



Biotech in Italy:  
selected areas of excellence

BIO  
TECH in ITALY

## THE BIOTECHNOLOGY DISTRICT IN TUSCANY



### GENERAL DATA

Technological Vocation	<i>Pharma /Biotech R&amp;D, production and commercialization</i>
Locations	Siena, Pisa, Firenze.
Region	Toscana
Main Players of the Area	<ul style="list-style-type: none"><li>■ <i>Tenants of the Technology Park Tuscany Region</i></li><li>■ <i>Siena Chamber of Commerce</i></li><li>■ <i>Siena Province</i></li><li>■ <i>Siena Municipality</i></li><li>■ <i>"Monte dei Paschi di Siena" Foundation</i></li><li>■ <i>Tuscany Life Sciences Foundation</i></li><li>■ <i>"Sbarro" Foundation</i></li><li>■ <i>Pisan University System</i></li><li>■ <i>Siena University</i></li><li>■ <i>University of Florence</i></li><li>■ <i>CNR-Italian National Research Council</i></li><li>■ <i>Istituto Toscano Tumori (ITT)</i></li><li>■ <i>Novartis Vaccines and other firms</i></li><li>■ <i>Kedrion</i></li><li>■ <i>Laboratori Guidotti</i></li><li>■ <i>Menarini</i></li></ul>



**Biotech in Italy:**  
selected areas of excellence



## TECHNOLOGICAL VOCATION

Despite being worldwide well known for its extraordinary natural beauty and historical heritage, Tuscany is also one of the most developed regions in Italy, thanks to an integrated economic system, an harmonious social organization and a strategic location in the Mediterranean basin that provide privileged access to national and European markets. The region ranks at the third place in Italy in terms on number of companies, employees and revenues in the Biotechnology sector. Tuscany's economy is, in Italy, one of the most open to foreign markets: in this region of 3,6 million people, representing 6.2% of the Italian population, export weight for the 7.3% of the Italian total and account to 26 billion Euros, as opposed to 19 billions Euros of imports. However, the high level of foreign trade is only one of the many examples of dynamicity and openness that characterize Tuscany, a region whose warm hospitality and open attitude towards the outside world are deeply-rooted in culture and have relevant positive impact on all tourist and industrial activities.

Tuscany welcomes foreign companies with valuable investment project, as proven by many investors with a base in the Region.

The region presents as notable concentration of Universities and Research centers, with Pisa, Florence and Siena, delivering yearly more than 9.000 graduates in scientific and technical fields. Beside Universities, several players are active in the Life Science in Tuscany, as National Research Council (CNR). Relevant top players as Novartis, Menarini, El.En, Boehringer Ingelheim, Eli Lilly, Abiogen have already chosen the Region as location for their business, exploiting all the advantages of working in a creative, flexible and exciting environment. Company investing in Tuscany can highly benefit from overall supporting environment: funds are available both from the private and the governmental side, technology parks provide high quality services for developing business, while more than 10 business incubators across the region support growth of small companies.

The biotech companies are mostly located in the provinces where the concentration of research centers is higher. Siena is the leading province, accounting for half of the companies. Abiogen and Philogen are the two main players active in the fields of muscle-skeletal, respiratory, diabetology, dermatology and angiogenesis-related disorders. *Red biotech* companies concentrate their efforts in the medical field. *Green biotech* companies are active in the agro-food field, like "Progetto Natura", which provides services aimed at guarantee the control of the food safety. *White biotech* companies operate in the industrial fields, like Genedia, which offers products as biomolecular kits to identify bacteria in the water. *Bio informatics* companies provides IT products and services to be applied to the biotech segment, as Proteogen, a spin-off of Pisa University, which provides consultancy services on the development of software for molecular biology.

Moreover, during the last few years, immunology has been one of the most innovative sectors in biomedical sciences, as it provides general models which have significant effects in physiological mechanisms. Immunology has changed biomedical research, clinical diagnostics and therapy. Therefore, immunology is one of the fundamental elements of the biotechnological revolution and enables the creation of specialised enterprises which operate in the health care sector and have found an ideal environment in the Siena district.



