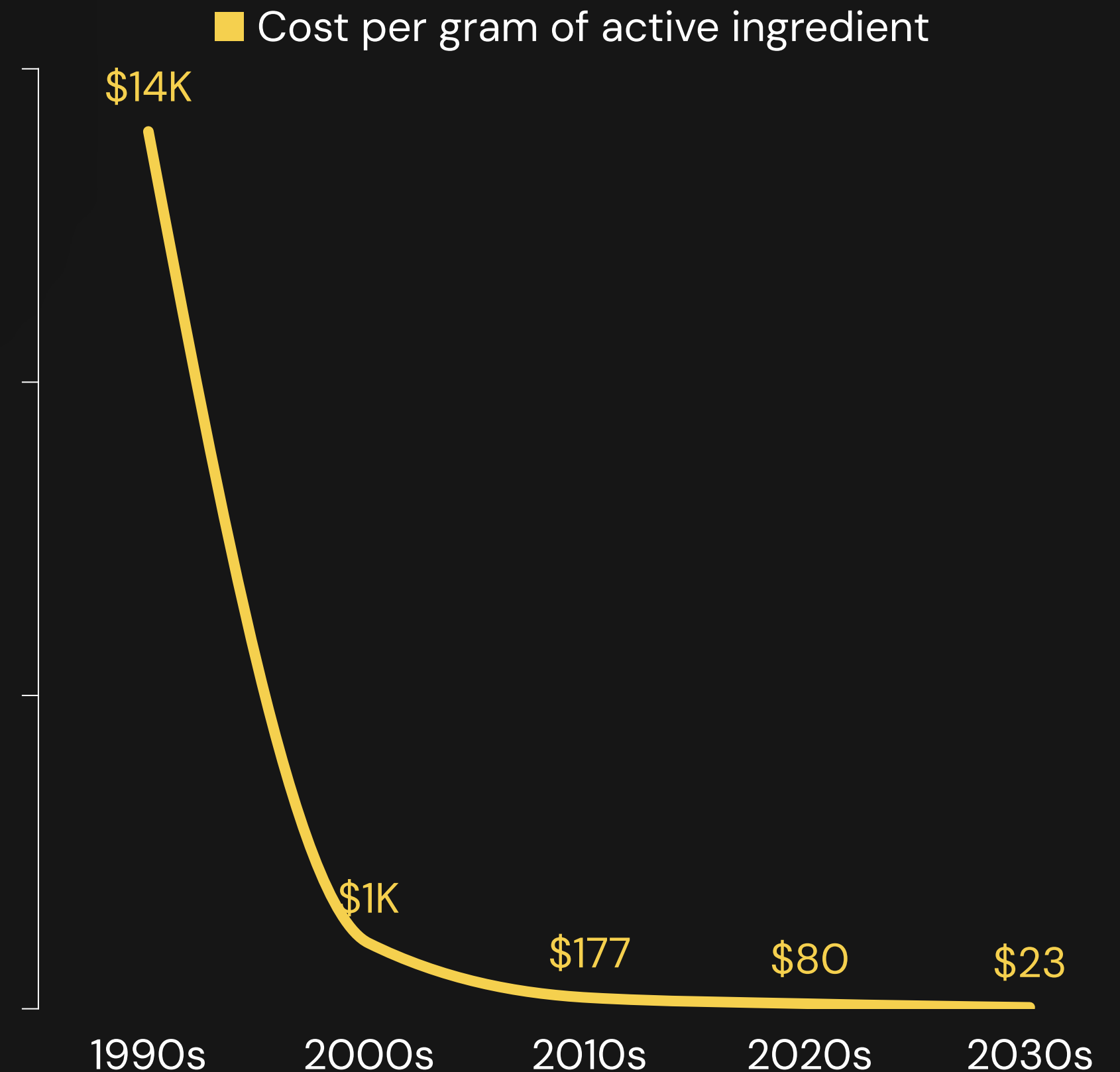
for experimental expression.





