



The Molecular Farming revolution in alternative proteins

Moolec Science is a global pioneer using Molecular Farming to introduce a hybrid concept between plant-based and cell-based technologies in the alternative proteins space.

Warwick, UK - November 2020. Moolec Science is a newly formed Ag-Foodtech company consolidating a unique pipeline of projects and capabilities in the Molecular Farming space, with more than one decade under development.

“Our mission is to improve the affordability of animal-free solutions in favour of true sustainability. We promote a technology that will have the cost structure of plant-based solutions with the organoleptic properties and functionality of cell-based platforms, an approach at least 10x more cost effective than leading alternatives” states Gastón Paladini, CEO & Co-Founder.

“Molecular Farming is a technology that has not yet been fully explored in the alternative proteins landscape. Moolec will promote an inclusive and equitable technological platform as we aim to bring farmers back into the equation” declares Henk Hoogenkamp, CPO & Co-Founder.

With a proof of concept for the cheese market, the team is known for being the first to produce bovine chymosin in safflower, a functional protein commercialized under the SPC® brand. A family of international patents currently covers this platform, with SPC® events fully de-regulated for cost-effective large-scale production.

“We use plants as bioreactors”, says CTO & Co-Founder Martín Salinas. *“Our experience and scientific background made us conclude that we could take advantage of nature’s biological systems to design a resource-efficient alternative protein production platform”.*

Currently, the company is consolidating different research lines to produce unique blends of highly functional proteins from bovine and porcine origins in protein-rich crops such as soybean and peas, creating a new generation of meat analogues. Moolec’s main and initial focus is on food technologies, although Molecular Farming solutions can also target industries such as health, biomaterials, and biocosmetics.

Moolec Science is company run by a diverse team with operations in the United States, Europe, and South America. It has the support and financial backing of various investors such as Bioceres Ventures and Union Group.

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