

# The exhibition of innovations

WHEN CONNECTIONS CREATE VALUE



# The exhibition of innovations

Is an exploratory journey among **the excellences in the life sciences and human health sector**, a way to celebrate and highlight pioneering realities, established companies, small and medium enterprises with their forefront solutions.

Each page is a story of **ambitious projects, constant passion and commitment** of those who work to ensure a brighter tomorrow for everyone.

By exploring, deepening, and envisioning **new paths marked by innovation**, health, and well-being, this exhibition invites us to make them **concrete, tangible, and viable**.

## Sponsor



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# Bioindustry Park

Silvano Fumero

The place where research and entrepreneurship meet for the benefit of human health

## The Park

The science & technology Park represents for enterprises the ideal context to **make innovation**, supported by a network of institutions, universities, and investors.

## Our mission

We foster the exploitation of the **scientific results in the field of human health into technological innovations** that promote the set-up, growth and development of innovative and competitive global enterprises.

## We support environment and people

As a Benefit Company, **we promote energy, environmental and social sustainability initiatives** by involving companies and through awareness campaigns.

- 100% Energy from renewable sources
- Tree Planting for gas compensation
- Energy Saving systems
- Presence sensors
- Electric vehicle recharging
- Projects of sustainable mobility
- Smoking Area

We offer corporate welfare projects aimed at **improving people's work-life balance**, health prevention and well-being in the workplace and at encouraging the civic engagement of people.

**27.500sqm**

Laboratories, production lines, offices, shared areas



**40**

Settled organizations (research centers, start-ups)



**+800**

Jobs created



# #ReadytoStartUP!

A tailored program to boost your success

## Innovation and health

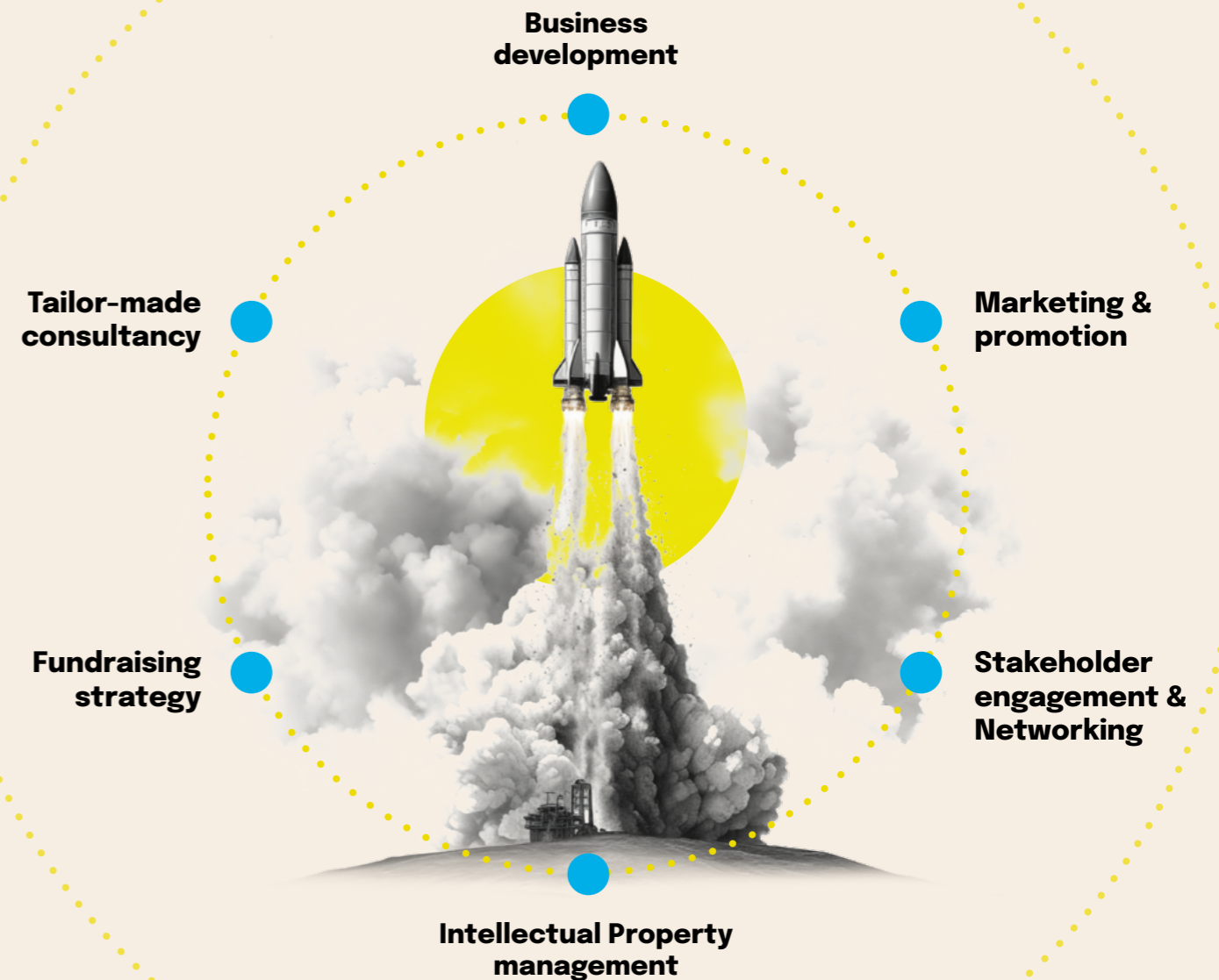
#ReadytoStartUP! is our project dedicated to Start-ups, Scale-ups, and SMEs that facilitates the market access of **innovative solutions for human health**.