# RECOMBINANT FERMENTATION

to scale commercially, whose cost has been decreasing at a rate of an order of magnitude per decade since its invention.

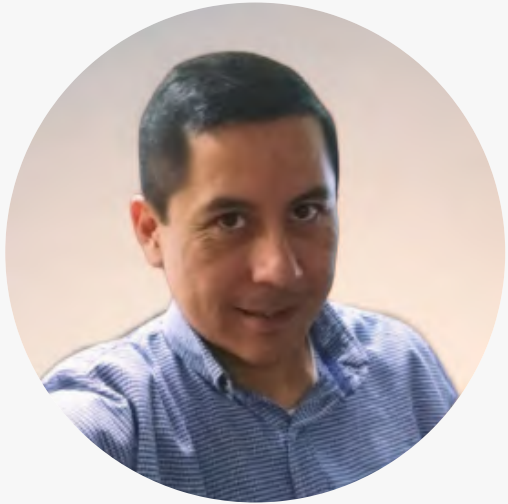




- **UNIQUE UNREGISTERED TOXINS:** provisional US patent to be filled in Q1 26.
- **BIOLOGICAL PRODUCT** according to EPA standards.
- **SOM: \$30B.** Insecticides.
- **TAM: \$80B.** Crop protection.
- **Biologicals CAGR: ~12%.**

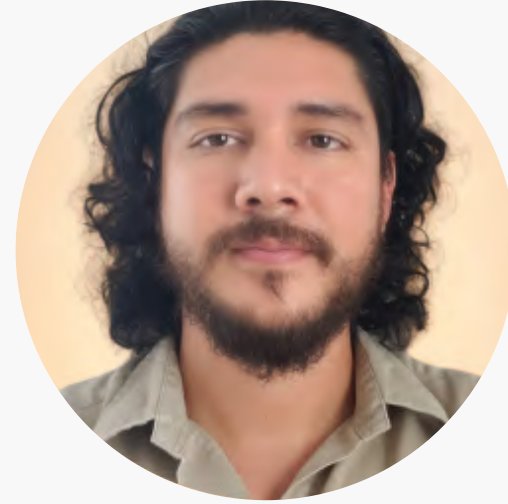


## TEAM



**MTI JUAN M. HURTADO**  
- CTO -

AI & bio informatics



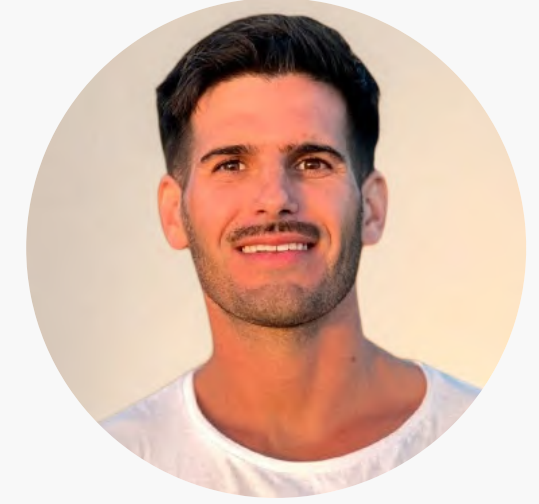
**MC OMAR PIÑA**  
- CEO -

Molecular design &  
product.  
Second time founder



**PHD GERARDO CORZO**  
- CSO -

World class expertise in  
toxins, expression &  
experimental validation



**MBA SANTIAGO MADDALONI**  
- CBO -

Business & investor  
relations



Instituto de  
Biotecnología



**Applied Biotech**  
Clean Solutions



 **ABInBev**







**CONTINUOUS ACCESS TO  
NOVEL MODES OF ACTION  
TO OUTRUN RESISTANCE  
WITH PRECISION & EFFICACY**

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A close-up photograph of a scorpion's pincers (pedipalps) against a solid orange background. The pincers are dark brown and segmented, with small spines visible along the edges. The text "Arakion" is overlaid in white, with a stylized logo to its left.

# Arakion