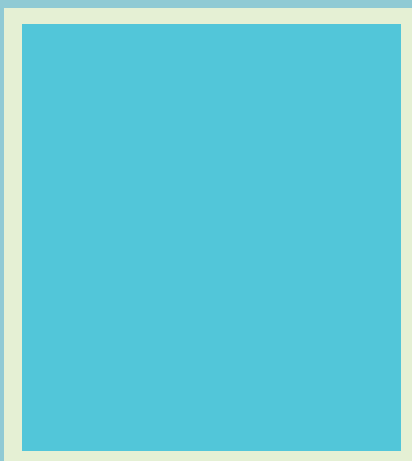
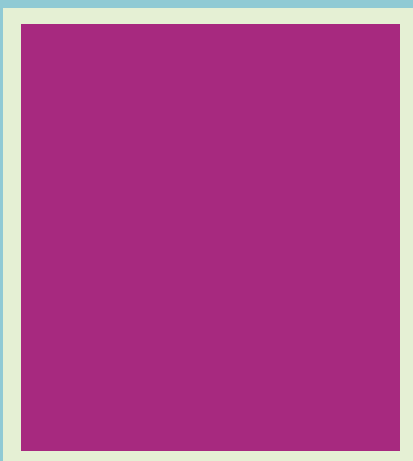
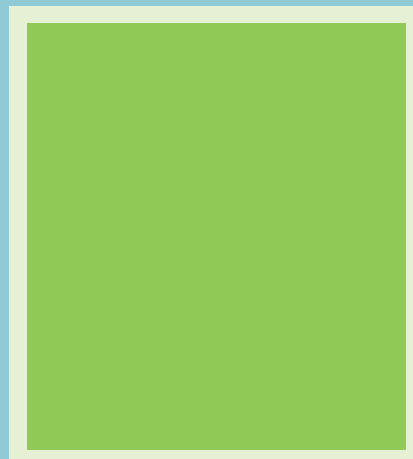


TechMatch

03

BIO - PHARMA - MEDICO

2011



Nanoscience & Micro-Nanotech

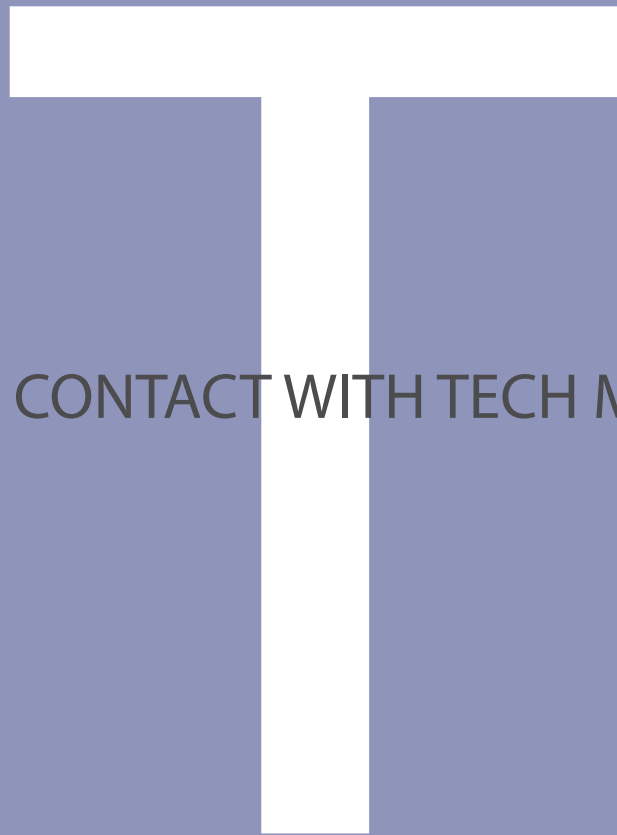
CHEMIKA 2011

Update 2011

ILSI Biomed 2011

Technology Searches

- Use of cyclohexane compounds as antibiotics through riboswitch activation
- An efficient and cost-effective synthesis of lapachol
- New pharmacological chaperones for treatment of Gaucher disease
- Portable disinfection system for lung ventilators and respirators at home



MAKE CONTACT WITH TECH MATCH

Make new contacts with TechMatch

TechMatch is a free information service, which includes a selection of technologies which are offered and requested by companies in Europe. The service also provides information on relevant fairs and matchmaking events.