## Turning an idea into a success

#ReadytoStartUP! strengths leverage on tailored support, in-depth research and analysis. Our experts assist the teams in setting up a plan for the success of their entrepreneurial initiatives, starting from goals and priorities. **Strategic consulting, regulatory support, access to funding, business development, intellectual property protection and management and internationalization activities** are the key areas within #ReadytoStartUP! offer. Connections, cutting-edge vision and commitment to excellence make #ReadytoStartUP! the right catalyst to turn innovative ideas into available solutions.



#ReadytoStartUP!



# bioPmed

Piemonte Innovation Cluster

We create connections between key players in the Piedmont Region to generate value and innovation in the human health and life sciences sector.

## Our value

We are the reference hub for the **growth** and **success** of Piedmont's health and life sciences value chain, aimed at stimulating competitiveness and enterprise development.

## A reliable support

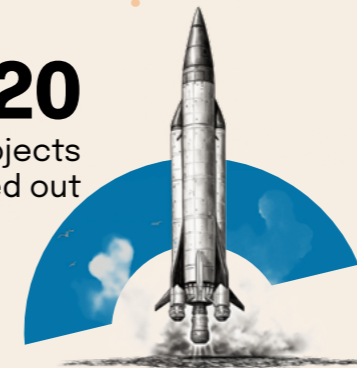
We **create opportunities**: we guide organizations through every stage of the innovation process assisting them in making decisions, we help companies and start-ups to build tailored paths to achieve ambitious market goals. We identify global and international business opportunities, highlight new projects with marketing actions and visibility and support the development of innovative projects through customized supporting programs to turn an idea into a successful project.

## Our members, our strength

Our **network** consists of **people** who actively work in the **health and wellness sector**: public and private research companies, foundations and associations, start-ups, SMEs and large enterprises, hospitals, and local health services. We are a network that **collaborates, innovates, and creates value**. Together with our members, we encourage change every day creating partnerships, giving life to new projects, stimulating exchanges and sharing.

*Let's innovate together!*

**20**  
European projects  
carried out



**450**  
Community  
members



**+20Mln**  
Regional  
funding



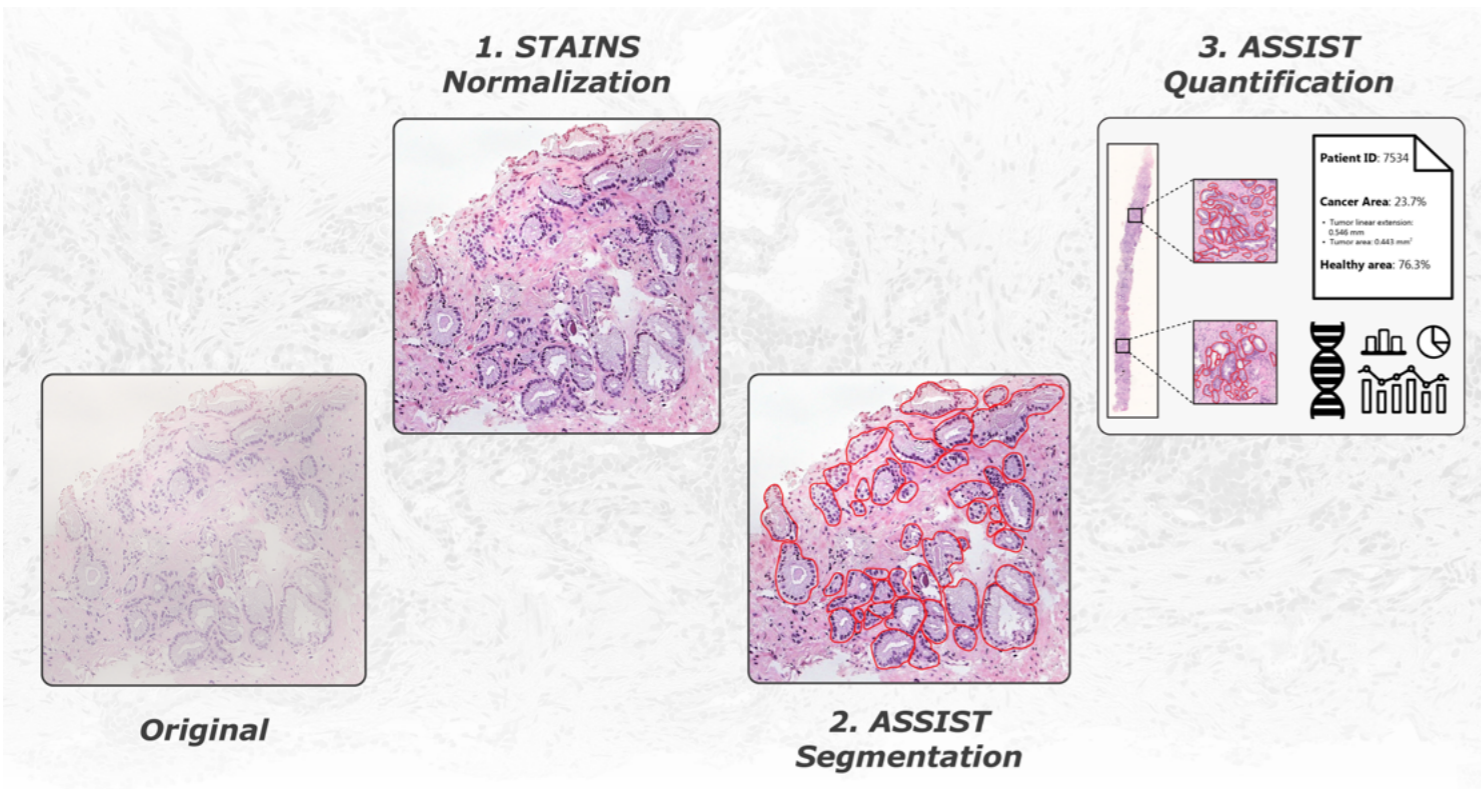
**bioPmed**  
PIEMONTE INNOVATION CLUSTER

# Aequip

At AEQUIP, we develop medical imaging analysis tools to support clinical specialists. Humans and AI can work in synergy for more precise and efficient image analysis to enhance patient care.



