

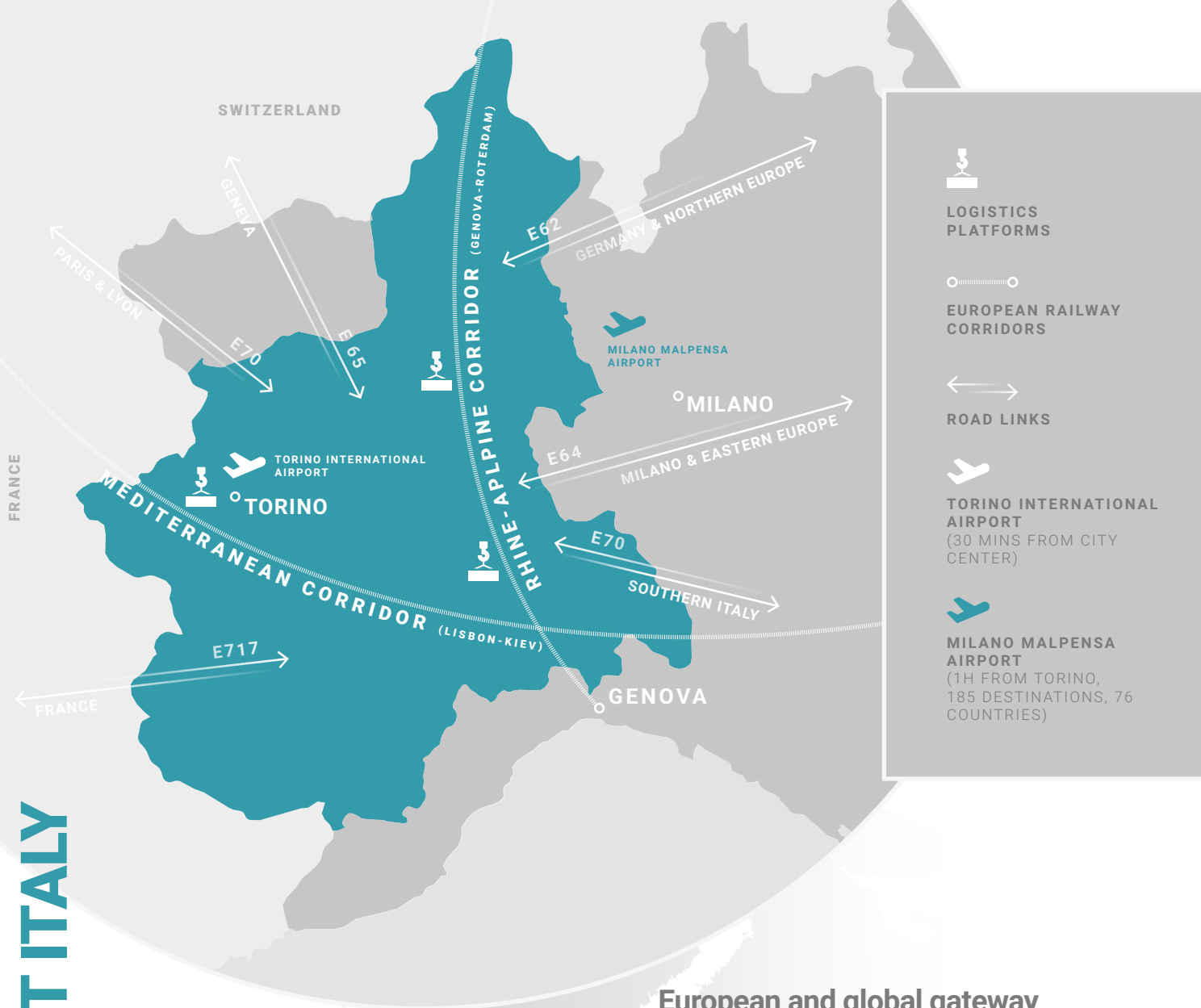


Engaged in Life  
Engaged for Life

**LIFE SCIENCES**



# PIEMONTE, NORTH-WEST ITALY



## European and global gateway

Piemonte is strategically positioned at the heart of the European development system, right at the crossroads of the main routes between the North-South, East-West. As part of the European Union, companies located in Piemonte have duty free access to more than 30 national markets within the European Economic Area and to the world's richest consumer market of 500 million people, over 330 million of whom work in the single currency.

Italy is Europe's 2<sup>nd</sup> largest manufacturer and in the last 30 years has always ranked in the World's Top 10 Manufacturers. Piemonte has strongly contributed to this success, demonstrating to be one of the manufacturing engines of Europe. It produces about 8% of Italy's national wealth, and its production system has reached high levels of excellence and tertiary sector expansion. Piemonte is a promising and competitive business area. The region is as dynamic in industry as in services, with a skilled, flexible and versatile workforce.

POPULATION

**4.4 m**

(7.3% OF THE NATIONAL TOTAL)

PEOPLE LIVING IN TORINO AREA

**2.3 m**

(52% OF REGIONAL TOTAL)

OVER

**1k towns**

AND 8 MAIN CITIES

EXPORT

**€47.9 bn**

(11.1% OF THE NATIONAL TOTAL)

GDP

**€127 bn**

(7.8% OF THE NATIONAL TOTAL)

COMPANIES

**436,043**

(7.2% OF THE NATIONAL TOTAL)

OVER

**1.8 m**

PEOPLE EMPLOYED

(8% OF THE NATIONAL TOTAL)

ABOUT

**€1 bn**

TO BOOST REGIONAL  
COMPETITIVENESS

PIEMONTE RANKS

**4<sup>th</sup> in Italy**

FOR EXPORT QUOTA

Recent data confirm that Piemonte is a leading Italian region in R&D. Companies expenditure in R&D: 1.42% of GDP (national average of 0.65%), with a number of workers in R&D of 6.2 per 1,000 inhabitants (national average of 4.0) and an increasing IP impact, with a number of 137.6 patents registered per million inhabitants (national average of 83.6) (Source: Istat 2017).