The aim of the publication is to promote cross border trade and co-operation.

TechMatch is produced by Nordic members of the Enterprise Europe Network – the world's largest business network.

Interested in a new technology?

If you're interested in one of the technologies or events, or wish to get in contact with one of the companies in TechMatch, please contact one of our consultants. Remember to quote the reference number!

You are also welcome to contact us if you wish to promote your new technology in other European regions.



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TECHNOLOGY SEARCHES

Green liquid chromatography process

(Ref: 11 FR 38m9 3KBJ)

A French inventor has developed a brand new purification process of active pharmaceutical ingredients and other chemical substances by liquid chromatography, providing an eco-responsible solution while increasing dramatically the product quantities outputs. The French inventor is open to any kind of collaboration: joint venture, license agreement, R&D or commercial.

A 3D simulation training platform to oral implantology

(Ref: 10 FR 34k3 3IJM)

A French company has developed a simulation training platform to oral implantology. Thanks to haptic performances and cases database, this serious game offers to simulate all types of anatomical and clinical cases in real conditions. The French company is looking for hospitals, Universities or training centers interested in acquiring or adapting this platform.



New inhibitors of microbial infections

(Ref: 11 IT 54W2 3KC8)

One of the major Italian University has developed new compounds that can be used in the prevention of HIV by inhibition of virus uptake by cells. The university is seeking either a license or a technical cooperation agreement with companies with the purpose of developing products.

New technology of PEGylation combining protein with biocompatible polymers selectively

(Ref: 11 KR 9A9E 3KBW)

A company from the Republic of South Korea has been studying PEGylation and found new PEGylation technology reacting to specific placement of protein selectively. The new technology of PEGylation can maintain efficacy and improve safety of it. It can be used for biomedical applications. Partners for license agreements and joint further development are sought.

High-molecular-weight (HMW) polymer carriers of star structure and their conjugates for controlled therapy of solid tumors

(Ref: 11 CZ 0744 3KEQ)

Czech researchers completed lab tests of the new type of HMW dendritic polymer carriers whose drug conjugates are great at cytostatic and antitumor activity and enable controlled attack of solid tumors. Efficient in small doses, less side-effects = attractive option to low-molecular weight drugs. Related method ensures broad range of polymer's molecular weights, low polydispersity and compatibility with many drugs. Partners for licensing and follow-up R&D cooperation are sought.

Pneumatic drive system of a heart prosthesis

(Ref: 10 PL 63BB 3K3Y)

A Polish company offers an artificial heart drive system. The drive may be used in cardiac prostheses. The miniature drive system may be also used in other devices requiring a drive of such a size. The company is looking for a partner interested in R&D actions/operations on developing a prototype or partners willing to purchase the patent.

Miniature electric pump sought

(Ref: 10 PL 63BB 3K40)

A Polish company is looking for a miniature electric water pump. The pump will be used in rheumatic rehabilitation devices. The company is interested in license agreement or joint actions on creating the device.

Diagnostic and prophylactic system against argasid tick *Ornithodoros moubata*

(Ref: 11 ES 28G2 3KD5)



A Spanish public research organisation offers a patented diagnostic antigen for *O. moubata* soft tick antibodies based on a recombinant amino acid. The diagnosis is carried out very easily in biological samples with 86% sensitivity and 99.1% specificity, notably better than those of the crude native antigenic extract. The technology enables also prevention and control of diseases transmitted by it. Biotech companies are sought for licensing and further developments.

Innovative Plug & Play technology for recombinant protein production at industrial scale

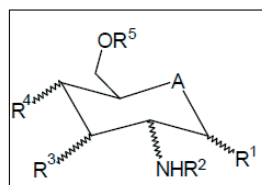
(Ref: 11 ES 27F4 3KF0)

A Spanish biotechnology company offers a technology to develop and manufacture specific recombinant proteins at industrial scale. Based on the Baculovirus Expression Vector System (BEVS), the company uses insect larvae as mini-biofactories. Gathering the optimal features of BEVS and thanks to its scalability, the desired product can be obtained in six months. The company is looking for a manufacturing agreement and/or technical cooperation agreement.