Medical devices



## Who we are addressing to

We address clinical specialists, to help them provide fast and high-quality diagnoses.

## Our value proposition

Main Branch: Anatomic Pathology. The specialist, the pathologist, is charged with producing a large number of diagnoses within tight timeframes, examining images of organic tissues. It's an activity that requires attention and accuracy.

Our algorithms enhance data quality and extract clinically relevant information to support specialists. Our tools integrate advanced techniques such as Artificial Intelligence along with mathematical-statistical parameters in an innovative and proprietary approach called MDI: Mathematical Driven Intelligence.

Two initial products:

- STAINS, to optimize the chromatic profile of the image;
- ASSIST, to recognize and quantify tumor areas.

Our techniques can also be applied in other areas such as radiology, ultrasound, microscopy, and dermatology.

[www.aequip.it](http://www.aequip.it)  
[info@aequip.it](mailto:info@aequip.it)



# €450k

Funds raised equity-free and equity



# 3

Patents: 2 at international level and 1 filed



# 40+

Publications in scientific journals



Interweaving synergistic connections by combining expertise, visions, personalities, and goals to collectively build a future that is innovative and better than the present.

The community's worth

# AOU Alessandria

Azienda Ospedaliero - Universitaria di Alessandria: we are a healthcare hub with three missions of patient care, research and education that find expression in DAIRI: at the core of our activities is the belief that “he who researches, cures”.



**AZIENDA OSPEDALIERO - UNIVERSITARIA SS ANTONIO E BIAGIO  
E CESARE ARRIGO DI ALESSANDRIA**  
Dipartimento Attività Integrate Ricerca e Innovazione (DAIRI)  
Via Venezia 16, 15121 Alessandria (AL), Italia



## Who we are addressing to

We work to improve patient care and quality of care through research.

## Our value proposition

Dipartimento Attività Integrate Ricerca e Innovazione (DAIRI) coordinates research activities on environmental and asbestos-related diseases from a One Health perspective, including:

- preclinical;
- clinical from phase I to phase IV;
- translational;
- population;
- health professions;
- organizational research.

It is equipped with an Infrastructure that supports, organizes and promotes research and training of professionals in a multidisciplinary approach, enhances scientific productivity and the transfer of scientific results in the hospital and in the territory.

It has facilities such as the Clinical Trial Center, Grant Office, Biomedical Library, HTA Unit, Biobank, Fundraising, and some specific sectors like the ‘Disease Unit’, Integrated Laboratories with the University of Eastern Piedmont and Study Centers.

[www.ospedale.al.it](http://www.ospedale.al.it)  
[progetti.infrastruttura@ospedale.al.it](mailto:progetti.infrastruttura@ospedale.al.it)

# 585

beds on three wards (Adult, Pediatric and Rehabilitation)

# 213

research staff

# 350

scientific publications

”

DAIRI is committed to networking with national and international, public and private centers, to promote new forms of clinical, healthcare, and organizational project management, thus improving patient care and treatment.

*The community's worth*

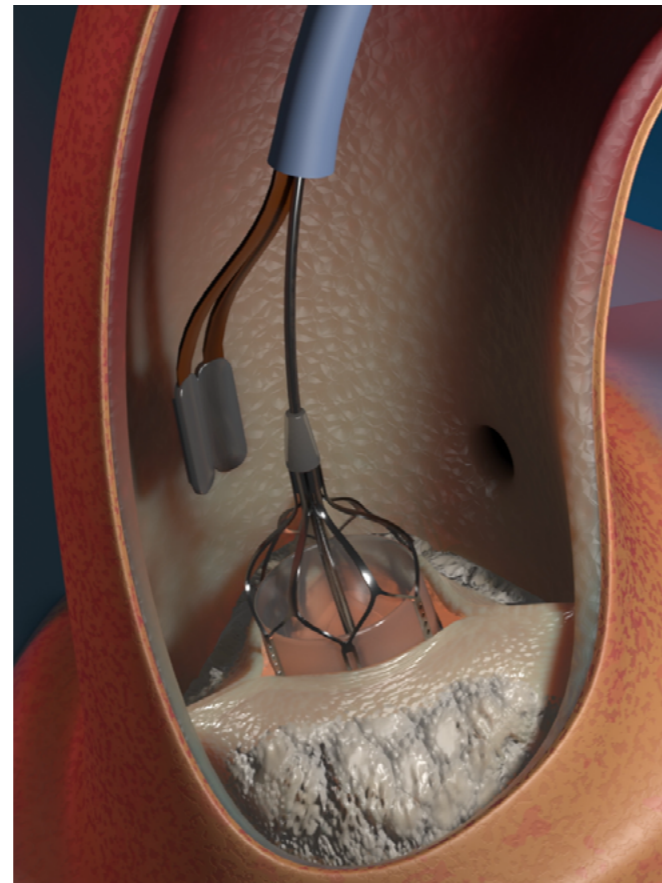
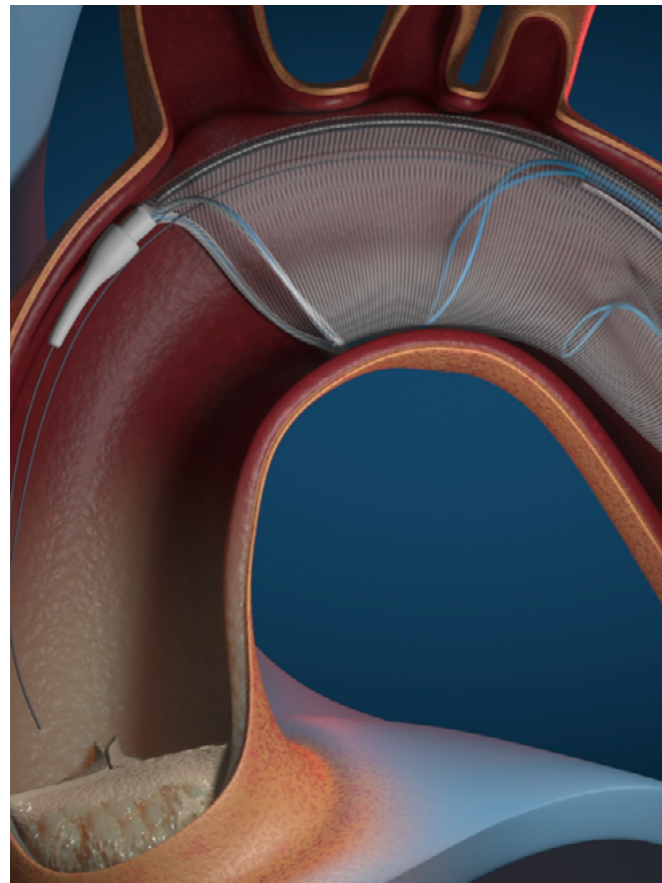