**200**

private and public  
R&D centres, 7  
Innovation Clusters,  
4 Science &  
Technology Parks

**1<sup>st</sup>**

Italian region in terms  
of private investment  
in R&D

**2<sup>nd</sup>**

Italian region in terms  
of innovative SMES\*

**3<sup>rd</sup>**

Italian region for  
hi-tech patents

\* European Cluster  
Observatory 2018

**7**

Innovation Clusters

**Polo AGRIFOOD** — Agrifood - [www.poloagrifood.it](http://www.poloagrifood.it)

**BioPmed** — Life Sciences and Health - [www.biopmed.eu](http://www.biopmed.eu)

**CGreen** — Green Chemistry and New Materials - [www.cgreen.it](http://www.cgreen.it)

**CLEVER** — Energy and Clean Technologies - [www.poloclever.it](http://www.poloclever.it)

**MESAP** — Smart Products and Manufacturing - [www.mesap.it](http://www.mesap.it)

**Pointex** — Textile - [www.pointex.eu](http://www.pointex.eu)

**Polo ICT** — Information Communication Technologies

[www.poloinnovazioneict.org](http://www.poloinnovazioneict.org)



## Engaged in life, engaged for life

Life sciences - specifically biotechnology, pharmaceuticals and medical devices - represent one of the most promising hi-tech industrial sectors with a significant growth potential in the medium to long term. Piemonte is playing a pivotal role at the national and international levels. It is featured by a **top public healthcare system** endowed with first level know-how: Piemonte is leader in Europe in Organ Transplantology and excels in the fields of Oncology and Cardiology. Its super **performing academic system** is headed by the University of Torino and University of Eastern Piemonte, both leading institutions in all medicine-related departments, together with Politecnico di Torino they offer an efficient academic nucleus closely interlinked with the entrepreneurial environment and guarantee top class innovation and technology transfer. On top of this, the Regional Technological Platforms and the Innovation Hubs are drivers of innovation and research programmes involving the public system, big players and companies: successful results in terms of new medical applications, diagnostics, medical sensor technology and automation arise from this efficient cooperation. Last but not least, Piemonte boasts a fertile and diversified industrial backbone, where traditionally strong sectors are developing new technologies and remedies: more precisely Piemonte's agrifood sector is more and more involved in the nutraceutical field as well as mechatronics, robotics and ICT companies are focusing on new qualifying equipment and solutions. In Piemonte, the network of research centres, multinational companies and SMEs, is a **cluster of innovation, education and technology transfer** and is the core of a robust, interlinked system active in pharmaceuticals, biotechnology, wellness and health massively supported by converging technologies. Piemonte ranks high in Europe as a **strategic partner for cooperation, R&D and investments** in the life sciences and converging technologies sector, making the region a powerful location for scientific and industrial partners and for new businesses to set up operations.

more than

**400**

companies operating  
in the life sciences field

almost

**10k**

employees  
in 21 multinationals

**21**

multinationals  
in the life sciences field

over

**250**

companies specifically  
in the healthcare and medtech  
supply chain

**4<sup>th</sup>**

Italian region with  
52 companies in the  
biotechnology field\*

**820**

research groups of which 60%  
in healthcare and medtech  
fields scientific production

**3**

Public Universities

**1**

Science & Technology Park  
dedicated to biotechnology:  
*Bioindustry Park Silvano  
Fumero*

**1**

Innovation Cluster  
for biotechnology:  
*bioPmed*

\*Source: Assobiotec, Report BioInItaly 2018

### Among Piemonte's leading key players

Advanced Accelerator Applications Srl (AAA) A  
Novartis company, Ephoran, Huvepharma, Ab Sciex,  
Agilent Technologies, Bracco Imaging, Merck Serono,  
Sicor (Teva), Diasorin, Delpharm, Llvanova, Olon,  
L'Oreal, ELitechGroup, CID – Carbonstent & Implantable  
Devices, Sienna Biopharmaceuticals, Unicyte Fresenius,  
TrovaGene, im3d, Consort Medical, Horizon Discovery


### PRIVILEGED POSITION

Piemonte counts on its strategic position  
right in the heart of one of the most  
dynamic biotech areas in Europe. Its  
proximity to other highly developed  
European regions, such as Lombardia  
in Italy, Rhône Alpes in France and the  
Geneva-Lausanne region is yet another  
plus for Piemonte: the region is located  
in the heart of this macro-area and is  
increasingly viewed as an international  
point of reference for widespread,  
synergic and shared development in the  
life sciences and healthcare sectors.



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# HEALTH TECHNOLOGY PLATFORM

With the support of the ROP-ERDF 2014-2020 funds, Regione Piemonte promoted, the **Health Technology Platform**, a program worth almost € 50 million of public and private investment that involved 7 large international companies, 13 research institutes and 31 SMEs. **Five industrial R&D projects** strongly supporting a converging technologies approach into the life sciences sector were financed:

The project **ReHome** focuses on neurodegenerative pathologies such as stroke, mild cognitive disorder, Parkinson's disease, which present similar deficits and common therapeutic pathways. It aims at the implementation of ICT solutions, such as augmented and virtual reality, for remote rehabilitation of cognitive and motor disabilities from neurological disease.

**CANP** develops an integrated ICT platform for big data collection and analysis from heterogeneous sources ranging from medical IoT sensors and behavioral data to electronic health records. CANP project will assemble and built an entire ecosystem of services, processes, devices and algorithms to assist both the patients and the healthcare personnel for a more effective and data-driven hospitalization at home.

