



ASSOLOMBARDA

# The power of Life Sciences ecosystem

A focus on Italy and Lombardia Region

Speaker

Assolombarda

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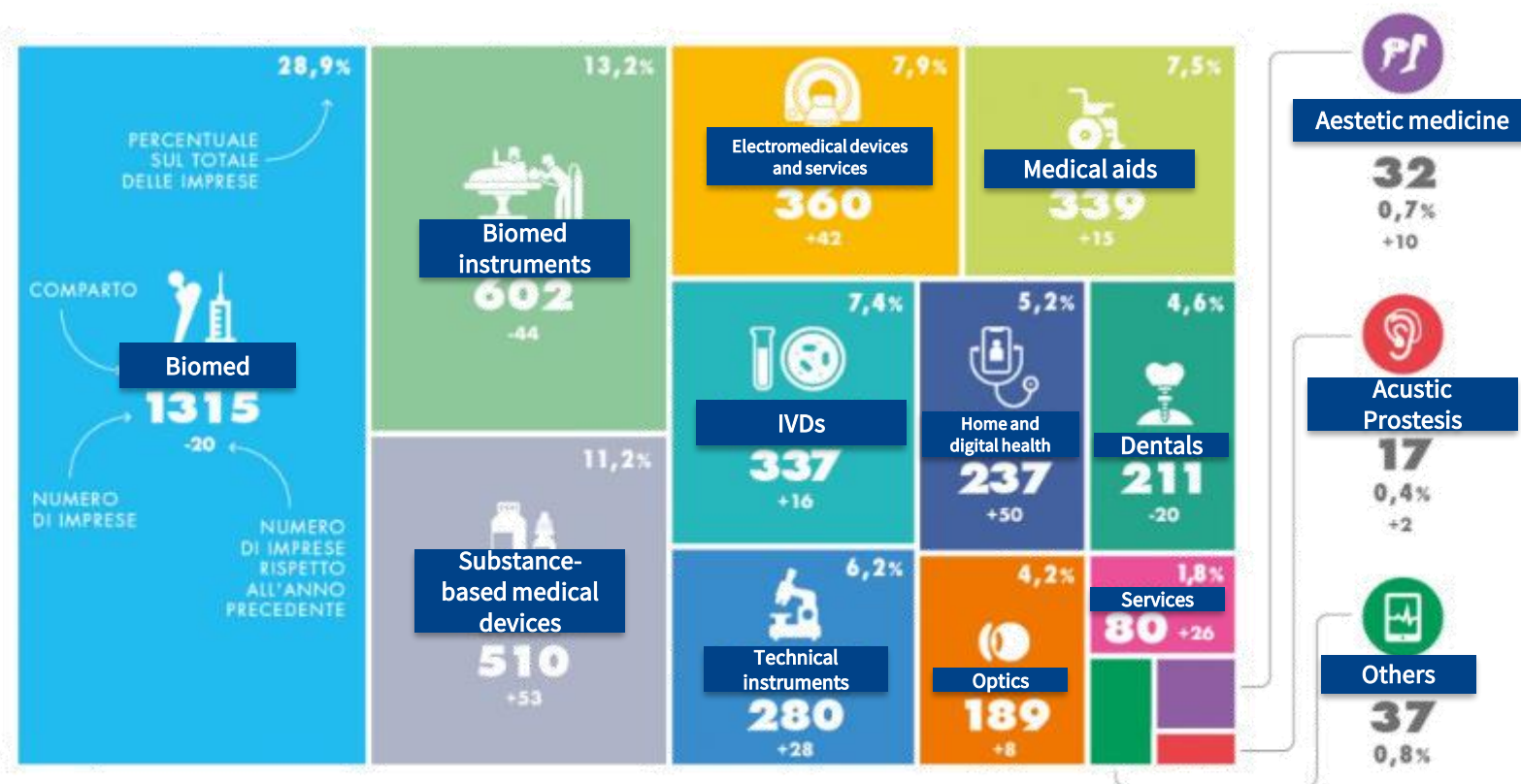
# Italian Pharma Industry in numbers