# AorticLab

AorticLab develops minimally invasive systems for restoring functional aortic valve stenosis with the aim of improving procedural safety and patients' quality of life.



Medical devices



## Who we are addressing to

AorticLab targets stakeholders who embrace innovation in the medtech sector.

## Our value proposition

AorticLab develops a system for the safe treatment of aortic valve stenosis consisting of two medical devices, FLOWer and Gemini.

FLOWer is a trans catheter device that protects cerebral and peripheral vessels from potential emboli released during cardiovascular procedures, ensuring better procedural outcomes for patients.

Gemini is a trans catheter device that applies ultrasonic waves to the leaflets of the stenotic aortic valve, aiming to fragment the dystrophic calcifications on the valve tissue and restore its normal function.

# 2

devices under development

# 50%

women and 50% men

# 75

patients who have been included in our clinical studies to date

”

It is essential to establish an open and transparent dialogue with people, taking into consideration their expectations and their needs for care and quality of life. Building trusting relationships with both patients and our partners is important.

*The community's worth*

# BioAir

BioAir SpA, leader in equipment for the control of environmental contamination, offers GMP isolators for the manufacturing of advanced therapy medicines.



## Who we are addressing to

ATMPs are medicines for human use that offer opportunities for the treatment of diseases.

## Our value proposition

ISOCellPRO® 4.0 - a clean room in 1m<sup>3</sup> - is the ideal Bioair solution for GMP production in closed systems (AinD) of ATMPs (Gene therapy products for somatic cell therapy or tissue engineering and regenerative medicine products)

For providing a streamlined workflow environment reducing the set up and running costs of cell therapy products we have realized ISOCell PRO, a Cell Therapy Grade A Isolator alternative to the use of A in B clean room environment. Indeed, IsoCell Pro is a Closed System that requires ISO 8 - Class 100,000 - Grade D surrounding environment. The Positive Pressure Isolator guarantees ISO 4.8 - Grade A environment in the working area with aseptic conditions according to GMP.

# 67%

Operating cost savings:  
closed systems vs open  
systems

# 30k

Bioair safety cabinets  
sold worldwide

# 1st

reference in the worldwide  
for ATMPs isolator

Imagination, technology  
and know-how.

