

A blurred photograph of two scientists in white lab coats standing in a laboratory setting. They appear to be looking at something together, possibly a piece of equipment or a document. The background is bright and out of focus.

## Introducing VitroScreen Research Platform

**VitroScreen**  
excellence in *in vitro* science

Lorenzo Meloni - Chemist



## OUR MISSION

We are determined to further the scope of biologically relevant, reproducible and predictive *in vitro* experimental models as the first alternative to animal and Human tests.

We want to be an international-GLP-compliant CRO performing pre-clinical *in vitro* toxicology and efficacy services, acting as an outsourced research center for the Pharmaceutical, Cosmetics, Nutritional, and Chemical Industries.

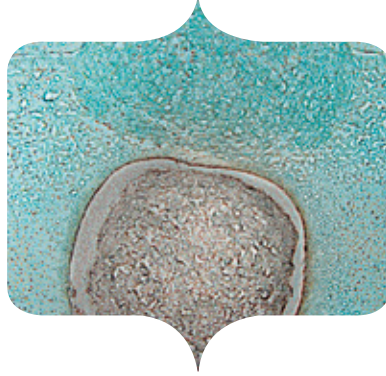
We are committed to deliver ethical and robust weight of evidences.

We support our team and we encourage each member to develop new ideas in their scientific endeavor, strengthening their emotional bond with our Company, contributing each day to our success.

Based on *in Vitro* Science    Inspiring innovation    Delivering value

## OUR MILESTONES

- 1890 *Farmacia Meloni* is established, starting a long story of science and innovation
- 2001 Marisa Meloni, PhD creates VitroScreen
- 2002 VitroScreen's first Laboratory at Padua University (Italy) – Department of Tissue Engineering
- 2007 VitroScreen opens its Laboratory in Milan (Italy)
- 2010 First GLP Certification for *in vitro* toxicology, metabolism and pharmaco-kinetic
- 2014 VitroScreen becomes Member of EU-NETVAL



## VITROSCREEN TODAY

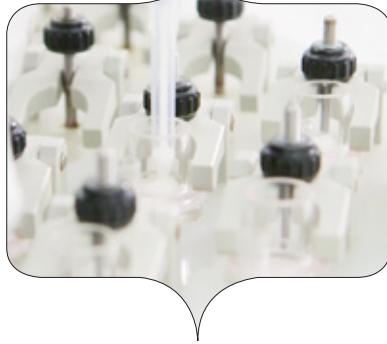
VitroScreen is a privately owned, independent CRO, with 7,000+ square feet Laboratory facility. It supports C-Level, R&D, Marketing and Communication teams of its Customers in the process of identifying the most predictive *in vitro* pre-clinical testing strategy in each developmental stage of Pharmaceuticals, Medical Devices, Cosmetics, Food Supplements, Biocides, Plant Protection Products, Chemicals.

VitroScreen goes much further than offering tests and basic information on biological activity via an alternative method.

VitroScreen deploys a visionary, sustainable, ethical and mechanism-based approach on 3D Human tissue models: reconstructed tissues and scaffold-free microtissues.

VitroScreen invests every year more than 20% of its revenues in research and has developed a large set of experimental models to assess safety and efficacy of ingredients and products.

Much more than a single *in vitro* test:  
an unbeatable Customer experience  
through a customized *in vitro* management  
of pre-clinical and innovation projects.



## OUR TECHNOLOGY PLATFORM

Our pre-clinical research and testing activity is structured around the following departments:

- *In vitro* safety screening on 3D Human reconstructed tissues
- GLP unit for *in vitro* regulatory toxicology and ADME
- Penetration, absorption and metabolism on skin and mucosae
- Molecular biology platform: transcriptomics, proteomics, biochemical and immuno-assays
- *In vitro* pre-clinical efficacy: 3D Human tissues, advanced and customized co-culture models, 3D scaffold-free Human microtissues.
- Microbiology unit dedicated to produce viable 3D Human tissues in presence of micro-organisms (microbiota and pathogens)
- Histo-morphology and Ultrastructure unit: IHC, IF, confocal microscopy and scanning electron microscopy
- Photobiology: Xenon 1Kw Oriel Sun simulator

Since 2001, VitroScreen has developed a “bridging” approach based on the experimental results from 3D models to predict *in vivo* response on Humans through a Multiple End Point Approach (MEA), now widely recognized by the scientific community.