<b>34,4 billions</b> <b>Over 85%</b> <b>+3,3 billions</b> <b>3,1 billions</b>	Production value (fixed from 2020) Export/production share in the last 5 years Total foreign trade with even higher values for drugs and vaccines (+5,3 billions) Investments value (1,7 in R&D + 1,4 in manufacturing plants)
<b>67.000</b>  <b>+13%</b> <b>43%</b>	Employees in the pharmaceutical industry (+9% compared with 2016). University and high school graduates represent 90% of the employees  increase of women and under 35s in the last 5 years female employees out of the total, far more than other fields (29%) with leading roles
<b>1st place in the industrial sector in Italy for:</b>	<ul style="list-style-type: none"><li>✓ Open Innovation &amp; Innovation deals between universities and public research centers</li><li>✓ Value added per employee and internationalization rate</li><li>✓ Training, corporate welfare and parenting support</li></ul>

# MedTech Industry in numbers

- 4.546 companies at the national level (1.643 focused on distribution and 380 on production and distribution)
- 94% SMEs
- 112,534 employees
- 10.8 billion euro is the Italian Market Value

## IL SETTORE DEI DISPOSITIVI MEDICI E I SUOI COMPARTI



Fonte: elaborazioni Centro studi Confindustria Dispositivi Medici 3

# Life Sciences Industry in Lombardia Region

*A general overview*

# Lombardy Life Sciences

**12,8%** of the  
Regional GDP

Over **1.850**  
companies, plants  
and health care  
organizations

**50%** of the  
national  
clinical trials

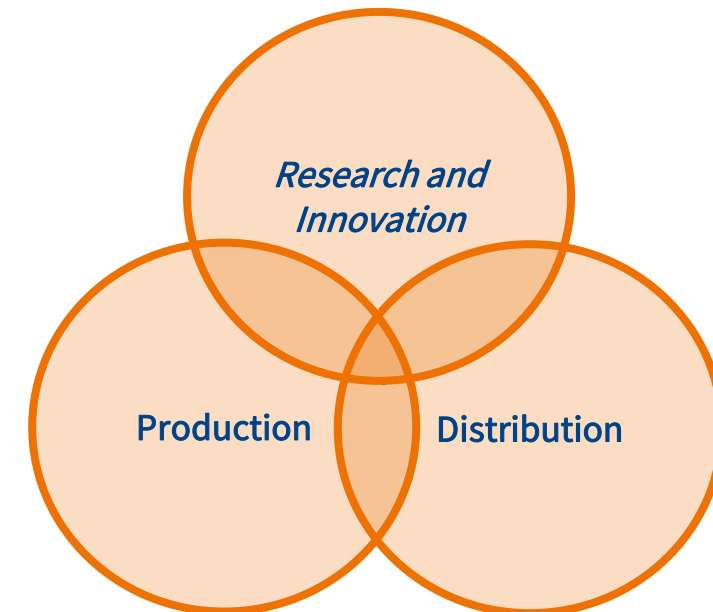
**14**  
Universities

**32** research  
centers and  
**6K**  
researchers

# Three focus areas of Lombardia Ecosystem

## Key figures of the Life Sciences Value Chain

- **260 pharma companies** (of whom 66 biotech companies and 12 biotech production plants) with a consistent number of CDMO (over 15 competitive players)
- **1.394 medical device companies** (representing biomedical, IVDs, digital health, orthopaedic devices, ...)
- **20 IRCCS (Hospitals and Scientific Research institutes)** operate in Lombardy, focusing on cardiology, oncology, rehabilitation, neurology, molecular medicine, psychiatry, rare diseases, musculoskeletal disorders



# Health and Research Centers: Excellence Areas

*Main focus of Lombardy  
Public and Private  
Research Centres (IRCCS)*

**CARDIOLOGY**

**ONCOLOGY**

**REHABILITATION**

**NEUROLOGY**

**MOLECULAR MEDICINE**

**MENTAL HEALTH**

**RARE DISEASES**


**MUSCULOSKELETAL DISORDERS**

# Human Technopole Foundation



- Located inside Milan Innovation District MIND, Human Technopole (HT) is a large-scale, government-funded, **research infrastructure** that contributes to **improving human health** and well-being by developing new approaches to personalized and preventive medicine.
- Once fully operational the institute will employ **1,500 people including over 1,000 scientists** across a range of fields: biology, bioinformatics, chemistry, engineering, mathematics and computer science who will have over 35,000 square metres of laboratory space
- **Prof. Iain Mattaj** is the **Director** of the institute since January 2019.