**BIO-e-MAGO** - BIObanking and Electronic Records for iMAging and Genetics in Oncology - is a research project based on the construction of bio-bank platform for the collection of biomedical images and tissues aiming for the creation of new IT tools dedicated to the development of clinical, pharmacological and service solutions in early diagnosis on breast and colon-rectal tumors.

**DEFLeCT** – DigitalTechnologyForLungCancerTreatment integrates the diagnostic procedures with the most innovative genetic -molecular approaches: it applies statistical and quantitative models within a digital platform able to harmonize and enhance the content of all the information provided from different sources.

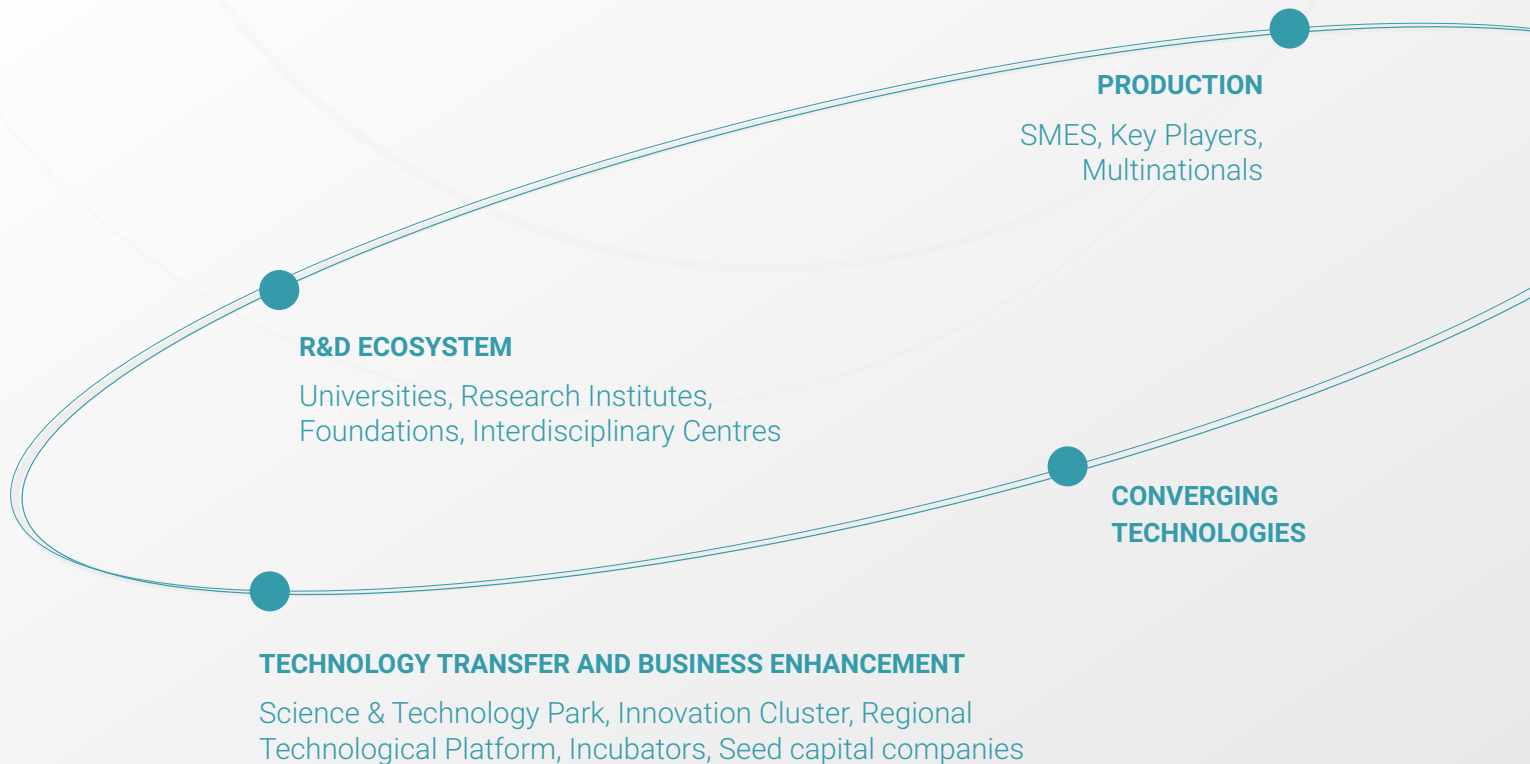
The **EV-ER** project aims at developing GMP production techniques of large-scale extracellular vesicles with potential therapeutic application using the Cell Factory of the Molecular Biotechnology Center of the University of Torino: the objective is to develop new drugs for chronic hepatic and renal diseases.



## Did you know?

The **Torino City of Health & Science** ranks **second in Italy with over 330 transplants performed in 2017** according to the latest data released by the National Transplant Center of the Italian Health Ministry. This top performance is confirmed in the field of **liver transplants** for which Torino firmly maintains the **primacy in the country**. In over 30 years of activity, the Regional Transplant Center has overall carried out over 9,000 transplants confirming itself as a leading center in Italy and in Europe.

# A COMPLETE AND INTEGRATED LIFE SCIENCES SYSTEM



Piemonte is highly active in the development of research projects in different technological fields thanks to a dense hub of public institutions, universities, research organisations (public, private and in partnership), professional associations, higher training centres, private and public foundations and a close network of enterprises, from start ups to innovative SMEs and large multinational groups.

## THE R&D ECOSYSTEM

Piemonte universities carry out international scientific research programmes and projects and are main drivers for the development of the ecosystem in the region. Universities have integrated interdisciplinary competences within centres focused on specific fields applying a converging technology approach.