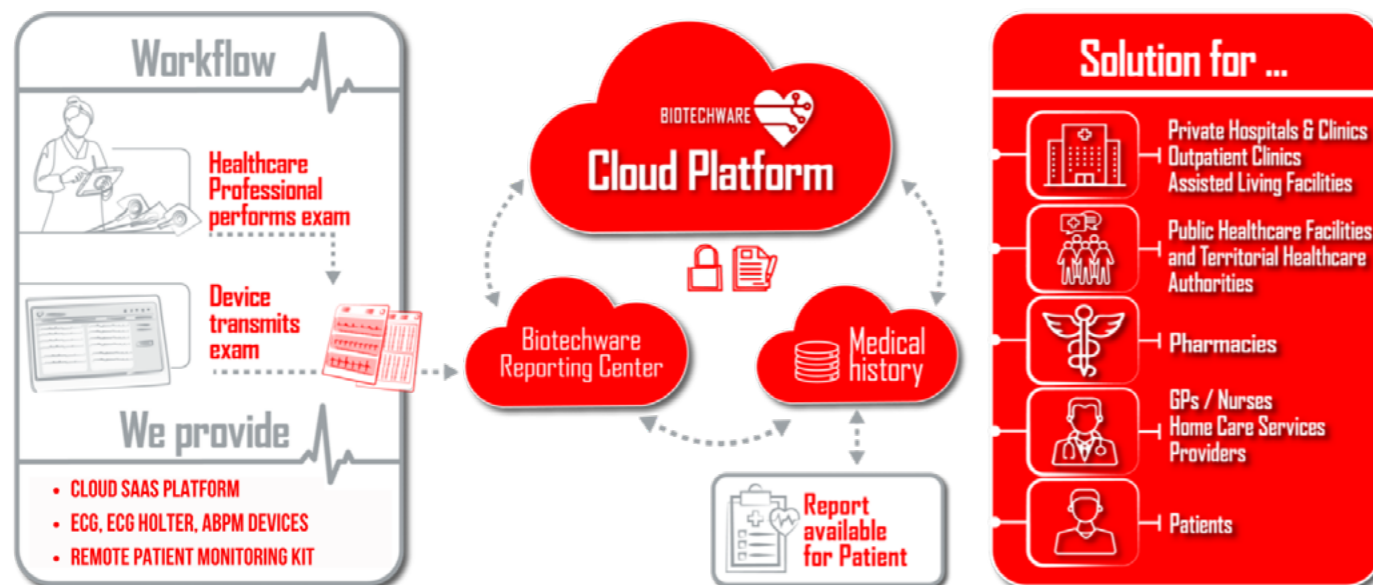
The community's worth

# Biotechware

Our company operates in the field of Telecardiology for more than a decade: we develop and provide solutions (devices and services) for optimising the processes and resources used in the diagnosis and monitoring of cardiovascular patients.



Medical devices



## Who we are addressing to

Healthcare facilities such as hospitals, clinics, outpatient clinics, pharmacies, nurses and caregivers where Telecardiology could overcome the lack of an on-site specialist.

## Our value proposition

We provide a complete Telecardiology solution encompassing all elements from devices to medical reports, enabling digitised archiving, management and reporting of examinations.

How does it work?

1. Our offer includes devices for resting ECG, Holter ECG, Holter pressure and Telemonitoring Kits
2. Using our devices, patient data, medical history and biological parameters are acquired
3. This data is sent to the Biotechware Cloud Platform, where it is examined by our 24-hour Medical Centre
4. Medical report is issued in a short time and can be consulted by caregivers or directly by the person

**+7.000**

examinations reported each month

**+1.000**

active health points throughout Italy

**+2.000**

active medical devices throughout Italy

“  
Networking means sharing knowledge, creating synergies, and bringing innovation to the field of human health and life sciences, for a healthcare system that is more responsive to people's needs.

# Chemsafe

We are Chemsafe, an Italian Regulatory Affairs company. Our scientific and toxicological background is the backbone that has allowed the evolution and of every activity we do today.



**Specialized consulting**



## Who we are addressing to

We work for companies that need help with both Regulatory compliance and scientific support.

## Our value proposition

We have a staff of 38 professionals divided into 4 Business Units: Chemical, Pharma, Medical Devices and Food.

In the Chemical area we deal with REACH regulation and CLP classification as well as registration of biocides and Pesticides.

The Pharmaceutical Unit performs risk assessment on the presence of nitrosamines, E&L assessments, PDEs and OELs for pharmaceutical manufacturers.

The Medical Devices Unit follows the procedure and risk assessment related to new Medical Devices entering the EU market. Cosmetics are also handled under the MD unit.

The Food unit deals with Novel Foods registration procedures, new additives or enzymes, and nationally with food supplements, along with packaging and food contact materials.

**80%**

loyalty rate

**200+**

types of services

**+80%**

the percentage of women within the staff

”

Every business that exists is the result of a relationship. We strongly believe that the continuous exchange between colleagues and clients is a source of growth, inspiration and opportunity.

*The community's worth*

# Fluody

We are a chemical Contract Research Organization (cCRO). Our expertise is Organic Chemistry. We offer R&D Services, Custom Synthesis and Production of Chemicals, difficult to find on the market. Your Molecule is our Mission.



## Who we are addressing to

We work for Pharma (Active Pharmaceutical Ingredients manufacturers), Life Sciences and Imaging.

## Our value proposition

We offer Research and Development Services. We design and synthesize molecules on customer request and supply samples from milligrams to kilograms. We optimize existing synthetic routes or we develop new ones providing technical and analytical reports and representative samples of the research activity.

Thanks to the experience of more than thirty years of work in chemical industry and to a laboratory equipped with a wide range of analytical techniques, we are able to develop innovative approaches to complex synthesis of molecules with multiple chiral centres and not commercially available.

We have technologies for the synthesis and the purification of fluorescent markers used in the Life Sciences (genome analysis, flow cytometry, *in vitro* and *ex vivo* analysis, *in vivo* optical imaging, diagnostics, smart surgery) and we offer a range of fluorescent dyes covering the entire Visible spectrum up to the Near Infrared.

# 200

organic molecules  
available in the catalog



# 80

synthesized fluorescent  
dyes



# 30+

years of experience  
in the field

”

Networking means combining skills and professionalism to provide innovative answers to the market demands.

The community's worth

# Gem Forlab

Our services are aimed to solve problems linked to quality, safety, efficacy of products and compounds under development phase and to identify customized solutions to specific R&D issues.