**Biotech in Italy:**  
selected areas of excellence



## CLUSTER PRESENTATION

In the Siena Area, either presence of a leading company in the biotechnology sector (which has strong roots in the area, a long tradition of collaboration with Siena University) and the activity of Monte dei Paschi di Siena (a very old financial institution which has always been involved in the local economy), supported the development of a strong network between the various players through the TLS Foundation (described later), which creates a channel with the biotech companies and the providers of specialised services and technologies. At local level, interaction between the various actors is not however limited to the Siena Area, but widened to a regional level, national and international level, as the extensive network of collaboration with other academic research center in Tuscany (for example: Toscana Life Sciences,

TLS Foundation supports joint activities with international partners aimed at developing the Italian biotech sector and in this contest companies established at the TLS Bio-incubator will also benefit of the international network to which the Science Park belongs: the International Association of Science Parks (IASP), the Council of European Bio-regions (CEBR) where most of the European Bio-clusters are represented, the National Institute for Health (NIH) in the US, the Italian Association for the development of Biotechnology (Assobiotech), the USA Embassy in Rome and Consulate General in Florence and Canada Embassy in Rome.

## THE BUSINESS SYSTEM

Tuscany has 201 companies in the life science sector, generating 3.4 Euro BLN. sales and employing over 13.000 people.

- Pharmaceutical industry in Tuscany accounts for 64 companies and 9.083 employees, with the largest six ones accounting for about 65%.
- Pharmaceutical companies are concentrated in three Tuscan provinces, with major focus on vaccines, haematology, anaesthesiology, pneumology and toxicology.
- Bio-tech firms are mostly concentrated in the provinces of Firenze and Siena, they are mainly active in red bio-tech segment (about 75%), then in green and white segment (10% for everyone) and finally a 5% in bio-informatics field.
- In Tuscany exists a strong presence of bio-medical company, with small & medium enterprises generating half of total revenues.



**Biotech**Italy:  
selected areas of excellence



Company	Technologies/Applications/Products
<b>Abiogen Pharma</b>	Abiogen Pharma is a medium size Italian company which is involved in R&D, marketing and manufacturing (also global contract manufacturing). Abiogen Pharma presents a brilliant R&D track record. In ten years the company has filed 8 IND applications both in Europe and in the U.S., completed 25 clinical trials and launched 16 new drugs on the Italian market.
<b>ALTA</b>	<p>ALTA is a service-provider company specialized in developing and managing scientific research projects. The mission of ALTA is to support research activities from concept to project implementation.</p> <p>ALTA assists in finding the proper strategy, building European Consortia, and putting science in the most appropriate administrative and management framework.</p>
<b>Areta International</b>	Areta International is a biotech company for the development of new bio-drugs as cells for cell therapy, monoclonal antibodies and recombinant proteins. Founded at the end of 1999 with fully private capital, the company has based its business model on the Quality System through the ISO 9001:2000 certification. Areta's activities and portfolio include ad hoc tools for R&D and diagnostics, process development, GMP production of batches in its authorized plant. Areta's innovative approach to manufacturing with disposable bioreactors allows a high quality tailor made supply of bio-drugs. The organization is flexible and project focused.