The Piemonte public health system offers a robust, high quality service organized into 3 major public hospitals, 3 University research and teaching hospitals, more than 70 clinics organised into 12

local health hubs (ASL) with nearly 60,000 workers and more than 20,000 beds. Complemented by and in collaboration with IRCCS (Research and Health Service Institutes), centres of excellence and specialised networks, both national and international, Piemonte's public and private healthcare system goes a step beyond the ordinary activity with cutting-edge research and initiatives and offers the possibility to conduct clinical trials in connection with research institutions.

## Research Institutes, Foundations and Interdisciplinary Centres

### UNIVERSITY OF TORINO – MOLECULAR AND PRECLINICAL IMAGING CENTRES

The University of Torino is very experienced in the field of medical imaging both preclinical and clinical and has a long experience in the synthesis and physical-chemical characterisation of contrast agents specifically for applications in life sciences research and diagnostics. In 2001 the fruitful collaboration between chemists, biologists and medical doctors led to the foundation of the Centre for Molecular Imaging (CIM - [www.cim.unito.it](http://www.cim.unito.it)). Since 2009 it hosts a research unit of the Institute of Biostructures and Bioimages (IBB) of CNR and since 2016 it coordinates the activities of the Euro-BioImaging ([www.eurobioimaging.eu](http://www.eurobioimaging.eu)) multi-sited "Multi-Modal Molecular Imaging Italian Node" (MMMI) ([www.mmmi.unito.it](http://www.mmmi.unito.it)). In 2004 the Clinical and Experimental Centre for Functional Magnetic Resonance Imaging (CCS-fMRI) ([www.cim.unito.it/website/research\\_CCS\\_fmri.php](http://www.cim.unito.it/website/research_CCS_fmri.php)) was set up: it is dedicated to clinical and experimental neuroscience research.

The Molecular Biotechnology Centre (MBC) ([www.mbc.unito.it](http://www.mbc.unito.it)) pursues an interdisciplinary approach to biomedical research and is actively involved in biotechnological research in the field of biomedical sciences, with specific focus on the study of the molecular mechanisms at the basis of physio pathological processes that have a great impact on human health, such as cardiovascular diseases, inflammation, cancer and stem cell biology.

The MBC hosts: the IIGM-Italian Institute for Genomic Medicine, the Centre for Molecular Imaging (CIM), the Centre for gene transfer, the Centre for the production of recombinant proteins and antibodies, the Centre for Bioinformatics and the Stem Cell Centre - dedicated to clinical applications. It also hosts the Technology Transfer Centre which fills the gap between academia and industry by building relationships with biotechnology companies. The MBC is expanding its headquarters in a new building. [www.unito.it](http://www.unito.it)

### UNIVERSITY OF EASTERN PIEMONTE – INTERDISCIPLINARY AND INTERDEPARTMENTAL CENTRES

The University of Eastern Piemonte founded in 2002 the Interdisciplinary Centre for Research on Autoimmune Diseases (IRCAD – [www.diss.uniupo.it/ricerca/centri-interdisciplinari/ircad](http://www.diss.uniupo.it/ricerca/centri-interdisciplinari/ircad)) to develop basic and applicative research aimed at studying the mechanisms that cause autoimmune diseases and the development of new diagnostic tests and new therapeutic approaches, with interdisciplinary collaboration with specialized laboratories. [www.uniupo.it](http://www.uniupo.it)

### POLITECNICO DI TORINO - INTERDEPARTMENTAL CENTRES

The Politecnico di Torino has embraced the challenge to transform from occasional to systemic the interdisciplinary collaboration in life sciences between different technological and scientific fields. Some examples of Centers involved in these research areas:

- the Laboratory for Engineering of the Neuromuscular System (LISiN) ([www.lisin.polito.it](http://www.lisin.polito.it)), a research laboratory of the Department of Electronics and Telecommunications, a reference for the study of the neuromuscular system in the world.
- the PoliToBio Med Lab, which creates a platform where scientific experts from Politecnico cooperate with bioengineers who have in-depth knowledge of their subject and a professional multidisciplinary approach. The Center's objective is to develop research and innovation activities in order to tackle the social challenge of promoting the health and wellbeing of all citizens throughout their entire life.

[www.polito.it](http://www.polito.it)



## HPC4AI

The University of Torino and the Politecnico di Torino jointly created together with key research institutions like ISI Foundation, Human Technopole, Italian Institute of Technology and 30 companies (IBM, Cisco, TIM, FCA, Leonardo, etc.) the High-Performance Centre for Artificial Intelligence, a competence centre on High-Performance Computing (HPC), Artificial Intelligence (AI) and Big Data Analytics (BDA). It supports the research and technology transfer needs with the infrastructures and expertise on the issues related to data-centric computing and its applications. The Centre aims at facilitating scientific research and engineering in these areas in many different sectors also providing a large, highly accessible and robust storage space for the research in the life sciences sector, particularly in the field of deep health.



### THE CANDIOLO CANCER INSTITUTE

It is a private non-profit institution, recognized as IRCCS (Research and Health Service Institute) by the Italian Ministry of Health. It is a biomedical and clinical research centre entirely devoted to the study and the treatment of cancer through cutting-edge scientific research and clinical practice. With more than 100 international researchers, its mission is translational medicine, i.e. to transfer experimental preclinical information into clinical practice, bridging the gap between basic and clinical research. The Institute houses one of the five Italian Centres for Advanced Scientific Research established in 1997 by the G. Armenise - Harvard Foundation, devoted to the study of signal transduction in normal and cancer cells.

[www.irccs.it](http://www.irccs.it)

### THE NATIONAL RESEARCH COUNCIL - CNR

It offers a set of R&D laboratories located in 5 different interdisciplinary Institutes (ISMAR, IBB, IPSP, ISPA IEIT), with more than 170 researchers, specialized mainly in medical imaging, phytovirology, proteomics and agri-food, immunogenetics, oncology, mycology, robotics and bioengineering.

