

Our beliefs

- Microbial diseases are and will remain a public health threat. The threats have multiple causes; for example, emerging diseases, antimicrobial resistance, and vaccine hesitancy.
- These threats can only be addressed by the translation of scientific discoveries by healthcare companies into solutions that benefit patients.
- To achieve this, original, high-impact technologies must be developed through public/private collaborations that involve shared risks and returns.

Our mission

To provide our partners and customers with innovative scientific and technological solutions to accelerate the development of their products.

Our values

Sharing • Integrity • Agility





Xavier Morge CEO

BIOASTER is a Technological Research Institute (IRT) in health technologies, created at the initiative of the French government and private life science companies.

BIOASTER is a not-for-profit Scientific Cooperation Foundation (FCS) that is dedicated to the study of microbiology and infectious diseases, tackling diseases caused by bacteria, viruses, parasites, and fungi. We offer a new approach to R&D, by integrating the principal scientific and technological disciplines, to better share the risks of innovation.

KEY FIGURES

+ 250

research contracts including **66** collaborative projects with academic and indiustrial partners + 100

business and industrial partners around the world

18

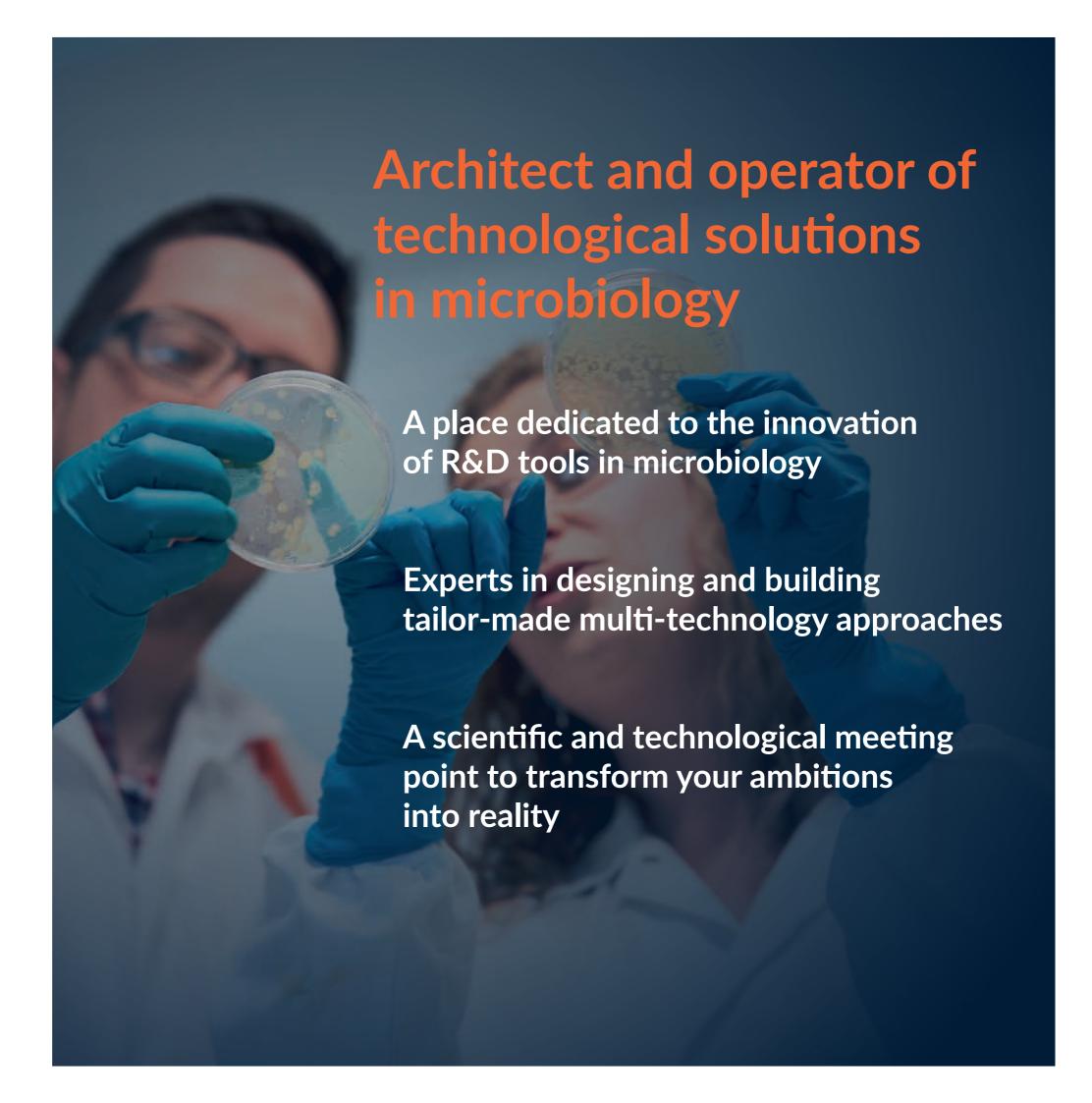
patents

+ 100

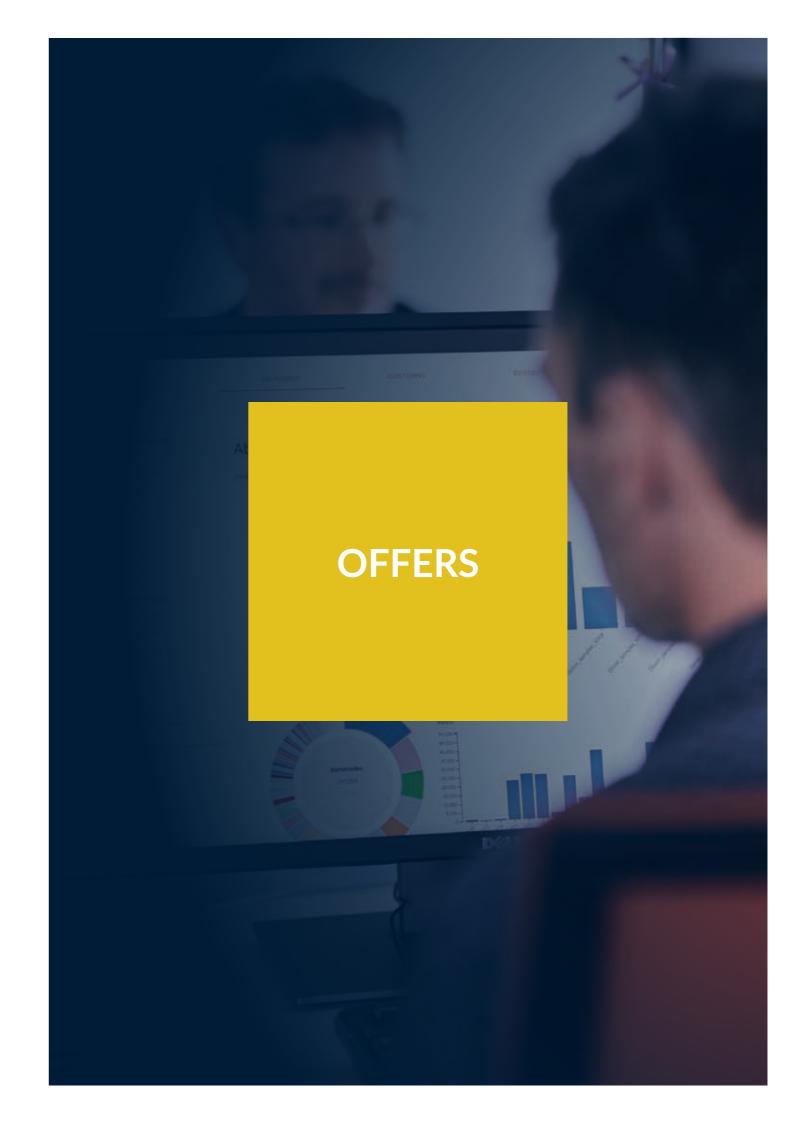
employees of **15** different nationalities

