

Helixir generates biology.

Most AI for biology retrieves and summarises what is already known. Helixir generates novel hypotheses and de novo designs, then returns the evidence, disagreement, and limitations needed to audit the result.

THE COMPANY THESIS

The model and benchmark are open because scientific claims should be checkable. The scientific harness that drives models and tools together, and the evidence-typed graph they reason over, are the operating system DeepBio Scientific is building as a company.

WHAT IS BUILT

A technical foundation measured in public.

4

Specialist
Co-Scientists

193M+

Entities across
26 types

484M+

Relations across
80 predicates

2

Published models
and benchmarks

TEAM

Scientific depth and operating experience.

FOUNDING CEO

Dr. Ivan Garibay

Director of UCF's Complex Adaptive Systems Laboratory; research in complex systems and multi-agent systems.

FOUNDING COO

Dr. Edwin Nassiff

Former Lockheed Martin enterprise systems CTO and former CIO in the US Government.

FOUNDING CTO

Dr. Sanjay Padhi

Former Head of AWS Research, CTO of Tag.bio, and co-architect of Helixir.

COMMERCIALIZATION

Mark Pitman

More than twenty years building and scaling biotechnology companies.

WHY THIS COMPOUNDS

Helixir connects structured generation and adversarial review to a 193M+ entity graph with 484M+ evidence-typed relations. Designs can move to a wet-lab collaboration at the University of Central Florida for experimental follow-up. Every claim remains linked to its source and limitations.