Ministero dello Sviluppo Economico

ITA ITALIAN TRADE AGENCY
ICE - Agenzia per la promozione all'estero e l'internazionalizzazione delle imprese italiane

Company Profile Form

Main Representative Identification

Company: Consorzio Technapoli – Science and Technology Park	
Division / Department:	
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E-mail: e.flora@technapoli.it	Website: www.technapoli.it
Date of foundation: 1992	N. of employees: 15
Turnover (in €): 540.855,00	% Export: n.a.

Main Activity (max 60 words)

Technapoli acts as a regional facilitator fostering innovative processes, strengthening and developing cooperation on R&I and business. It detects suitable models leading to high quality services, enhancing competitiveness and partnership capability of the system. Technapoli not only covers Biotechnology and Life Sciences, but also several fields such as Aeronautics and Space, Transport, ICT, New materials, Tourism and Environment.

Competitive Edge or Company Strengths

High quality products:

Technapoli, as regional facilitator and member of the Campania Bioscience cluster, is involved in biotechnology projects (mainly focusing on technology transfer) supporting and promoting the cooperation among companies and major research centers while approaching policy makers and stakeholders to foster, under a smart specialization strategy, the development of the biotechnologies in the Region as a key element of socio-economic growth.

Licenses/quality certifications:

ISO 9001:2008

The regional research biocommunity counts approximately 60 patents including the development of molecules and procedures employed in the fields of treatment of disease or pain, in the agriculture's field, biomedical materials and systems from studies of chemistry and technology of polymers.

Innovative processes/services/products:

The regional biocommunity provides facilities for study of molecular and cellular biology; bank and biological samples and stem cells for regenerative medicine; platforms for drug screening (HTS), development of industrial fermentation processes, development of biotech processes for the production of functional foods, proteomics and genomics, bioinformatics, imaging, drug design and NMR spectrometry and for study of animal models. An Euro-Mediterranean platform in biotechnologies applied to agri-food is available towards the Expo Milano 2015 "Feeding the Planet" theme.

Networking:

Technapoli is member of:

- APSTI Association of the Italian Science and Technology Parks
- CEBR Council of the European Biotech Regions
- IBPs network of the Italian BioParks
- Assobiotec Association of the Italian companies on biotechnologies
- APRE Agency for the promotion of European research
- European Patent Office Pat-Lib Centers (EPO)
- AIPAS Association of the Italian SMEs in aerospace

Technapoli promotes and supports activities within the following clusters, networks and partnerships:

- Campania BioScience cluster
- Regional Expertise Centres
- Euro-Mediterranean countries Partnership

R&D Capacity:

The biocommunity offers high qualified knowledge and research capabilities proven by the long-time presence of life sciences actors: 4 universities, 6 institutes of the National Research Council, “Anton Dohrn” zoological Institute, 1 biotechnology research network (industrial biotech), 3 not for profit bioconsortiums for research on advanced biotech, molecular genetics and medicine. Presence of about 1,800 researchers counting on approximately 30,000 square meters surface of laboratories and facilities.

Expertise:

Technapoli is involved in several activities and services to steer the economic development of the industrial system through research, innovation, internationalization, networking and partnering. Services are focusing on:

- intellectual property promotion and protection, patent and trade marks (since 1998 Technapoli is a member of the PAT-LIB centers’ European network)
- R&I, training and technology transfer support
- Financial tools identification (Technapoli is APRE Campania office)
- Clustering and partnering at regional, national and international level (i.e. EU projects writing and implementation, EU networks participation, Partnership agreements, Trans-national workshops and events organization and hosting)
- Advanced telematic services throughout the RAST service centre SMEs open telematic services network (i.e. e-business, e-enterprise, e-learning, knowledge management, e-content)

Regional biocommunity major expertise concerns development and testing of new therapies, production of nutraceuticals and cosmeceuticals, diagnostics, biosensors and innovative technologies for the biomedical industry. A focus within the Campania Bioscience cluster is given to biotechnologies applied to food developing research and innovation projects (children food, functional food and food genetic-molecular tracking).

Partnership objectives

☐ General commercial assistance
☐ Identification of new customers
☐ Commercial intermediary (distributor, general agent, etc.)
☐ Mutual/common distribution agreement
X Technology transfer or production licensing
X Development of new products
X Activation of new projects (R&D)

☐ Joint creation of an enterprise or consortium
X Financial participation
X Direct investments

Company Profile Form

Main themes of cooperation

☐ Environmental biotechnology and nanotechnology
X Food biotechnology and nanotechnology
X Medical biotechnology and nanotechnology
X Industrial biotechnology
☐ Nanotechnology

Partnership proposal (detailed description of a concrete and innovative project)

Technapoli Science and Technology Park (STP) is interested in leading/partnering in a project that could support high tech SMEs developing very specific features that could further strengthen the innovative capacity of the whole Life Sciences and Biotechnology sectors. Due to the high level technology of the issues, a strong coordination and integration among industry and academia, large and small industry is recommended. The project aims to further increase this coordination into the framework of the available European financing tools (i.e. Horizon 2020 and Cosme) thus conducing to more SME participation into trans-national projects.