## Research Areas

- 
- **Research Centres**
  - **Genomics**
  - **Neurogenomics**
  - **Structural Biology**
  - **Computational Biology**
  - **Analysis decisions and Society**



# The Italian Life Sciences Network

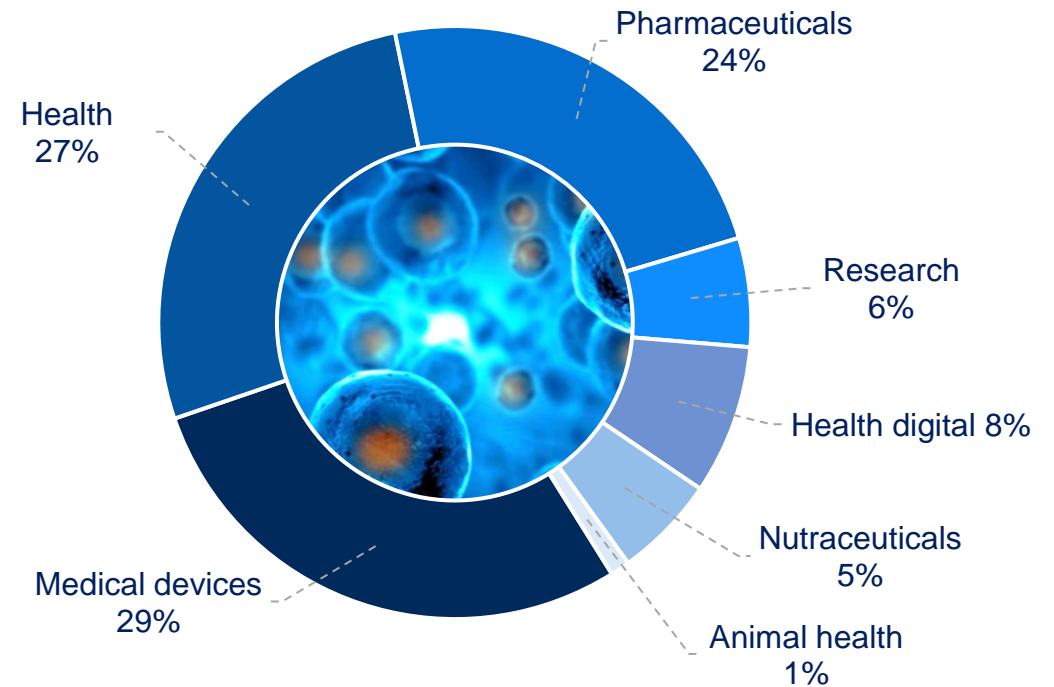
# Our Partners for Life Sciences Evolution



# Our Life Sciences Members

# The companies of the Life Sciences Hub

- **Assolombarda brings together about 6,800 companies operating in the areas of Milan, Monza and Brianza, Lodi and Pavia, which employ over 409,800 employees**
- **The Association represents about 750 companies operating in the Life Sciences**



# The Life Sciences Advisory Board

## President

Sergio Dompé - Vice President of Life Sciences - Dompé  
Farmaceutici

## Components

- ❖ Gianfelice Rocca - Humanitas
- ❖ Fabrizio Grillo - Bracco Group
- ❖ Alessandra Gelera - Coordinator of the Life Sciences Sector - Boston Scientific
- ❖ Giuliano Faliva - President of the Therapies and Technologies for Life Section of the Chemical Group - Bracco Group
- ❖ Ivan Michele Colombo - Humanitas
- ❖ Gabriele Pelissero - Lombard Life Sciences Cluster
- ❖ Marco Rotelli - San Donato Group
- ❖ Michele Perrino - Medtronic Italy
- ❖ Lorenzo Wittum - Astrazeneca
- ❖ Gianluca Vago - CNAO
- ❖ Maurizio Colombo - Sapio Group
- ❖ Luigi Mazzei - Edwards Lifesciences Italy

The Advisory Board represents the strategic board of the Association in the field of Life Sciences as it acknowledges the requests of the associated companies and, on the basis of the needs of the entrepreneurial fabric, defines the strategic lines of action of Assolombarda in the field of Life Sciences .



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