**Biotech in Italy:**  
selected areas of excellence



<b>BioFund</b>	BioFund is a “seed capital company” recently established by Fondazione Monte dei Paschi, Banca Monte dei Paschi, Finanziaria Senese di Sviluppo and Fidi Toscana, with the aim to sustain the financial needs of early stage companies established inside the TLS Science Park. BioFund acts as financial partner, acquiring equities of the start-ups operating in biomedical, pharmaceutical and biotechnological sectors and will also offer administrative and financial consultancy services.
<b>Boehringer Ingelheim Italia</b>	Il Gruppo Boehringer Ingelheim Italia sviluppa la propria attività nelle sedi di Milano, Reggello e Forno San Giovanni. Il settore Ricerca opera nel nuovissimo Centro Chimico situato a Milano. La Produzione chimica viene sviluppata da Bidachem S.p.A. a Forno San Giovanni dove si producono i principi attivi farmaceutici
<b>Ei.En.</b>	Ei.En. is the parent company of a high-tech industrial group operating in the opto-electronics sector, that exploits its own technology and multidisciplinary know-how to produce laser sources (gas, semiconductor, solid and liquid state) and innovative laser systems for medical and industrial applications.
<b>Eli Lilly</b>	Lilly Italia è un’affiliata della multinazionale americana Eli Lilly and Company di Indianapolis (U.S.A.), che si colloca tra le prime società farmaceutiche mondiali. Sin dalla sua fondazione oltre 130 anni fa, la società rende disponibili farmaci innovativi in tutto il mondo e ha attualmente in sviluppo un numero crescente di molecole che hanno il potenziale per essere tra i migliori farmaci nelle rispettive classi terapeutiche.



**Biotech**in**Italy**:  
selected areas of excellence



<b>Externautics</b>	The activities of Externautics are based on a strategic partnership with PRIMM (Milan). A unique immunoproteomic platform will be exploited to identify membrane-exposed proteins and antibodies whose presence is associated with the most frequent tumors. The goal of the company is to validate and to bring into early development, as diagnostic or therapeutic targets, newly identified human proteins.
<b>Industrial Liaison Office - University of Siena</b>	The University of Siena Industrial Liaison Office (ILO) was set up in 1998 to foster the technology transfer processes. The ILO mission is to readily and fruitfully match businesses' needs and University's scientific activities and technologies. To this end ILO organizes a series of promotional and consultancy activities for researchers and industries; these include: IPR consulting, consultancy and support to spin-off companies, learning and training in IPR and entrepreneurship, internships and career guidance. ILO takes part in many different networks at regional, national and international level.
<b>Institute of Clinical Physiology - CNR - Siena Section</b>	The National Research Council (C.N.R.) is a public organization distributed all over Italy through a network of institutes. Its duty is to carry out, promote, spread, transfer and improve research activities in the main sectors of knowledge. The Institute of Clinical Physiology (IFC) is a CNR Institute operating in the sector of the medicine and biotechnology. IFC is composed by two clinical research units (Pisa and Massa) and by four research sections (Milano, Lecce, Siena, and Roma). The main interest of the IFC-CNR Siena section is in the field of experimental oncology.



**Biotech in Italy:**  
selected areas of excellence



<b>Istituto Toscano Tumori</b>	Istituto Toscano Tumori (ITT) has been established by Regione Toscana to conduct fundamental, clinical and translational research on cancer and to provide state-of-the-art treatment for all individuals with cancer in Tuscany. The Institute consists of the sum total of all oncology services and cancer research activities in the Region, which are part of a single network. In this frame, Regione Toscana also created a “Core Research Laboratory” whose Units are located in Firenze, Siena and Pisa and conduct innovative research aiming to understand the nature and the mode of cancer development, to be able to rationally design specific therapeutic strategies to best manage cancer disease.
<b>Menarini</b>	Menarini is the main Italian pharmaceutical group and one of the top 20 companies in Europe. In Tuscany Menarini owns head offices and two plants, one in Florence, specialized in the production of betalactam antibiotics, one in Pisa specialized in active principles. Menarini employs in Tuscany about 1.750 people, of which 75 researchers.
<b>Molteni Therapeutics</b>	The biotechnological innovation, the results of Molteni Therapeutics’ research, based in the scientific park of Toscana Life Sciences, look like it’s going to be the most advanced answer to the ongoing and difficult issue of microbial resistance, especially with regard to issue infections.



