

Lactocore and Ingredia collaborate on innovative functional food ingredients

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Biotech startup Lactocore Group has initiated a research partnership with Ingredia SA, a French dairy company specialising in developing and manufacturing innovative food and bioactive ingredients.

The primary objective of this cooperation is to create a new functional food product for humans, pets, and farm animals. The product is aimed at improving mood disorders and is based on dairy proteins. Scientists from both companies will explore the potential of dietary supplements enriched with Lactocore's proprietary milk peptide hydrolysate.

'Peptides have vast and diverse physiological effects in humans and animals. At Lactocore, our primary research thrust is medications. Our pipeline of milk-derived peptide drug candidates demonstrates efficacy and safety against a range of metabolic and mental ailments. This long-term partnership with Ingredia, an industry leader in the European segment of functional ingredients, marks a significant expansion in our research domain. We're thrilled that besides our drug-centric approach, we can now venture into other collaborative product developments,' remarked Anton Malyshev, PhD in Physiology and the CEO and Co-founder of Lactocore Group.

The research collaboration will begin in January and will last several months. Cow milk will be hydrolyzed using Lactocore's technology enhanced with Ingredia's know-how. The challenge lies in pinpointing the specific peptide family with desired activity in the hydrolysate through mass spectrometry. This ensures that the hydrolysate's effects align with those of isolated peptides. Then animal tests will be conducted. Ultimately, Ingredia and Lactocore aim to develop a functional product, with proof of efficacy through clinical trials.