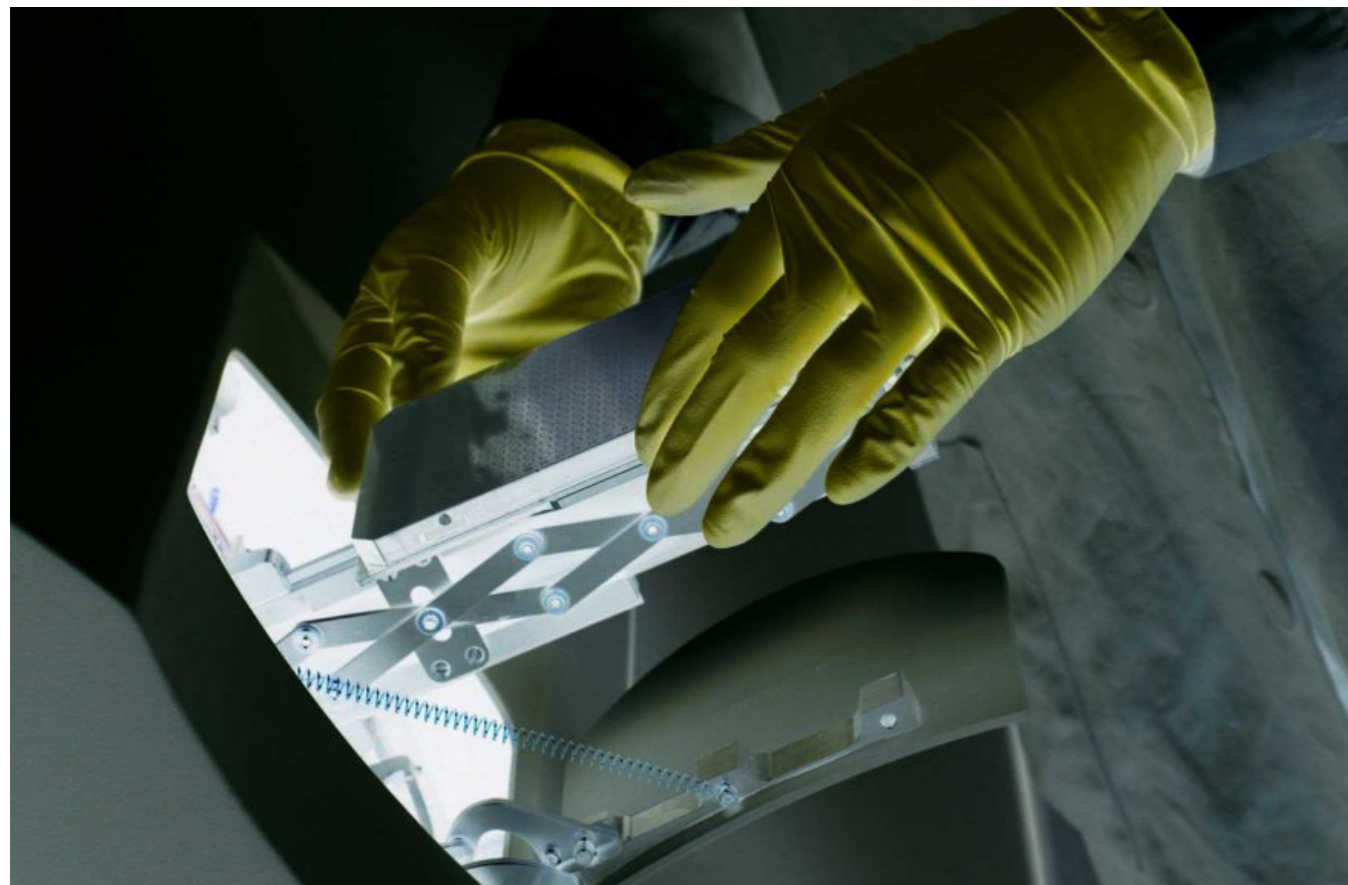
**Pharmacology  
biotechnology**



**Diagnostic**



**Medical  
devices**



## Who we are addressing to

We can address complex issues in sectors such as pharmaceutical, medtech and agrifood.

## Our value proposition

The main objective of our organization is to give clients support to speed up their R&D processes, boost licensing opportunities and fulfill safety requirements.

We are committed to achieving our mission by providing high-quality, personalized, value-added services that exceed customer expectations.

We are committed to converting each project engagement into a long-term relationship.

# 75

studies commissioned in 2023, 10 of which were in compliance with regulatory requirements

+90%

proceeds derived from R&D activities

+80%

of the employees, are women

”

Networking ensures personal growth, respect, empowerment, and equality for individuals; it maintains a high technological level through innovation and creativity; it enables the constant updating of scientific and technical knowledge.

*The community's worth*

# INRiM

INRiM is a public research centre that carries out and promotes metrology research, and develops the most advanced standards and measurement methods and related technologies, through which it performs the functions of National Metrology Institute of Italy (NMI).



**Pharmacology  
biotechnology**



**Diagnostic**



**Specialized  
consulting**



**Medical  
devices**



ISTITUTO NAZIONALE DI RICERCA METROLOGICA -INRiM  
Str. delle Cacce 91, 10135 Torino (TO), Italia



## Who we are addressing to

INRiM collaborates with national and international companies, institutes and research centres in the biomedical field.

## Our value proposition

In the biomedical field, INRiM contributes to developing measurement techniques, analysis methods, computational tools and technologies based on innovative materials and devices for applications in the diagnostic and therapeutic fields, with implications in the field of personalised, precision and regenerative medicine.

The Institute is also committed to monitoring health risks associated with exposure to electromagnetic fields, ultrasound and toxic substances present in the environment and food. In particular, INRiM contributes to preserving the food chain through the development of innovative food analysis techniques that allow to establish its quality and origin.

[www.inrim.it/it](http://www.inrim.it/it)  
[tech.transfer@inrim.it](mailto:tech.transfer@inrim.it)

# +40

researchers and  
technologists involved  
in biomedical research  
activities

# €250k

annual funding in the field  
of biomedical research

# +20

active collaborations with  
research centers in the  
biomedical field

”

The institute has gained significant experience through participation in and coordination of projects, both nationally and internationally, in the biomedical field. Leveraging the network of the bioPmed Pole, INRiM aims to make available to local companies the expertise and capabilities of the institute's laboratories.

*The community's worth*

# Progetti Medical

We are Italian manufacturers of defibrillators with over 32 years of experience in the development and production of equipment for monitoring, prevention, and treatment of cardiorespiratory conditions.



