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# BIO International Convention 2024

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## Life Sciences Ecosystem

In the Milano Metropolitan Area

**YESMILANO**

# Milano Life Sciences Ecosystem

Located in Lombardy, EU's second largest Pharmaceutical region with a total Life Sciences production worth **€74.5 bln** and **347,000 employees**, Milano is home to over **250** pharmaceutical and biotechnology companies (32% of the national total). The area hosts **19 state of the art research hospitals**, international Biotech accelerators and incubators, and 2,912 innovative startups while its region is home to 1,394 medical devices companies (31 % of the national total). Milano contributes to **31% of the Italian registered patents** in the EU (4 patents per day were registered on average in 2020).

**Four main fields of activity can be identified in the area** related to Life Sciences:

- **Industries:** pharmaceutical ingredients, drugs, medical devices, biotech research services, industrial gases for medical use
- **Commerce:** wholesale and retail commerce of pharmaceutical products, medical devices and other healthcare items
- **Health services:** hospitals, dental and assistance services
- **Research:** Milano boasts a specialization in Oncology, Immunology, Gastroenterology, Orthopedics, Neurology, Rare Diseases, and Cardiology, among others. Top research institutes include research hospitals (IRCCS) such as Carlo Besta Research Hospital, which ranks 15th worldwide for Neurology, the European Institute of Oncology (16th for Cancer research), San Raffaele Hospital (24th for Endocrinology), Humanitas Hospital (21th for Gastroenterology), and Galeazzi Hospital (27th for Orthopedics), with interesting collaboration and investment opportunities in clinical trials, patents, drugs development, and spin-off startups.

The Region accounts for:

- €432 mln spent in **R&D** (30.3% of the national total)
- 303 **experimentations** conducted (32.9% of the national amount)
- 6,270 **scientific papers** published
- **1/5** of the national **employees** in the **Biotech** industry
- 115,210 skilled **healthcare workers**

Finally, Milano boasts a strong talent pool. Its **11 top-ranked universities** enroll >220,000 students, with internationally renowned universities in the fields of Pharmaceuticals&Pharmacology, Chemical Engineering, and Business&Management.



Proposer

YesMilano

Area of activity

n.a.

# MIND - Milano Innovation District

**MIND - Milano Innovation District:** born on the premises of the former EXPO 2015 area, MIND is a 1 mln sqm district entirely dedicated to innovation and science, capable of attracting international excellences and promoting Italian technology and culture in an extraordinary location which will reach a 60,000 people daytime population by 2032. The site offers offices, laboratories, university departments and commercial facilities for Life Sciences, Food, Green Energy and Tech companies willing to set up in an ecosystem rich of innovation and contamination opportunities where sciences does not belong only to laboratories. Research investments and partnership opportunities are also offered by MIND Anchors:

**Human Technopole,** Italy's research institute for Life Sciences. Located at MIND, HT is a state-of-the-art R&D center for Genomics, Neurogenomics and Computational Biology, which already employs >350 international researchers and renowned scientists from 30 countries. Equipped with a datacenter of 100 petabytes, unique supercomputers and cryomicroscopes, it aims at becoming one of the world's most advanced institutes for genomics, neurodegenerative diseases and personalized medicine.

**IRCCS Galeazzi-Sant'Ambrogio Hospital:** the new 600-bed facility was inaugurated in August 2022, combining the excellence of Galeazzi Hospital in Orthopedics (25th worldwide) with Istituto Clinico Sant'Ambrogio's expertise in the cardio-thoracovascular and bariatric fields. With its opening, the District became also place of care, attracting resources and strategic projects aimed at shaping the healthcare of the future.

**University of Milano:** the University will relocate all its scientific departments (>20,000 students), labs and incubation programs in the District by 2030.

**Federated Innovation @MIND:** about 40 global corporations federated under a new legal entity, working together in a virtuous and collaborative environment, to accelerate the translation of ideas into new products, processes, and services. A structured system of interaction aimed at TT and open innovation between universities, research bodies and companies, is organized in different thematic areas with access to research infrastructure, know-how, funds and networks.

**Berkeley SkyDeck Europe Milano: Berkeley SkyDeck,** the global startup accelerator of Berkeley University, chose MIND as its **first HQ outside of Silicon Valley**. Officially launched in February 2022 and powered by Cariplo Factory, the program aims at accelerating 60 startups in 3 years with two 6-month batches annually.



**Requested investment**

*n.a.*

**Target investor**

*The opportunity is available both for startups and corporates willing to expand in the area as well as for investment funds*