Press Release

Animal Microbiome Discovery Platform specialist Aviwell chooses TWB to develop its breakthrough technology

Toulouse (FRANCE), October 13, 2021 – TWB, an expert in R&D project management for industrial biotechnologies, announces that it has welcomed the start-up Aviwell to its new premises as well as into its consortium. Aviwell, already widely known for its disruptive scientific strategy as well as its biotechnology solution to produce "foie naturellement gras" (no force-feeding), will now expand its focus to other farm animals. The Company plans to leverage its proprietary artificial intelligence ("AI") driven microbiome Discovery Platform to dramatically improve animal growth and health in a natural, ethical and sustainable manner. Aviwell has chosen to join forces with TWB to achieve this ambitious goal and accelerate the development of its technology. With its cutting-edge equipment, unique ecosystem, and expertise, TWB makes the perfect partner.

Aviwell: nourishing the planet with sustainable natural microbiota-based solutions. At a fraction of the cost.

There are now nearly eight billion people on the planet for whom necessary food resources grow scarcer and more expensive daily. Millions of people around the world suffer from malnutrition and are underfed. Aviwell has developed a unique disruptive scientific approach and a multifaceted AI-driven Microbiome Discovery Platform that can discover and develop healthy, natural solutions that orient and improve animal growth such that the agri-food industry can more sustainably feed the planet. And using its novel processes, Aviwell can commercialize its solutions at a fraction of today's costs.

Aviwell uses proprietary data processing tools and algorithms to identify and naturally adapt intestinal microbiota to control the growth of farm animals in response to market requirements. For instance, Aviwell's Microbiome Discovery Platform can identify and reproduce natural bacterial communities that positively influence the development of energy metabolism and assimilation of feed to control growth and performance of farm animals. These natural bacterial communities, or consortia, are developed then provided to the animals to stimulate the desired phenotype.

As **Mouli Ramani, CEO of Aviwell**, explained: *"We have already successfully tested our patented processes on geese to produce "foie naturellement gras" without resorting to force-feeding. We now want to move things up a gear and apply the insights from our Microbiome Discovery Platform to other species such as chickens and pigs, which we eat on a far larger scale than foie gras. Ultimately, our goal is to revolutionize the food and agriculture sector in a natural, sustainable and eco-friendly manner – for the good of our planet."*

TWB: helping Aviwell achieve great things

With its cutting-edge infrastructure and expertise, TWB provides access to the key equipment, facilities and resources that Aviwell needs to succeed.

"As a scientist, I couldn't have hoped for a better microbiota isolation and identification platform than that provided by TWB," said **Rémy Burcelin, Principal Founder Aviwell**. *"TWB allows us to fully*

develop our disruptive scientific strategy, the production scale-up capacities and the support from the on-site teams and the vicinity of other talented and highly motivated biotechs are also invaluable. We couldn't be more excited to be part of the TWB team."

This infrastructure and expertise culminate in a bona fide skills alliance, explained **Laurie Rey, Business & Partnerships Director at TWB**: *"Aviwell's ambition is in step with our 2020-2025 road map, the aim of which is to support and encourage high-stakes markets. Here, we're looking at the food and agriculture sector—a market where industrial biotechnologies can deliver competitive, eco-friendly solutions. We started collaborating with Aviwell back in 2017, so we are even more delighted to welcome it to our consortium and host it on our site. We are pooling yet more of our strengths to fuel innovation and help this gem of a start-up accomplish its strategic shift."*

Finally, by joining the TWB consortium Aviwell can tap into the expertise and skills of the ecosystem's 53 members, which include industrial companies, technology and services providers, and researchers, and investors in the biotechnology sector.

About Aviwell

Based in Toulouse, France and Boston, USA, Aviwell is a biotechnology and hybrid Artificial Intelligence startup that has developed and successfully tested its unique biological algorithms and built a proprietary Microbiome Discovery Platform. The company aims to help revolutionize the food and agriculture sector with solutions to improve animal growth and health in a natural, sustainable and eco-friendly manner – for the good of our planet.

About TWB

Expert in steering scientific projects, TWB contributes to the development of new sustainable production pathways by providing innovative and economically sound alternative biological solutions. In order to accelerate the transition towards an eco-responsible industry, TWB has drawn on collective intelligence to drive pioneering links between researchers, industrial groups and investors. By fostering worthwhile, practical and innovative research, TWB meets a two-fold challenge: to effectively address the issue of climate change whilst creating economic value.
Since the creation of TWB (2012), under the triple supervision of INRAE, INSA and CNRS, and, as of the 1st January 2021 strengthened by 53 partners; (industrial groups, start-ups, investors, research bodies, local and regional authorities, etc.); TWB has contributed to the launch of 214 collaborative research and development projects and to the growth of numerous start-ups which in total have raised more than 100M€.
More information: https://www.toulouse-white-biotechnology.com/en/

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