**Biotech in Italy:**  
selected areas of excellence



<p><b>Novartis Vaccines &amp; Diagnostics</b></p>	<p>Novartis Vaccines &amp; Diagnostics is the biggest biotechnological company in Italy and the only full-cycle company in Italy which ranges from basic research to development to manufacturing. Over 1700 associates work in Siena and in the nearby Rosia site. Novartis, with its two sites in Siena and Rosia, with its scientific expertise and high degree of technological innovation is a solid landmark for the Italian and international scenario in the fight against infectious diseases. Hundreds of thousands of doses of vaccines are produced each year in our country and will be used to protect millions of people in over 115 countries</p>
<p><b>Philogen</b></p>	<p>Philogen is a privately-owned Swiss-Italian integrated biotechnology company founded in 1996 by the brothers Dario, Duccio, Giovanni Neri, with the initial mission to develop as products the promising human antibodies discovered by Prof. Dario Neri. Philogen focuses on the development of new biopharmaceuticals for the treatment of angiogenesis-related disorders. Angiogenesis, i.e. the formation of new blood vessels, is a characteristic feature of many severe pathologies such as cancer, rheumatoid arthritis and age-related macular degeneration.</p>
<p><b>ProteoGenBio</b></p>	<p>ProteoGen Bio patented a proprietary technology, which allows the immobilization of active protein on solid surfaces, maintaining unaltered activity. This break through technology drastically differs both from the creation of covalent bonds between proteins and solid surfaces by way of adequate “linkers”, and from the non-specific protein adsorption in porous material (gel or resin).</p>



**BiotechItaly:**  
selected areas of excellence



<p><b>ProtEra</b></p>	<p>ProtEra is a young biotech company focused on the Research and Development of innovative products for the pharmaceutical, diagnostic and cosmetic fields. The company was born in 2003 as a spin-off of the University of Florence by the idea of three scientists - I. Bertini, L. Banci and C. Luchinat - of the CERM (Magnetic Resonance Centre). Our mission is creating a link between the activity of Research Institutions and the industrial entities by developing a network of cooperative companies in order to give life to the most innovative ideas. We especially focus our Research and Development on the following target areas: Oncology, Inflammatory diseases, Ocular diseases, Oral care and Photoaging.</p>
<p><b>Regulatory Pharma Net</b></p>	<p>Regulatory Pharma Net (RPN) was established in 1998 offering full Regulatory Affairs services and assisting pharmaceutical industries in Drug Development. RPN combines a deep knowledge of Regulatory Affairs issues with a long experience in R&amp;D management acquired over many years within the Pharmaceutical Industry. RPN can provide useful regulatory affairs advice at all stages of product development, from the early concept stage, through product development, up to and beyond submission of a dossier for marketing authorisation.</p>
<p><b>SienaBioGrafix</b></p>	<p>SienaBioGrafix is a spin-off company of the University of Siena offering informatics and 3D graphics services applied to science and technology. Composed essentially of highly educated and skilled professionals, the company has developed expertise in the biological, physico-chemical, computer graphics and multimedia fields.</p>



<b>Siena Biotech</b>	<p>Siena Biotech is a limited private company founded in 2000 and actively operating in research since 2002. The company, fully committed to understanding and unraveling CNS diseases, including rare diseases, is based on a drug discovery model encompassing a series of technological platforms ranging from target identification to clinical proof of concept. Since foundation the firm has grown to more than one hundred employees, mostly scientists, recruited at international level.</p>
<b>T4All</b>	<p>T4All is a spin-off company of University of Siena - Department of Information Engineering.</p> <p>The company mission is to develop Information and Communication technologies and services in the healthcare and life sciences dominion. Products will be oriented towards the e-health market, focusing on remote monitoring of people (affected by chronicle diseases or disabilities) through wearable sensors (bracelets, belts, etc).T4All aims to transfer knowledge, experiences and research results into real products and/or services, focusing on some relevant economical and social fields such as Healthcare, homecare and tele-assistance for people with special needs and the Design of smart environments, aiming to realise both indoor and outdoor environments to support interactive services through the extensive use of sensors, wireless communication and ambient intelligence.</p>
<b>Toscana Biomarkers</b>	<p>Toscana Biomarkers is a R&amp;D company dedicated to the discovery and the validation of new diagnostic/prognostic tests for autoimmune diseases. The target of Toscana Biomarkers is achieved by modified peptides to be used in the screening of patients' sera for the identification of specific antibodies, as biomarkers of autoimmune diseases.</p>