The project will focus on:

- strengthen and extend the clustering of bioclusters and bioSTPs European level
- improve cluster and STP managers performances
- transform competitiveness to cooperation between regions and clusters
- create a level playing field for company operation
- create a platform for EU life sciences and biotech initiatives on EC-funded projects (incl. possible global partnerships)

Details of the cooperation project

Technology focus:
n.a. The proposal goes under the accompanying measures scheme
Main features:
- clustering the small and emerging clusters and science and technology parks - improve cluster and STPs managers capabilities and skills - create a common platform to strength collaboration on EU financing programs
Competitive advantage:
Clusters will benefit from sharing new tools and high level services throughout the partnership; companies will benefit from an integrated system in supporting their collaboration and trans-national approach into EC financing tools; major biotech players will benefit from a structured system for an easier dialogue with SMEs all around Europe.
Stage: (1.Discovery, 2.Preclinical, 3.Clinical, 4. Development, 5.Prototype, 6.On-market)

n.a.
Project duration:
2-3 years
Forecasted results:
- improvement of European clusters and STPs managers coordination and performances - clusters' and STPs higher level services to SMEs - strengthen the European collaborative approach to EC financing tools thus facilitating and increasing the success rate of the proposals - impacting on specific features to further strengthen the innovative capacity and competitiveness of the whole sector at EU and international level

Please indicate your sector/s of activity, adding other topics if not present in the list.

Environmental biotechnology and nanotechnology:

- ❑ Advanced energy technologies
- ☑ Biodefense
- ❑ Biodiversity
- ❑ Biogas
- ❑ Biomass Conversion
- ❑ Biopesticides
- ❑ Biorefineries
- ❑ Bioremediation
- ❑ Contract Manufacturing Organization
- ❑ Ecological and population genetics
- ❑ Energy production, storage and saving
- ❑ Environmental diagnostics and monitoring
- ❑ Herbal purification
- ❑ Liquid biofuels
- ❑ Microbial processes
- ❑ New refrigerating ecocompatible fluids
- ❑ Process development
- ❑ Recycling
- ❑ Regulatory affairs
- ❑ Renewable resources
- ❑ Research & Development
- ❑ Soil washing
- ❑ Solid biomasses
- ❑ Sustainable mobility
- ❑ Sustainable packaging
- ❑ Training Services
- ❑ Waste management
- ❑ Water purification
- ❑ Other: (please specify)

Food biotechnology and nanotechnology:

- ❑ Aquaculture
- ❑ Bioinformatics
- ❑ Bioreactors
- ❑ Contract Manufacturing Organization
- ☑ Fermentation
- ☑ Food additives
- ☑ Functional foods
- ☑ GMO
- ☑ Nutraceuticals
- ❑ Plant genomics
- ☑ Process development
- ☑ Process Engineering
- ❑ Regulatory affairs
- ❑ Research & Development

- ☑ Traceability, preservation and safety of foods
- ❑ Packaging
- ❑ Training Services
- ❑ Transgenic crops
- ❑ Transgenic plants
- ❑ Other: (please specify)

Industrial biotechnology:

- ❑ Bacteria for building and restauration
- ❑ Biocalcification and biomineralization
- ☑ Biocatalysts
- ❑ Bioconversion
- ❑ Bioinformatics
- ❑ Biomaterials
- ❑ Bioplastics and organic plastics
- ❑ Contract Manufacturing Organization
- ❑ Enzymes
- ❑ Other: (please specify)

Nanotechnology:

- ❑ MEMS/NEMS
- ❑ Metrology
- ❑ Nanocoatings & thin films
- ❑ Nanocomposites
- ❑ Nanofabrication
- ❑ Nanofibres and nanofabrics
- ☑ Nanomaterials
- ❑ Nanotools & instruments
- ❑ Process development
- ❑ Regulatory affairs
- ❑ Research & Development
- ❑ Training Services
- ❑ Other: (please specify)

Medical biotechnology and nanotechnology:

- ☑ Biodefense
- ☑ Bioinformatics
- ☑ Biopharmaceutical
- ☑ Bioprocess
- ☑ Chemistry and Combinatorial libraries
- ❑ Contract Manufacturing Organization
- ☑ Diagnostics
- ☑ Drug delivery & Medical devices
- ☑ Drug development
- ❑ Genomics
- ☑ Immunology
- ❑ Laboratory and analytical equipment
- ❑ Microbiology
- ☑ Nanobiotechnology
- ☑ Nanomedicine
- ❑ Plant-made pharmaceuticals
- ❑ Process development
- ❑ Proteomics
- ❑ Regulatory affairs
- ❑ Research & Development
- ☑ Tissue engineering and regenerative medicine
- ❑ Toxicology / CRO
- ❑ Training Services
- ❑ Transgenic production
- ❑ Vaccines
- ❑ Other: (please specify)

Fields of application

- ☑ Agriculture and animal breeding
- ☑ Chemical and pharmaceutical
- ❑ Cleaners and solvents
- ❑ Clothing, textiles, footwear, accessories
- ❑ Constructions and restoration
- ☑ Cosmetics

- ☑ Electronics and Devices
- ❑ Energy and environment
- ☑ Food and beverages
- ❑ Fuels
- ❑ IT products and services
- ☑ Life sciences
- ☑ Medical equipments
- ❑ Machinery
- ❑ Optical tools
- ❑ Pulp and paper
- ❑ Rubber and plastics
- ❑ Transports and aerospace
- ❑ Waste disposal and recycling
- ❑ Wood and related products