[www.area.to.cnr.it](http://www.area.to.cnr.it)

### THE ITALIAN INSTITUTE FOR GENOMIC MEDICINE (IIGM)

It sustains and boosts advancement in human genetic research and in education, with a priority focus on genomic variability in multifactorial genetic pathologies. IIGM, occupies a single facility, located at the Molecular Biotechnology Centre (MBC). According to an innovative organization model, it integrates molecular, cellular, developmental and population genetics, combining theoretical approaches and state-of the art technological platforms. The key research topics at IIGM are: molecular and genetic epidemiology, genetic variability in human population, immunogenetics, epigenetics and computational biology

[www.iigm.it](http://www.iigm.it)

### THE BIOTECHNOLOGY FOUNDATION OF TORINO (FOB)

It is dedicated to disseminating knowledge, stimulating education and supporting research in the field of biotechnology with regard to health services, agriculture, nutrition, environmental protection and conservation and the protection and conservation of cultural heritage.

[www.compagniadisanpaolo.it/eng/Major-Projects/Torino/Fondazione-per-le-Biotecnologie](http://www.compagniadisanpaolo.it/eng/Major-Projects/Torino/Fondazione-per-le-Biotecnologie)

### THE ISI FOUNDATION

The ISI (Institute for Scientific Interchange) is a private foundation developing scientific research in the field of international cooperation, encouraging the creation of research groups and innovative and interdisciplinary laboratories, with particular attention to the science of complex systems.

[www.isi.it](http://www.isi.it)

### THE NEUROSCIENCE INSTITUTE CAVALIERI OTTOLENGHI FOUNDATION (NICO)

It performs research in the field of neuroscience by combining the study of normal structure and function of the nervous system, the related pathological and degenerative processes as well as mechanisms of regeneration and repair with a specific interest in prevention, diagnostics, and cure of neurological disorders.

[www.nico.ottolenghi.unito.it/](http://www.nico.ottolenghi.unito.it/)

### THE NIT- NEUROSCIENCE INSTITUTE OF TORINO

It promotes and runs experimental, theoretical and applied research in the field of the neurosciences, from the study of the cellular and molecular bases of the nervous system to the analysis of advanced integrative and mental activity functions, in normal and pathological conditions.

[www.centronit.unito.it](http://www.centronit.unito.it)



## Did you know?

**Piemonte ranks first in Italy for the quality of health services**, according to the latest monitoring by the Italian Ministry of Health provided in the **LEA Grid** (Essential Levels of Assistance) related to the year 2017. The LEA Grid is the annual monitoring of the essential levels of assistance offered by the individual regions. The indicators verify the quality of the prevention activity, of the territorial and hospital assistance.

## Incubators

### I3P

It is a non-profit, joint stock consortium company that manages the Incubator for Innovative spin-offs of the Politecnico di Torino, which promotes and supports the creation of hi-tech enterprises, building on the innovative potential developed in research institutions across the territory.

[www.i3p.it](http://www.i3p.it)

### 2I3T

It is a consortium company that manages the technology incubator of the University of Torino, specialised in the chemistry-pharmaceuticals and biotechnology fields, providing start-ups with equipped labs and cutting edge shared facilities.

[www.2i3t.it](http://www.2i3t.it)

### ENNE3

It is the enterprise incubator of the University of Eastern Piemonte located in Novara promoting and developing technologically

innovative business projects, with particular attention to the territory of Eastern Piemonte.

[www.enne3.it](http://www.enne3.it)

## Seed capital companies

### INNOGEST

It is a seed and venture capital fund supporting the most promising Piemonte-based medtech companies

[www.innogestcapital.com](http://www.innogestcapital.com)

### INVESTORS CLUB

It is an association of more than 150 entrepreneurs, professionals and managers who invest in innovative start-ups and small businesses with a high potential of growth.

[www.clubdeglinvestitori.it](http://www.clubdeglinvestitori.it)

**Piemonte Health & Wellness** is a special project promoted by Regione Piemonte, financed by ERDF – European Regional Development Fund and managed by Piemonte Agency, providing international players a free preferential channel to meet and start business with top class aerospace selected enterprises based in Piemonte, Italy. The Team makes an assessment of buyers' needs and technicians' requirements from all over the world and provides them with:

- top class skills and unique manufacturing know-how
- capable suppliers who can deliver on time high-quality parts and products at competitive prices
- technologically qualified and competitive supply chains sharing commercial objectives, target clients and strategies
- technical working groups where local enterprises and foreign companies work together to develop projects aligned to the expectations of their international players.

The project Team's assistance is supply chain focused and completely free of charge.

For more information regarding the life sciences sector in Piemonte and its business opportunities: [lifesciences@centroestero.org](mailto:lifesciences@centroestero.org)



Regional policy for smart, sustainable and inclusive growth

INTEGRATED SUPPLY CHAIN PROJECTS ARE CO-FINANCED WITH EUROPEAN REGIONAL DEVELOPMENT FUND



## Did you know?

Out of about 14,000 companies producing cosmetics in the world, about 1,000 are based in Italy and about 100 of them are in Piemonte. Despite the relatively small size of the businesses, **the cosmetics sector in Piemonte can satisfy needs of very different kinds**: the high levels of specialisation of the companies is combined with a great variety and completeness in their production potential also towards new frontiers, such as **neutraceuticals**. Piemonte's cosmetics and wellness sector is oriented towards **social responsibility and environmental sustainability**, being totally aligned with international market trends and playing an important role in terms of product innovation concerned with biological and natural ingredients and introducing a new consumer experience based on personification and Made in Italy quality.

## New teaching and research hospitals in Torino and Novara



### The attractiveness of two world class hospitals

Piemonte is implementing the future of medicine-related sciences. The cities of Torino and Novara will be the centre of this innovative renovation thanks to their New Teaching and Research Hospitals that will position Piemonte's regional healthcare system, the medical-scientific research and life sciences and human health related sectors, among the international leaders.