**Biotech in Italy:**  
selected areas of excellence



<p><b>Umberto Di Mario Foundation</b></p>	<p>Overall objective of the Foundation is to transfer scientific achievements of basic biological research to clinical medicine by promoting research in the field of Translational Medicine. The Foundation promotes and supports scientifically excellent Research Projects and other initiatives (Fellowships, Workshops) after a careful evaluation by an International Scientific Committee. Specific interests include Diabetes Mellitus, Chronic Inflammatory and Immune-Mediated diseases, tumors of the nervous system. The Foundation participates to national and international research networks supported by funding Agencies such as European Community, Juvenile Diabetes Research Foundation, Italian Ministry of Research, Italian Ministry of Health.</p>
---	---

## RESEARCH INFRASTRUCTURES AND TECHNOLOGY TRANSFER

### University of Florence

- Founded in 1321, the University of Florence has 12 Faculties and about 9.400 graduates per year
- Life Science Master's degrees offered are:
  - Industrial and Environmental Biotechnologies
  - Pharmaceutical Biotechnologies
  - Medical Biotechnologies
  - Biomedical Engineering
- In 2007 with 42 research projects of "national interest" managed by Tuscan professors, the University was 2nd in Italy for amount of funds received from the Italian Government for research.

### The Pisan University System

- The Pisan University system is formed by the "Scuola Normale Superiore", the "Scuola Superiore Sant'Anna" and the "University of Pisa"
- Established in 1335, the University of Pisa has 11 Faculties including Pharmacy, Engineering, Medicine and Surgery, Veterinary Medicine, Mathematics and Physics
- Life Science Master's degrees offered are:
  - Vegetable Biotechnologies



**Biotech in Italy:**  
selected areas of excellence



- Biomedical Engineering
- Food Biotechnologies.

### **University of Siena**

- Created in 1240, it has 9 Faculties:

Economics, Pharmacy, Law, Engineering, Letters and Philosophy (in Siena and Arezzo), Medicine and Surgery, Mathematical, Physical, Natural Sciences and Political Sciences

- The University of Siena owns the Scientific Area of San Miniato where a huge research activity in the Medicinal, Toxicological, Chemistry, Pharmaceutical and Organic Chemistry fields is performed

- Life Science Master's degrees offered are:

- Human Health Biotechnologies
- Biotechnologies.

### **Toscana Life Sciences**

The Toscana Life Sciences (TLS) Foundation is a non-profit organization founded in December 2004 by a group of public and private institutions in Tuscany with the mission to support research activities in the field of Life Sciences and, in particular, to foster the development of projects from basic research to industrial application. TLS co-ordinates at a regional level technology transfer activities in the biotech sector in close collaboration with the Tuscany Region.

The most important objective of the TLS Foundation is the creation and development of the new Science Park located in Siena inside the Novartis Vaccines & Diagnostic campus, where to attract companies operating in the pharmaceutical and biomedical fields. To achieve this goal, the TLS Foundation set up a Bio-incubator to nourish and catalyze the formation of start-up and spin-off biotech companies committed to applied research towards new drugs, diagnostics, medical devices and biomedical technologies.

In addition to start-up companies the Science Park hosts also research groups working on orphan diseases ranging from rare infantile diabetes to cancer. In the Rare Disease sector TLS launched also 2 projects Orphan-1 and Orphan 2 aimed at the financing of existing academic research in the region and the development of therapies using the Enzyme Replacement approach respectively.

Since January 2009 TLS has been identified by the Tuscany Region as the centre of reference for the monitoring and support of patenting and technology transfer activities linked to life science research projects co-financed by the Tuscany Region. For the first time in Italy the management of all biomedical Intellectual Property coming out from the three public Universities of Siena, Florence and Pisa will be centralized under the control of TLS Foundation. In this



**Biotech in Italy:**  
selected areas of excellence



contest TLS will be in charge of screening, maintenance and commercial exploitation of all the IP with a biomedical application.