Medical devices



Pharmacology biotechnology



## Who we are addressing to

Thanks to our portfolio, we are the ideal solution for hospital facilities, emergency centers, and clinics that will have direct access to our parent company, satisfying their needs to the fullest.

## Our value proposition

Cardiovascular diseases are among the leading causes of mortality. Data on mortality due to sudden cardiac arrest, with over 70 thousand deaths per year in Italy alone, compel us to take this issue very seriously. That's why for over 30 years, we have been committed to promoting the presence of AED defibrillators, being the only tool capable of stopping sudden deaths.

An AED defibrillator, if used in the very first minutes after the event, reduces the probability of sudden death by up to 70%.

# 80+

countries where we are present

# 1 hk

Equipment installed worldwide

# 32

years of experience in the development of medical devices

”

Successful products stem from the ability to listen. Networking allows us to understand and share needs, which we can then transform into products.

*The community's worth*



# Separeco

We are Separeco, one of the few global companies specialized in supercritical-CO2 and its applications, for more than 25 years we have been providing systems and solutions for the pharmaceutical and food sectors.



## Who we are addressing to

We address the pharmaceutical, food and bio-polymers world. We are looking for partners for the development of a new application for supercritical CO2.

## Our value proposition

With this technology that exploits supercritical CO2 we can offer micronization systems for pharmaceutical powders, offer solutions for the removal of solvents or we can use this technology for the extraction and fractionation of APIs or substances with high added value, always without the use of organic solvents.

We can obtain powders from lipophilic, and in some cases hydrophilic, substances with particle sizes from 200 to 5 microns and at the same time reduce the residual moisture of the powders. Furthermore, we can completely remove a wide range of organic solvents from hydrophilic matrices to obtain a product that is not contaminated by previous manufacturing processes.

Eventually, we provide prototype solutions for new process and system applications.

**290+**

deployed  
systems



**15+**

countries around  
the world where our  
systems are active



**1**

new R&D unit  
for new processes

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Being part of a network  
entails coming together to  
overcome the obstacles.

# Stelar

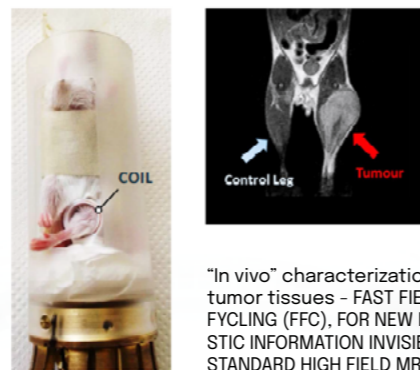
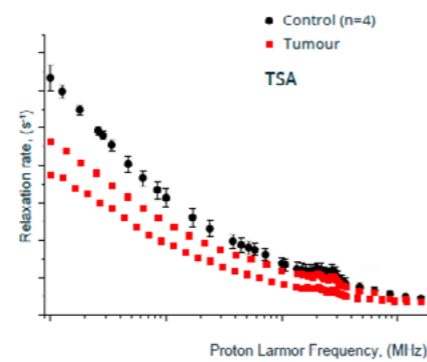
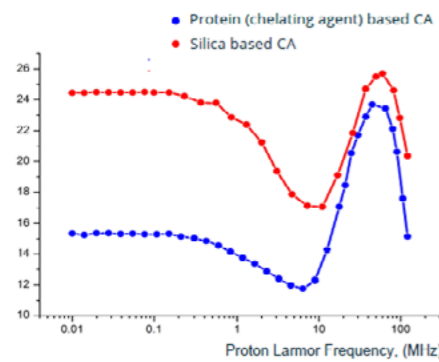
Stelar srl is a worldwide leader in the production of scientific instruments for magnetic resonance, which exploit an innovative analytical technique, complementary to classic NMR methods: Fast Field Cycling NMR Relaxometry.



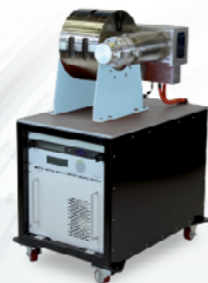
**Medical devices**



**Pharmacology biotechnology**



"In vivo" characterization of tumor tissues - FAST FIELD-CYCLING (FFC), FOR NEW DIAGNOSTIC INFORMATION INVISIBLE TO STANDARD HIGH FIELD MRI



Full T1-T2 profiling of MRI contrast agents - FROM LOW TO HIGH FIELDS UP TO CLINICAL MAGNETIC FIELD STRENGTH (3T)

## Who we are addressing to

We provide FFC NMR solutions to institutes, labs and companies, for scientific and industrial research application purposes.

## Our value proposition

We offer innovative solutions to study, characterize and authenticate any material in any physical form, using the NMR FFC relaxometry technique. We provide technological instrumentation to meet the needs of scientific research and industrial application.

The method allows the study of the dependence of T1 relaxation on the magnetic field, giving relevant information on the molecular dynamics (physical and rheological properties) of the samples. This technique is used in the biomedical/diagnostic field, in research on contrast agents for MRI, in agri-food research for quality control.

It is also a powerful tool in the study of polymers and materials science, in the petroleum industry and in the development of ionic liquids for batteries.

**860k**

turnover in 2022

**100+**

NMR research institutes and laboratories reached

**40**

years of activity in international markets



Strategic partners, NMR conferences, relevant scientific literature papers: the fundamental ingredients of the FFC community, our success.