# TORINO NEW TEACHING AND RESEARCH HOSPITAL

The New Hospital will be at the forefront of innovation in terms of design and interaction between the patient care, R&D and teaching: high quality care and teaching will be integrated with the healthcare system.

The creation of **4 functional centres**, all closely interconnected, will provide:

1. **A Healthcare and Clinical Training Centre:** 127,000 sqm, of which 5,000 sqm are dedicated to clinical training, and a total capacity of 1,040 beds
2. **A Research Centre:** 10,000 sqm designed for about 1,000 people and shared by teachers, assistants, doctoral students and auxiliary staff
3. **A Teaching Centre:** 31,000 sqm designated for one cycle master degree programs, three-year degree courses and specialist degree courses in medicine or health professions for a total of 5,000 students
4. **A Residential Centre:** 8,000 sqm offering short-term accommodation for temporary guests working or involved in activities in one of the centres (190 places) and for the discharged patients that still need temporary low-intensity care (30 places).

For more information: [investment@centroestero.org](mailto:investment@centroestero.org)

**The Torino New Teaching and Research Hospital** responds to a structural and organizational model that foresees high quality care and teaching which will be integrated with the health care system. It will house the complex activities and facilities that are currently present in the four major hospitals of Torino.

**The Torino New Teaching & Research Hospital** will also house the teaching and research activities of the Faculty of Medicine and Surgery of the University of Torino thus becoming an integrated hospital hub.

# NOVARA NEW TEACHING AND RESEARCH HOSPITAL

Main dimensional data:

- Total surface 172,000 sqm (basement 2, basement 1, mezzanine, first and second floor)
- Underground parking approx. 88,000 sqm for 3,100 parking lots
- 5 interconnected functions:
  - Hospital: 130,287 sqm
  - University facility: 14,666 sqm
  - Mother and Children Medical Center: 13,411 sqm
  - Services Building: 12,435 sqm
  - Business Incubator: 1,209 sqm

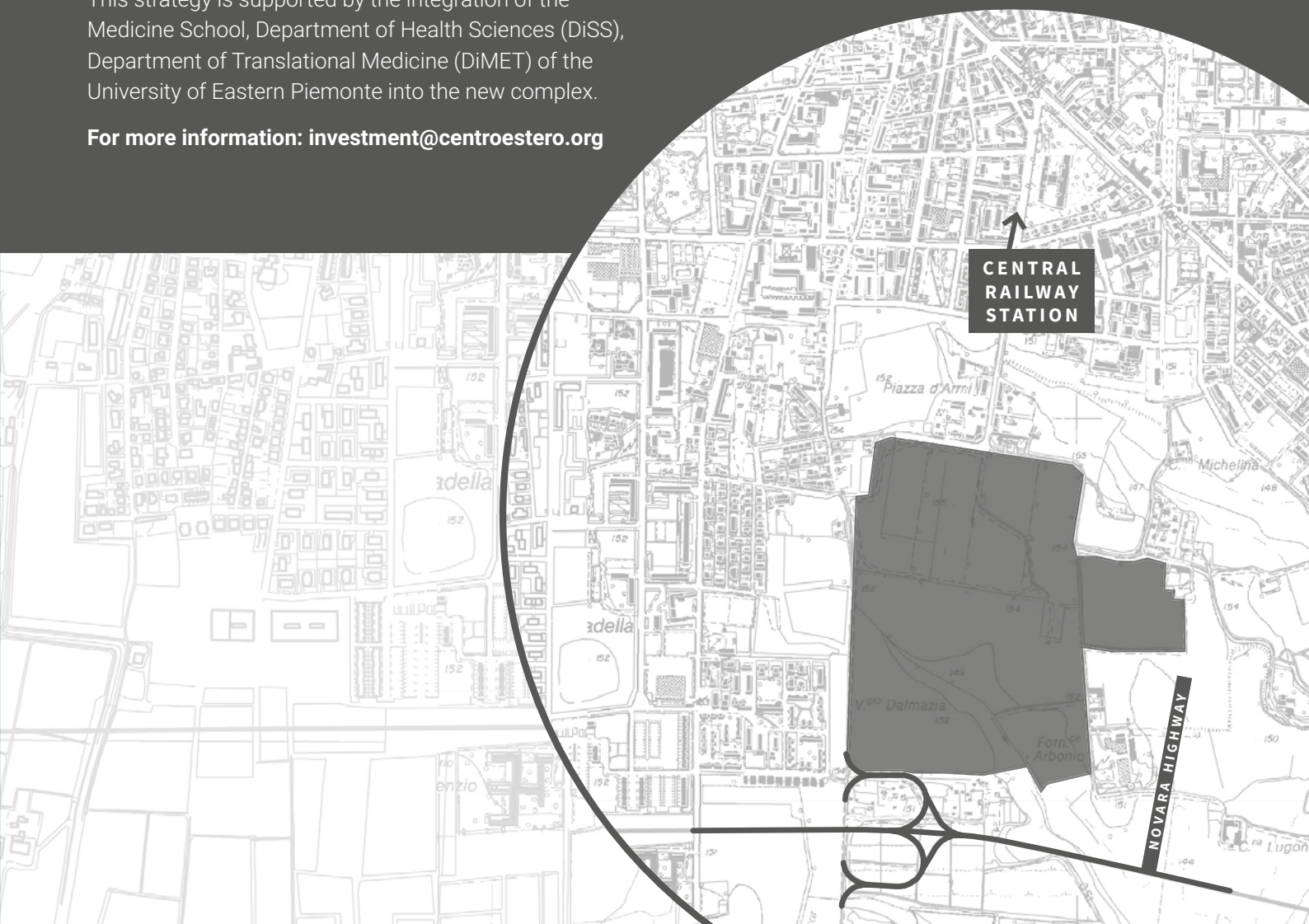
The Novara New Teaching and Research Hospital will be the opportunity to strengthen the cooperation with new and existing businesses, research and training centers aiming at creating value and distributing services.