Use of cyclohexane compounds as antibiotics through riboswitch activation

(Ref: 11 DE 0855 3KGV)

Researchers at two German universities have discovered a novel approach to the treatment of bacterial infection which involves the use of cyclohexane compounds as antibiotics. The invention provides an alternative to the use of conventional antibiotic substances which go along with the risk of resistances. Innovative companies from the pharmaceutical or biotechnology industries are sought for licensing the technology and/or research collaboration



General formula (I) for GImS Compounds

In search of innovative combination of implant materials and manufacturing methods

(Ref: 10 NL 60AH 3JR1)

A Dutch SME designs and manufactures implants that replace parts of the bone in the cranio maxillo facial region. The company is looking for better and more economic implant materials and manufacturing methods. Nowadays PEEK and Titanium are the materials of choice. The company is looking for a commercial agreement with technical assistance with a material supplier annex production company.

ANTI MICROBIAL PEPTIDES & STRAINS

(Ref: 11 ES 252K 3KD9)

A Spanish SME based in Girona (Catalonia) has developed a novel class of anti-microbial peptides and microbial strains with excellent efficacy and safety profile. The combination of novelty, safety, efficacy, stability and versatility mean they can be rapidly developed for commercialisation. The company is looking for collaborative partners to further develop these technologies.

A new wheelchair generation

(Ref: 11 DE 1593 3KF6)

A German company developed a new wheelchair which can be manually stowed by the disabled person in only a few minutes making further assistance and/or a lifting devices in the car dispensable. Partners are sought for Technical Cooperation. The product is fully developed and ready for distribution. However, further development and the adaptation to specific needs in regional markets is feasible. Also licence production in foreign countries is possible.



Innovative taste masking technology

(Ref: 11 NL 60AH 3KD6)

A Dutch SME has developed a taste masking technology based on the application of a specific complex of uncoated flavour masking agents and viscosity enhancing agents. Taste masking of drugs is intended to enhance therapy compliance and to safely increase product palatability for patients. The technology finds applications in the pharmaceutical, nutraceutical and veterinary sector. The company is looking for industrial partners for joint development of customized taste masking applications.

Technology for producing edible vaccines based on the expression platform of cereals

(Ref: 11 RU 86FG 3KED)

A Russian research Institute from Moscow region offers a technology for producing edible vaccines based on the wheat expression platform. This technology allows obtaining edible vaccines with a high yield of protein that can be stored for a long time. The authors are looking for partners for joint further research and technological cooperation; subcontracting is another option.

Use of GOT (glutamate oxaloacetate transaminase) blood levels as a biomarker in the stroke outcome

(Ref: 10 ES 24D8 3K52)

A Spanish university has developed a method to use the GOT (glutamate oxaloacetate transaminase) as a novel prognostic biomarker to determine the outcome of ischemic patients. This new approach represents a powerful tool to define more appropriate treatments for patients. The university is looking for a licence agreement.

Oxygen concentration by adsorption or other means

(Ref: 10 GB 40n6 3K3G)

A medical product design company in the South-East of England is looking for technologies based on oxygen or nitrogen adsorption to integrate into a portable medical product designed to deliver oxygen to patients. The end product will need to be light, quiet, energy efficient and cost effective. However other methods of selectively creating oxygen or removing nitrogen and argon would also be of interest. The company is seeking a partner to co-develop this product.

Multisite complex enhancing vaccination against Staphylococcus aureus

(Ref: 10 BE 0324 3IUM)

A Belgian research team has developed new scaffolds based on a protein carrier which, as an adjuvant, increase the vaccinal efficacy and neutralize virulence factors of S.aureus. As the actual treatments are faced with resistant strains and multiple virulence factors responsible of the toxicity, there is a need of alternative treatments of S.aureus. The team is seeking companies interested in a development collaboration or in licensing opportunity.

Computerized electrocardiograph using ultra-high resolution nanotechnologies and innovation methods for diagnosis of cardiac diseases

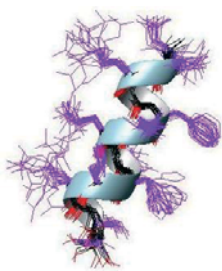
(Ref: 11 RU 86FG 3KFV)

A Russian University from Saint Petersburg develops a computerized electrocardiograph using ultra-high resolution nanotechnologies for implementation of innovation methods for diagnosis of cardiac diseases. The electrocardiograph will allow studying numerous characteristics of the bioelectric signals, including the ones never studied before. The authors are looking for partners for joint tests of new applications, for adaptation of the device to the customer's demands.