VitroScreen Expertise:

“Bridging” from 3D Human Models to *in vivo* on Humans

"Salus ante omnia" Farmacia Meloni - 1907



## PHARMACEUTICALS and MEDICAL DEVICES

Committed to providing a robust  
weight of evidences

"La Medicea di Momafiore" C. Cielli - 1470



## COSMETICS

Sharing a passion for skin  
health and beauty



## CHEMICALS, PPP and BIOCIDES

A GLP quality system oriented  
environment

"Le fils de l'homme" R. Magritte - 1964



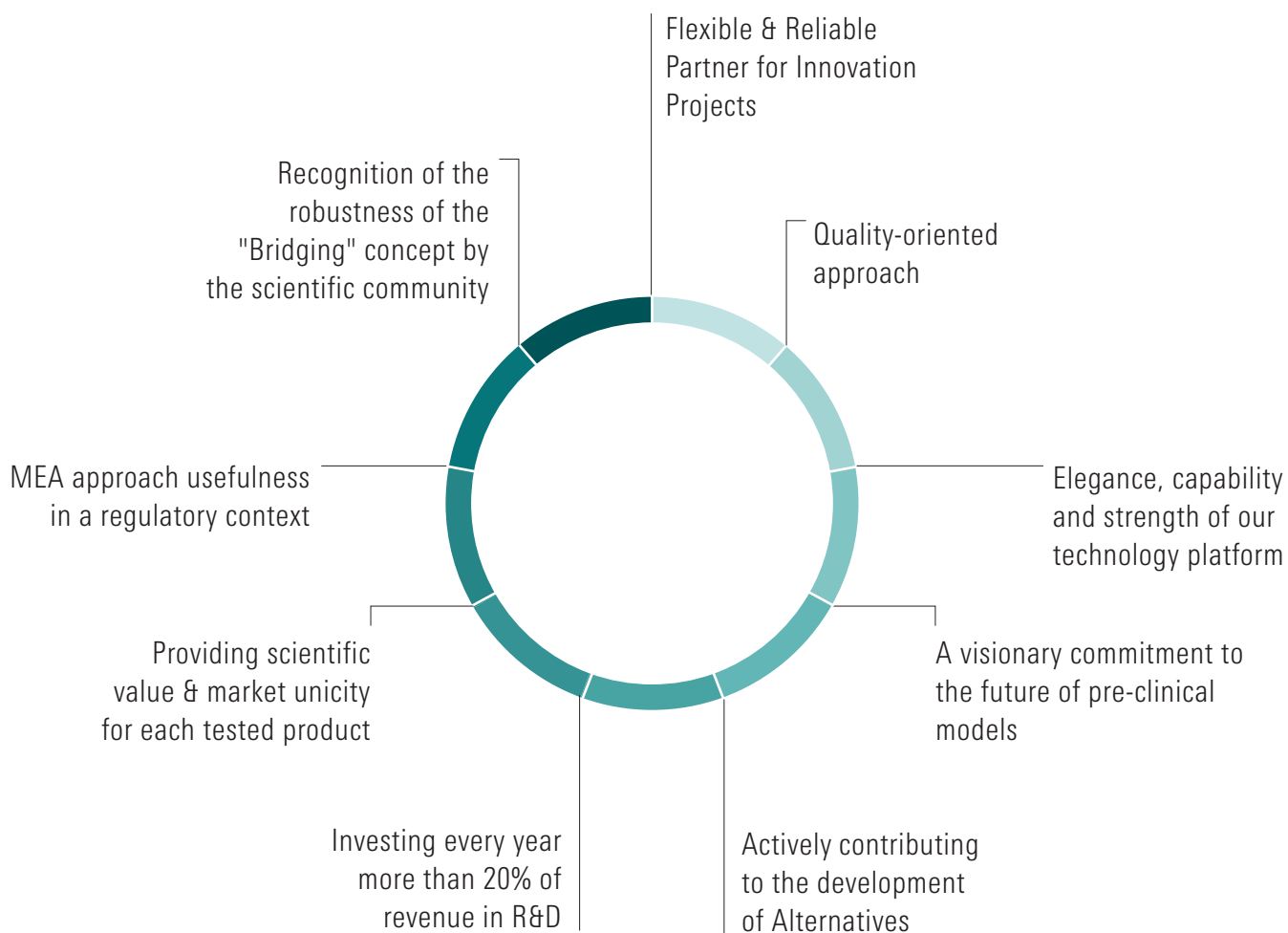
## NUTRITIONALS and FOOD SUPPLEMENTS

Helping to understand the  
Mechanism of Action

Four different areas of business and the same and unique *in vitro* expertise  
in pre-clinical safety and efficacy assessment.

To pursue a passion, to foster a vision, to share a dream to make products  
better and safer and to support the progress in life sciences.

# THE VALUE OF OUR MODEL



**VitroScreen**

excellence in *in vitro* science

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