This strategy is supported by the integration of the Medicine School, Department of Health Sciences (DiSS), Department of Translational Medicine (DiMET) of the University of Eastern Piemonte into the new complex.

For more information: [investment@centroestero.org](mailto:investment@centroestero.org)

**Novara**, a **strategically-located city** in Piemonte which is just 50 km away from Milano and very close to Malpensa International Airport, will be home to the second largest hospital in the region: the Novara New Teaching and Research Hospital.

The new hospital is designed as a territory-open facility that shall enhance the existing environment as primary component of the new and future city pattern.







## The converging technologies

The remarkable skills existing in Piemonte in sectors such as ICT, electronics and nanotechnologies - considered converging technologies - have favoured the development of significant results and expertise in bioinformatics, diagnostics, data sciences and biomedical equipment, micro and nanotechnologies. This synergy enriches the innovation ecosystem in interdisciplinary fields.

Moreover, several technological platforms already operating in the territory, such as automotive, aerospace, food farming, biotechnology and new consolidating ones, such as smart manufacturing, nanotechnologies, Internet Of Things, further bolster a converging technologies approach into life science sector.

Here are some actively involved R&D centres and institutes:

### LATEMAR

It is a Centre of Excellence funded by the Italian Ministry for Education, University and Research for public and private research facilities operating in strategic fields. It is an extensive laboratory coordinating basic research on the development of micro and nano-devices and sensors for genomics and post-genomics, in order to produce innovative materials, devices and characterization techniques for diagnostics and therapeutics in collaboration with R&D centres of highly qualified companies.

[www.latemar.polito.it](http://www.latemar.polito.it)

### NIS

The NIS (Nanostructured Interfaces and Surfaces Interdepartmental Centre) operates in the field of nanotechnologies of surfaces and interfaces and their technological application, with a special focus on energy,

sustainability of industrial processes, environment, cultural heritage and healthcare. It aims at bringing together multidisciplinary expertise (in the fields of chemistry, physics, biology, mineralogy) and the promotion of research, training and technological transfer activities.

[www.nis.unito.it](http://www.nis.unito.it)

### INRIM

The National Institute of Metrological Research is a public research centre focused on the development of the metrological science in the fields of biomedical applications, food, environment and energy to meet Italy's needs for its citizens' wellbeing and its environmental protection. A major sector is biomedical metrology, specifically with research projects on traceable measurements and mathematical models in the field of medical physics and biomedical sciences, including nanomedicine, the preparation of tissue mimicking materials, diagnostic quantitative MRI and the diagnostic and therapeutic techniques on micro and nanoscales.

[www.inrim.it](http://www.inrim.it)

### ISBM

Istituto Superiore Mario Boella is a research and innovation centre operating in the ICT domain. It also focuses on interdisciplinary strategic programs: smart energy, smart city and smart health. In cooperation with health care institutions and experts, ISMB is testing new solutions for personalized (PHS) and preventive healthcare, with a focus on remote monitoring, health-related data collection and presentation models, and support to the caregiving processes.

[www.ismb.it](http://www.ismb.it)

## Technology transfer and business enhancement

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Piemonte has an integrated system of 4 science and technology parks and 7 Innovation Clusters recently top rated at European level by the European Cluster Observatory. Together with the business incubators, they are an essential part of the regional system of innovation and technology transfer. In addition, the Health and Wellness Regional Technological Platform promoted by Regione Piemonte in the framework of the ERDF – POR 2014 – 2020 develops noticeable innovative projects and research programmes for almost € 50 million investment supporting cooperation among the public system, local companies and international players.

### BIOINDUSTRY PARK SILVANO FUMERO

It promotes and develops research in the biotechnology, healthcare and life science sectors. Fully operational since 1998, the Park is a driver for growth and a regional point of reference for businesses related to the life sciences and health. It is member of the ALISEI - Advanced Life Science in Italy ([www.clusteralisei.it](http://www.clusteralisei.it)), the Italian technology cluster. The Park directly coordinates the fulfilment of investments and management of the technical equipment, supports the implementation of R&D projects in the on-site companies, encourages the development of start-ups and spin-offs; provides infrastructures as well as scientific and advanced services, such as technology transfer, patent support, tutoring of start-ups and spin-offs, project management and financial support.

The Bioindustry Park community includes organizations, international partners and a top-level European cluster: 42 entities including 5 Corporate companies, 30 SMEs, 4 Research centres, 2 Associations and 1 Foundation are all hosted on campus premises. The pharma company Bracco Imaging has set up its own Research Centre in the Park, a unique facility in the Italian life sciences industry.

[www.bioindustrypark.eu](http://www.bioindustrypark.eu)

### BIOPMED

It is the Innovation Cluster for Biotechnology dedicated to healthcare related products and services. Established in 2009 by Regione Piemonte as part of the 2007-2013 POR-FESR programme, it is led by Bioindustry Park, which received the award *Gold Label for Cluster Management Excellence* by the European Secretariat for Cluster Analysis. It brings together companies, research centres, universities and foundations active in the fields of human health and life sciences, to promote the interaction between research and industry, stimulate innovation and accompany internationalization processes to improve company business and the competitiveness of the regional system. The Cluster provides dedicated funding for research projects and feasibility studies, specialized highly added value services and international professional networks to favour the convergence of public investments and individuals on common development trajectories.