### **Technological Park of Navacchio (PI)**

The Technological Park of Navacchio is the 9th park in Italy for dimension, the 3rd for number of enterprises (now 45 enterprises are localized inside the park), the 4th for number of employees. The Technology Park of Navacchio was set up in 2003 with the aim to help the set up and growth of companies mainly in innovative sector as biomedical and robotics. The Polo offers to the companies a broad range of facilities, both in terms of general services (hall congresses, etc.) and consulting services such as marketing, fiscal, legal and financial advices. The Technology park hosts 3 companies in the biomedical field; Smartex and Scansystem and LOBIM specialized in the production of health monitoring systems.

### **Polo Sant'anna Valdera (Psv)**

Located near Pisa, Polo Sant'Anna Valdera was set up in 2002 as a unit of Scuola Superiore Sant'Anna to support the growth and development of innovative firms in many sectors, including Biomedical and Biotech. The technology park is today managed by Pont-Tech, a consortium for industrial research and technology transfer which offers consulting services and the access to modern facilities to companies located in the park. The park hosts 15 Spin offs employing 130 people.

### **CNR**

CNR has in Tuscany a total of 16 Institutes plus 13 territorial sections; among them there are some important Life Science research centers as:

- The Institute of Clinical Physiology in Pisa, with 190 people employed, is focused on the research of Physiopathology and clinics of cardiovascular and pulmonary diseases, molecular medicine and clinical biology. For its clinical activities it is federated with Fondazione Monasterio (500 people) which provides over 5.000 cardiovascular hospital admissions per year;
- The Institute of Neuroscience in Pisa, which employs around 40 people, is focused in the fields of molecular, cellular, physiological and pharmacological study of the nervous and neuromuscular systems;
- Institute of Biomedical Technologies which carries out research on the human genome, degenerative diseases, bioinformatics, comparative genomics, epidemiology and medical informatics.



**Biotech**Italy:  
selected areas of excellence



### **Institute of Chemistry of Organometallics**

ICCOM-CNR is active in various fields of sustainable chemistry. Its activity spans from homogeneous and heterogeneous catalysis, to electrocatalysis, to the synthesis of new materials (nanostructured, composites, polymers, hybrid-polymers), to the construction of scientific instrumentation and fuel cell stacks (portable power generators, electrolyzers).

### **Laboratorio NEST**

NEST, the National Enterprise for nanoScience and nanoTechnology, is an interdisciplinary research and training centre where physicists, chemists and biologists investigate scientific issues at the nanoscale. This knowledge is exploited to develop innovative nanobiotechnological tools, nanoelectronic and photonic devices and architectures.

### **Istituto Toscano Tumori**

- The Istituto Toscano Tumori (ITT) conducts fundamental, clinical and translational research on cancer
- It comprises the Centre for the Study and Prevention of Tumours (CSP) and 16 oncology departments spread across the Tuscan provinces.
- Oncology departments are located in 12 Local Health Authorities and in 4 Teaching Hospital Trusts
- Research activity in ITT is performed by 400 people, mainly located in Teaching Hospital Trusts.

### **Magnetic Resonance Center (Cerm)**

- CERM, located at the Polo Scientifico Fiorentino, performs advanced basic research in numerous fields as drug discovery, structural proteomics, bioinformatics and computational biology, electron and nuclear relaxation and relaxometry
- The collection of instrumentation at CERM is among the most advanced in the world, including magnets from 400 MHz to 900 MHz
- CERM employs about 80 people, of which 70 researchers.

### **European Laboratory for non Linear Spectroscopy (Lens)**

- LENS was established in 1991 at the University of Florence, in Sesto Fiorentino
- The research fields at LENS cover a wide spectrum of subjects, from atomic physics to photochemistry, biochemistry and biophysics, from material science to photonics, from art restoration and preservation to solid and liquid state physics



**Biotech in Italy:**  
selected areas of excellence



- The Laboratory employs about 70 people, of which 25 scientific staff members and about 35 post doctoral graduates.