*The community's worth*

# SynDiag

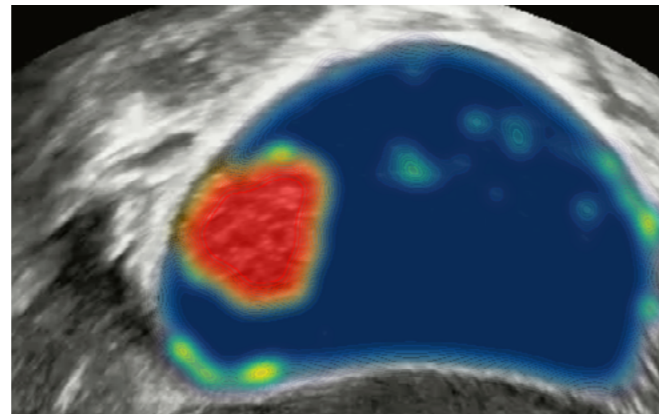
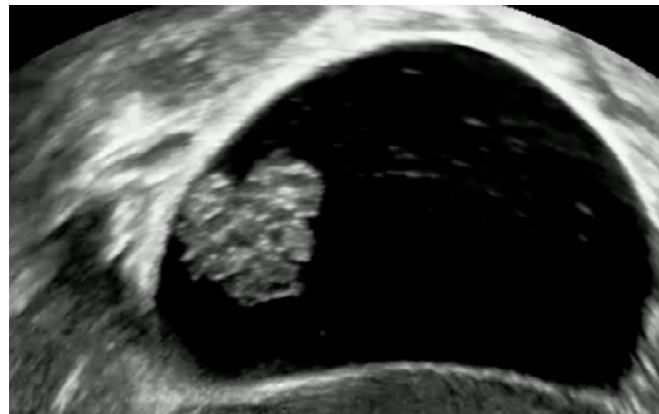
At SynDiag we developed OvAi, a medical device which makes the early diagnosis of gynecological tumors possible through artificial intelligence in ultrasound imaging, starting with ovarian cancer.



Medical devices



Diagnostic



## Who we are addressing to

OvAi is produced for gynecologists, both in clinics and in the hospitals, and for their patients.

## Our value proposition

Ovarian cancer has characteristics that are difficult to interpret and it is asymptomatic in the early stages.

Ultrasound imaging is the most informative medical exam for the diagnostic evaluation, but it is very dependent on the experience of the operator who performs it. OvAi (medical device, CE mark Class I MDD) makes it possible to analyze any gynecological ultrasound data to identify ovarian lesions and clearly and objectively highlight the tumor risk characteristics. With this information, OvAi also provides the so-called virtual biopsy, i.e. an indication of the precise tumor type, necessary to define the treatment of the tumor.

Traditional biopsy is not possible for this tumor and OvAi therefore provides the doctor with information that would otherwise be inaccessible.

11

medical centers are using OvAi



6

patents filed



€2M

raised

”

Networking within the community means sharing experiences in tackling common problems and identifying opportunities, acting together and with everyone's energy to seize them and transform them into value.

The community's worth

# Value Services

Value Services, consulting firm specialised in European, national, regional Subsidized Finance and the Start-up-System, supporting companies that invest in research, development and innovation.



**Specialized consulting**



## Who we are addressing to

Our clients are enterprises of all sizes and sectors, located nationwide.

## Our value proposition

Over the course of 35 years of activity, we have developed a working methodology capable of guiding enterprises in their development plans, from the analysis of their needs to the preparation of the application/project, through the preliminary examination phases and up to the final reporting, with a view to project management.

Our goal is to become a point of reference, using Subsidized Finance as a strategic tool to finance innovation and ensure sound business management.

## Areas of expertise

- National finance (MIMIT calls, Invitalia calls, etc.)
- Regional finance (ERDF RP etc.)
- European finance (EIC Accelerator, Horizon Europe, etc.)
- Tax Benefits Transition 4.0 (Tax credits, New Patent Box etc.)
- Start-up system (Smart & Start etc.)

# €4bn+

billion in subsidised costs

# 500+

client enterprises

# +3.5k

projects submitted

”

For us, networking means embracing Open Innovation and Technology Transfer, joining forces and ideas to create a collaborative and innovative ecosystem between companies, research institutions and public and private stakeholders.

*The community's worth*

# Vernay

We are Vernay, a well-established international company specialized in the design, development, and manufacturing of innovative rubber and plastic solutions for fluid control in the medical market.



Medical devices



Pharmacology biotechnology



## Who we are addressing to

Our customers are medical device manufacturers, contract manufacturers, and innovative start-ups.

## Our value proposition

Our expertise in components for medical and diagnostic devices, combined with our knowledge in custom material development, are the basis of Vernay's offering.

We collaborate since more than 75 years with the leading medical device manufacturers in the search for innovative technical solutions to ensure economic sustainability and product performance, combined with tangible benefits for patients.

We primarily operate in Cardiovascular (access, hemostasis, CPB, ECMO), Dialysis (chronic and peritoneal), Nutrition, Laparoscopy and Surgery, Orthopedics, Infusion Sets, Ophthalmic, Diagnostic, Drainages, Skin lesions and wounds sectors and more...

Controlling biological or pharmacological fluids through complex rubber and plastic sealing systems is the core business of Vernay.

**800+**

total employees  
(120 in Italy)

**1 bn+**

manufactured  
components per year

**6**

production facilities WW

”

The partnership with bioPmed has enriched our knowledge, stimulated innovation, and fostered valuable collaborations, contributing significantly to our growth and success in the biomedical field.

*The community's worth*

# Our key partnerships

We think that innovation may not be a lonely business, but a shared journey. Strategic partnerships represent the **pillar that sustains our innovation Ecosystem**: by unifying our forces, visions, and skills, we can turn challenges into opportunities, and ideas into tangible realities.

Join us to innovate together and increase the skills of our Ecosystem.



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