[www.biopmed.eu](http://www.biopmed.eu)

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A community of about

**400**

among companies,  
research centres,  
universities and  
foundations

More than

**80**

organizations  
full members of the  
bioPmed Association

Over

**20**

strategic agreements  
for international  
cooperation

**60**

R&D projects  
completed

Over

**100**

training events  
organized

**25m€**

of regional co-funding  
collected

**16**

European projects  
activated

**3**

major international  
B2B events organized

source: [www.biopmed.eu](http://www.biopmed.eu)

EuroMedTech, BioEurope and Meet  
in Italy for Life Science

The Regione Piemonte has allocated € 1 billion to promote the growth and competitiveness of the whole territory within the Regional Operational Programmes (ROP) of the European Social Fund (ESF) and the European Regional Development Fund (ERDF).

Notably the ROP ERDF 2014/2020 represents the main financial source of the region's industrial policy which aims to achieve 3 main objectives: to maintain and enhance the existing industrial activities, to expand investments of the companies already active on the territory, to attract new businesses wanting to realise innovation and industrial development projects. All the regional incentives can be granted through a preliminary evaluation process managed by Finpiemonte (the regional holding company for the socio-economic development of the territory), which coordinates the procedures related to the assignment, delivery and monitoring of the subsidies promoted by Regione Piemonte and financed by European, national, and regional funds.

Piemonte is the 1<sup>st</sup> Italian region to have established a regional Agency dedicated to inward and outward investment

1<sup>st</sup> Italian region to have created a dedicated financial tool for attracting and financing foreign companies willing to locate in Piemonte: the Regional Investment Contract.

## Funding for **R&D**

- Setting up and strengthening labs and research centres
- Creating and developing start-ups
- Technology transfer from research to SMEs through Innovation Clusters
- Collaborative research on major challenges through Technological Platforms: Intelligent Factory, Life Sciences, Bioeconomics, Aerospace, Automotive
- Supporting industrialisation of research results (IR2 Call), through relevant investment programs aimed at industrializing the results of R&D activities already partially acquired





## BUSINESS MINDSET

With a long tradition in industrialisation and innovation, Piemonte found its R&D policies on the **Smart Specialisation Strategy** (S3), in the framework of the Cohesion Policy 2014-2020 and the Europe 2020 Strategy. The main goal of the Strategy is to strengthen the R&D system as one of the main pillars to foster entrepreneurial explorations in the most promising sectors. The Strategy aims to transform the traditional industrial sectors through the discovery of emerging and new sectors supporting new ideas, products, services and models in order to give new answers to social needs.

The subsidy system in Piemonte focuses on both the start-up of new initiatives and

on the development of existing companies. The subsidies, which can take the form of soft loans, grants or free-of-charge guarantee support to companies according to the European regulation on state aid and can vary according to the type of beneficiary, the kind of investment and the nature of expenses.

The system is one of the richest and most effective among the European developed regions, addressing to all the relevant industrial sectors, focusing in particular on research and innovation, manufacturing, sustainability and energy efficiency. The broad panorama of official sources and subsidised tools allows Italian and foreign businesses to cover the various stages of growth and development.

## Piemonte Agency

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To come to know about the local economic system, to get information on business opportunities in the area and to find a quality destination for direct investment, the Regione Piemonte offers an entry point: Piemonte Agency, the one-stop-shop to get in touch with Piemonte.

### THE AGENCY PROVIDES A COMPLETE RANGE OF FREE SERVICES TO FOREIGN COMPANIES:

- wishing to locate in Piemonte
- searching for suppliers and partners in a variety of sectors
- needing technical training on foreign trade

### THE AGENCY IS A RELIABLE PARTNER THAT GUARANTEES:

- responsive and tailored assistance at all stages of the investment project
- matchmaking of the regional production offer with the needs expressed by international markets
- targeted activities to connect highly qualified local companies with foreign partners
- training in the field of internationalization
- international cooperation projects

**Piemonte Agency** guarantees complete assistance to foreign companies willing to invest in Piemonte.

Piemonte Agency can advise on every aspect of starting and running a business in Piemonte, providing assistance at every stage of the project. In addition, the Agency acts as a liaison office between foreign investors and Public Authorities, academic/research networks, industry. Foreign companies interested in establishing a presence in Piemonte can find several investment opportunities such as R&D centres, M&A operations, technical partnerships and/or greenfield operations.

[investment@centroestero.org](mailto:investment@centroestero.org)

#### Piemonte Agency

Via Nizza 262 int. 56 | 10126 Torino - Italy  
tel. +39 011 6700511 | [www.centroestero.org](http://www.centroestero.org)



## Services for investors

### BUSINESS ASSESSMENT

- Insights on economic and industrial climate and key industries
- Market data and tailored information to launch your business
- Selection of potential partners
- Identification of service providers
- Detection of R&D projects and opportunities
- Identification of funding schemes, incentives and grants programmes, legal/labour/tax procedures

### BUSINESS SET UP

- networking with the local institutions, R&D networks, science and technology parks, innovation centres and universities
- support in obtaining authorisation, visas and permits
- advice on legal, financial and corporate structure in cooperation with the partner network
- selection of grants and incentives in cooperation with the partner network
- site selection and site visits
- help in recruiting specialised personnel onsite

### LOCATION OPPORTUNITIES DETECTION

Piemonte Agency performs real-estate selection and organises tailor-made visits.

### IDENTIFICATION OF INCENTIVES & GRANTS

Piemonte Agency provides help in identifying the most appropriate available incentives and grants for your business.

Divided by framework of application, appropriately combined, the incentives are able to cover the entire range of business investment expenses:

- start-up
- investments in machinery and plant
- equipment
- hiring and training of personnel
- research and development

The service is provided in collaboration with the Regional Government and Finpiemonte.





ITALY

# PIEMONTE

THE PLACE TO INVEST

[www.piemontetheplacetoinvest.it](http://www.piemontetheplacetoinvest.it)