### **Sbarro Foundation**

Mario Sbarro, founder of the America fast food chain Sbarro Inc., founded the Sbarro Institute for Cancer and Molecular Medicine Research in 1993, together with Antonio Giordano, and Italian researcher who moved to the United States. The institute was affiliated to Thomas Jefferson University of Philadelphia. In 2002, Professor Giordano's group also started collaboration with Temple University of Philadelphia, created a new Institute, which currently carried out studies in molecular medicine, named Sbarro Health Research Organization, Inc. (S.H.R.O.). In this structure, professor Giordano supervises all activities concerning programmes, research, subsidies and personnel aspects.

### **AIRC and Telethon**

Since 1965 AIRC has always been committed to promoting oncological research in Italy and has progressively expanded, now has 17 Regional Committees and almost 2.000.000 members. Telethon, present in Italy since 1990, collects and manages funds destined to scientific research into cures for over 6.000 known genetic illnesses. It has already financed 1.383 projects and created two large laboratories in Naples (Tigem) and Milan (Tiget), with an overall outlay of 180 million Euro.

### **Siena University Liason Office**

The Siena University Liason Office is a structure created in 1998 in order to promote contact between Departments, Institutes, Research Centers, Universities and companies with the aim of developing know-how leading to increase value. The activities of Liason Office may be divided into two parts:

- *Information and services*, aimed to provide information and useful news to enterprises, institutions and students;
- *Research Offer*, concerning the promotion of the research activities realised and offered by Siena University and aimed to respond to enterprises's need to access to the University's scientific activities.

## **SERVICES, SUPPORT AND FINANCING SOURCES**

Tuscany Region sustains the research, development and innovation in the Life Science through:

- The allocation of 33,6(1) mln. € to the sector which will be available since the first half of 2009 and will be aimed at financing project in pre-clinical and clinical phases and infrastructures (e.g.Laboratories);



**Biotech in Italy:**  
selected areas of excellence



- Fostering collaborative projects between public and private entities;
- Fostering the collaboration among companies across all the segments of the industry value chain

## Incentives

### Regional incentives

- For the acquisition of laboratory equipment and facilities.
- CIPE funds for new laboratories ("Patto per lo Sviluppo" funds)

### National incentives

- Previously MAP (Ministry for Economic Development) for the acquisition of equipment and the support of incubation activities.

### European incentives

- 7. Framework Programme – Episode (Competence Network in the NMR sector)

### Other Incentives

- Agreements at provincial level (Patto per lo sviluppo) for the acquisition of devices, facilities and other investments for the support of the incubation.

## Monte Dei Paschi di Siena

The Monte dei Paschi di Siena Foundation was founded in 1995. With the approval of the new Statutes, in 2001, the Foundation became a private, legally represented, non-profit body with full statutory and management powers. The Monte dei Paschi di Siena Foundation aims to pursue beneficial objectives within the area and in cooperation with the institutions therein, supporting projects.

## Promosiena

Promosiena, the special agency of Chamber of Commerce of Siena established by the Chamber of Commerce of Siena, the local Authorities of the Town of Siena and of the Province, has been actively committed to promote the competitiveness of the local economic system since 2003 by encouraging and supporting enterprises to approach national and international markets.

## Invest In Tuscany

Invest in Tuscany is the service of Toscana Promozione focused on the attraction of foreign direct investment in the Region through marketing and communication activities. Invest in Tuscany also provides assistance and guidance to investors, both financial and industrial, willing to invest in the Tuscany, a region highly dedicated and open towards foreign investors.



**Biotech**in**Italy**:  
selected areas of excellence



## USEFUL ADDRESSES

**Toscana Promozione - Invest In Tuscany**

**Head Quarter**

Via Vittorio Emanuele II 62/64

50134 Firenze – Italy

Ph. +39 055 462801

Fax +39 055 4628082

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

[info@investintuscany.com](mailto:info@investintuscany.com)

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