Inhibition of angiogenesis using designed peptides

(Ref: 11 ES 28G2 3KGQ)

Two Spanish public research organisations have developed a peptide series with antiangiogenic activity that might be effective to treat diseases related to uncontrolled blood vessel growth such as cancer, diabetic retinopathy and inflammatory diseases. They are derived from a snake venom protein highly selective and specific for a receptor promoting growth of vascular endothelium. Pharmaceutical industry partners are sought to develop and commercialize the technology under a patent license.



Antiangiogenic Peptide 3D Structure

Innovative Gastrointestinal Motility peristalsis model

(Ref: 10 GB 42O1 3JZZ)

A UK University has developed a unique Gastrointestinal motility peristalsis model to conduct in-vitro studies of intestinal motility. It is able to study the effect of drugs in - vitro on a stable on-going peristalsis. Research organisation for technical cooperation and pharmaceutical companies wanting to evaluate putative compounds in the system are sought.

Long-term cultivation of living cells for high throughput screening for pharmaceutical R&D

(Ref: 11 DE 0855 3KGM)

A German research centre has developed a device for long-term cultivation of small tissues samples or low amounts of living cells in constant conditions. The device consists of a small cultivation chamber which is separated from a medium reservoir by a valve mechanism. Producers of lab equipment for the pharmaceutical industry are sought for licensing agreements.



Prototype of Microwell-like design - Patented valve mechanism

New drugs for the cure and prevention of inflammatory chronic intestinal diseases

(Ref: 11 IT 54W2 3KCA)

One of the major Italian universities has developed new drugs that can be used in the treatment and/or in the prevention of inflammatory chronic intestinal diseases. The main advantage is that, differently from the drugs in use, the patented molecules act directly on the molecular cause of the disease and not only on the symptoms. In addition they have an endogenous origin and are delivered orally. The university is seeking either a license or a technical cooperation agreement with companies.

Non-human primate models especially with the common marmoset monkey for biomedical research

(Ref: 11 DE 1592 3KGT)

A German SME is offering services with non-human primate models especially with the common marmoset monkey for biomedical research in non clinical development of pharmaceutical products (pharmacodynamics, pharmacokinetics, toxicology). The SME is searching for partners for technical agreements, commercial agreements with technical assistance, joint venture agreements, commercial agreements with technical assistance and for partners who offer financial resources.

Psychopharmacological effects tracing and psychiatric diagnostic decision support

(Ref: 11 SE 672F 3KG6)

A Swedish company has developed a method that in 30 minutes reliably indicates electrophysiological brain stem patterns specific for schizophrenia, autism and ADHD using an auditory stimulation procedure that is non-invasive, easy to use, fully objective and fast. The test can also trace pharmacokinetic and topographic neuropharmacological effects. The company is looking for a partner within the Psychopharmacology industry for licence agreement and/or technical cooperation as well as joint venture.

Physiotherapeutic aerosol equipment and technology for prevention and rehabilitation of respiratory and skin ailments

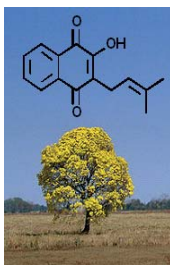
(Ref: 11 HU 50R8 3KKC)

A Hungarian SME has developed an innovative, reliable medical spa equipment and therapeutic technology with successful rehabilitation and rejuvenation results for people with respiratory and skin problems. The therapy has an enhanced anti-inflammatory effect. It operates with unique, exceptionally clean curing agent coming from controlled source. Cooperation partners (clinics, doctors, hospitals, private medical practises etc.) are awaited for licence agreement or technical cooperation.

An efficient and cost-effective synthesis of lapachol

(Ref: 11 ES 28G2 3KGS)

A Spanish public research organisation has developed a method to synthesize lapachol at multi-gram scale, through an efficient, one step and economical process starting from lawsone, a commercially available 1,4-naphthoquinone. Partners from the pharmaceutical industry are sought for the development and commercialization of the technology under a patent license.