10

grants

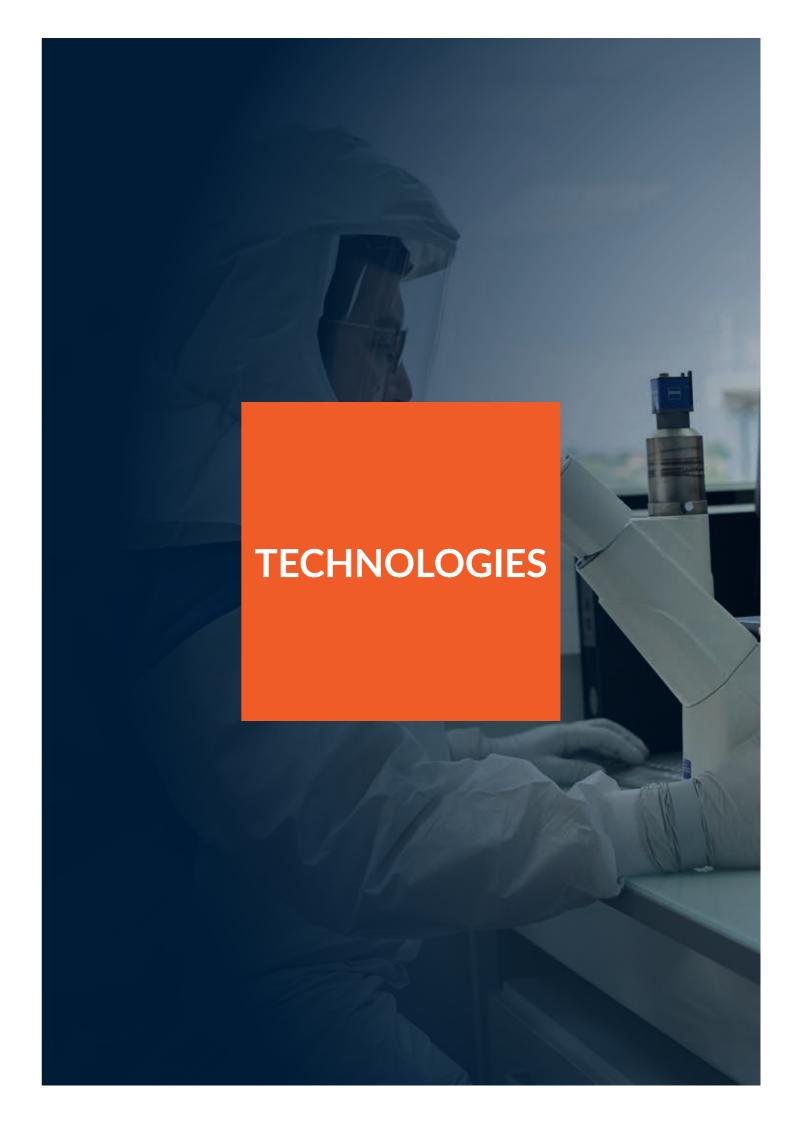


Generate more opportunities to accelerate your innovations.



OFFERS IN VITRO / IN VIVO **MICROORGANISMS MECANISMS OF ACTION** MECHANISM OF ACTION, **SAMPLES OF INTEREST HOST RESPONSE, ACTIVITY, PROPHYLACTIC SOLUTIONS MODELS PROFILING & EFFICACY OF** Decipher the mechanism of action triggered Access to well characterized Integrated approach from relevant in vitro YOUR ANTIMICROBIALS by your prophylactic solutions. & documented biological samples model engineering to in vivo validated to explore host-pathogen interactions. models to de-risk and accelerate your Assess Mechanism of action, Host Response, product development. Activity, Profiling & Efficacy of your antimicrobials to efficiently fuel the translational pipeline of new drugs for the benefit of patients. **TECHNOLOGICAL BIOMARKERS** DATA **DEVELOPMENTS** Face the data challenges Identify, characterize, exploit, as a translational tool, companion or in Life Sciences. Developing more targeted, effective and diagnostic test. personalized therapies now requires technology to become an integral part of your R&D program. Dell

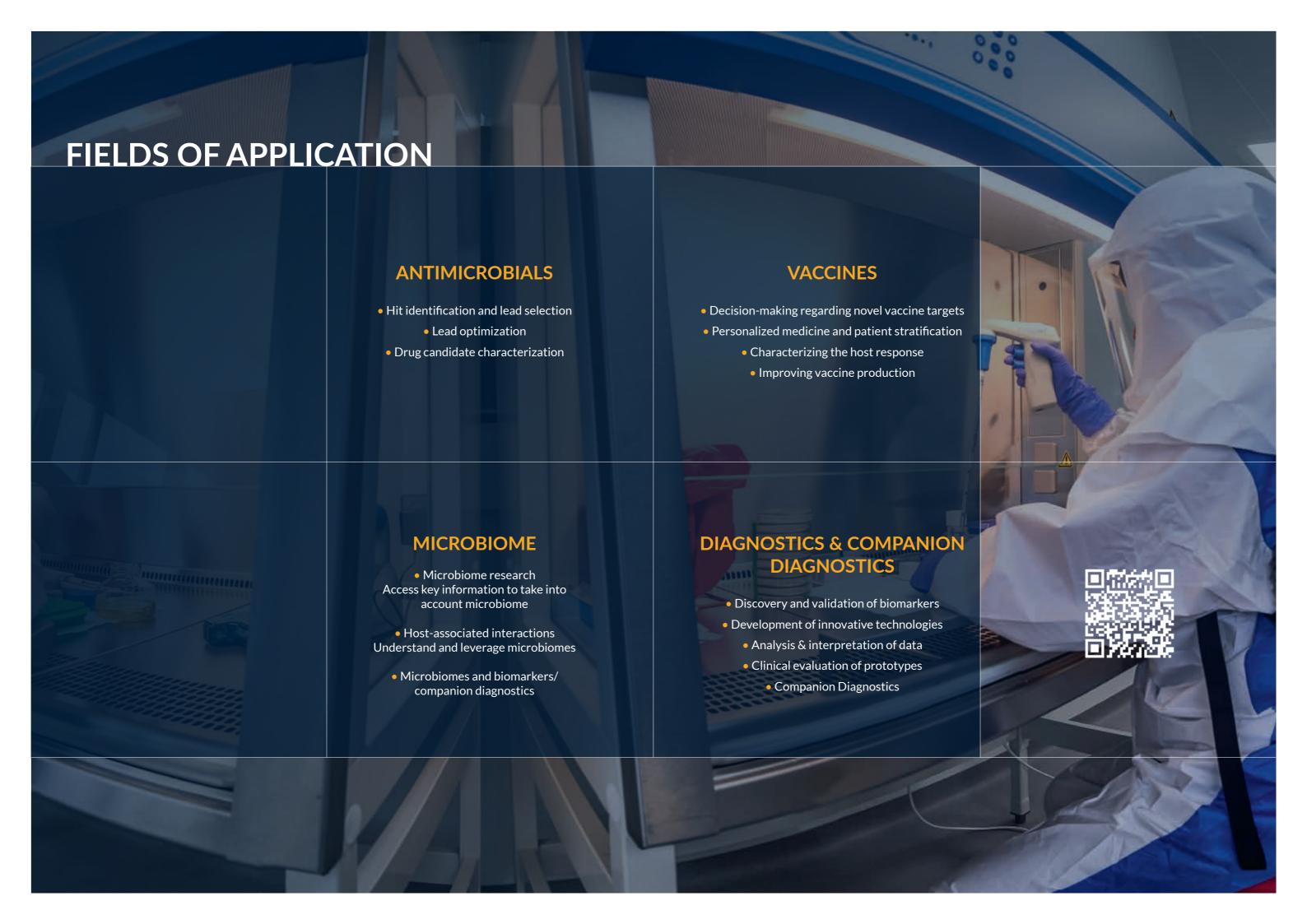
Provide access to technological solutions that accelerate your product development.



TECHNOLOGIES MICROBIOLOGY PRECLINICAL MODELS BIOASSAYS, MICROSYSTEMS & OPTICAL ENGINEERING & MOLECULAR & IMAGING **ENGINEERING** Provide innovative animal models/technologies for the study of infectious diseases Engineer and customize bioanalytical tools for Design and develop original scientific and the microbiome. and technological solutions to accelerate deciphering, detecting and characterizing infectious microbiological research for the benefit disease pathogens, evaluating vaccines and therapies of animal and human health. on pathogen and on the immunological host response. **OMICS DATA SCIENCE, DATA CLINICAL OPERATIONS** MANAGEMENT, Provide problem-oriented innovations in Give you access to well-characterized, & DIGITAL SOLUTIONS Omics to address technological obstacles. tailored, high-value human biological samples to accelerate your health-Bring the continuum of Digital product development projects. Technologies and Advanced Data Analytics Approaches to serve project's Data Science & Data Management objectives.

Combine our expertise with yours to take down technological barriers and achieve your ambitions.





Our story

2012

- Creation of the IRT
- 3 employees (and numerous supports)
- 4 fields of application: Antimicrobials, Vaccines, Microbiome, Diagnostics

2013

- 61 employees
- Structure: Paris 600m² / Lyon 820m² (offices and labs)
- 15 projects

2015

- 100 employees
- New building in Lyon with 2,200m² of laboratories and 1,360m² of offices, in addition to the 850m² premises in Paris, 7 technological units
- 31 projects

2021

• 110 employees from 15 different nationalities

2022

• 250 research contracts including 66 collaborative projects (since 2012)

2023 & beyond...

A story to write together

Founders

CO-FOUNDING LEADERS





FUNDING SUPPORTS







PUBLIC RESEARCH INSTITUTIONS









MAJORS OF HEALTHCARE **INDUSTRY**













bioaster.org