Device for the early diagnosis of neurological diseases based on oculomotricity

(Ref: 11 FR 38m5 3K8W)

The French company has developed a device for early diagnosis. This device can be used to diagnose several pathologies, such as Parkinson-plus syndromes and multiple sclerosis. Other pathologies are being studied. The French company is looking for partners to collaborate on different projects: cooperation on new diagnostic of neurological diseases, development of drugs, tests of new drugs...

In silico toxicity prediction

(Ref: 11 FR 38m5 3K7H)

The French company has developed the next-generation in silico platform. Such a platform performs highly accurate predictive toxicology, ecotox, ADME parameters of molecules and can be applied in therapeutics, cosmetics and industrial chemistry fields. The company is looking for partners in order to develop different types of technical cooperation.

Technology for production of biologically active substances on the basis of high-performance submerged cultivation of medicinal fungi

(Ref: 11 RU 86FG 3KH5)

A Russian research team from Moscow developed a high-performance technology for submerged cultivation of medicinal fungi biomass in bioreactors to produce unique antitumor, immunomodulating, antiviral and neuroactive substances. The authors search for partners to cooperate in manufacture and tests of these substances and to conclude a commercial agreement on production of drugs and dietary supplements on their basis under technical assistance of the authors.

Innovative quantification system from slides image analysis

(Ref: 11 FR 35K8 3K9X)

A French company specialised in histology, cytology and molecular biology has designed a software for reliable, accurate quantification from slides image analysis, for which the calibration system is patented. The company wants to exploit and develop this patented technology and seeks partners for new applications.

Large scale gene expression or genomic studies in the field of molecular biology and translational research

(Ref: 11 IT 54W2 3KHG)

An Italian company is looking for partners interested in co-development of patented algorithm for new applications. The algorithm is essential to reduce time and cost of research projects aimed to identify new genes and molecules of pharmacological and scientific interest. Technology and expertise sought should be complementary to this algorithm and lead to significant improvements of large scale gene expression or genomic studies in any field of molecular biology and translational research.

Powder formulation for instant pharmaceutical suspensions and solutions

(Ref: 11 NL 60AH 3KGZ)

A Dutch SME offers a powder technology platform enabling the formulation of a wide range of dry-blended powders for instant reconstitution of suspensions and solutions. The technology can be applied to immediate and controlled release ingredients used in pharmaceutical products up to a drug load of 30%. The technology enables a longer shelf life, easier shipment conditions or decreased storage costs of products. Partners for licensing or joint development of new applications are sought.

New compounds for the treatment and/or the prevention of human heart failure

(Ref: 11 IT 54W2 3KC9)

One of the major Italian Universities has developed new compounds that can be used in the treatment and/or in the prevention of human heart failure, a new therapeutic application for Ras-related C3 botulinum toxin substrate (Rac1) inhibitors. The newly synthesized molecules show a significantly higher efficacy on inhibiting Rac1 activity in comparison to known compounds. The University is seeking either a license or a technical cooperation agreement with companies for further development.

Phone-assisted, automated drug information system

(Ref: 11 HU 50R8 3KI4)

A Hungarian university laboratory has developed an automated phone and web assisted medication information system to provide machine generated patient information, as well as to ensure web-based search and display options. The system is accessible by phone from any location. It reads out drug properties to the caller. The laboratory is seeking for a service partner (pharmaceutical institutes, hospitals, patient right organisations, etc.) for system improvement and introduction in EU countries.

SYNTHESIS OF LACTIC ACID BASED POLYLACTIDES

(Ref: 10 GR 49Q8 3JAN)

A Greek Research laboratory, specialized in polymer reaction engineering, has developed a method for the production of high molecular weight polylactide by the bulk ring-opening polymerization of L,L-lactide. It is seeking for partners for license agreements as well as financial supports to develop other projects.

Very cheap medical device producing ozone air and water

(Ref: 11 PL 63AW 3KIH)

Polish inventor developed device producing in a fast way ozone air and water for medical use which can be used to disinfect patients during various medical operations, e.g. treatment of burns. The cost of the device is very low. Inventor is looking for license agreement and technical cooperation in further development, testing, implementation and adoption to specific needs. Inventor is looking also for a partner to bring necessary financial resources. Know-how is also needed for certification.

Gelation of undenatured proteins with polysaccharides

(Ref: 10 FR 32j3 3GRY)

A public French laboratory has developed a method for the gelation of undenatured proteins with polysaccharides. The main advantage of this method is that the protein is not denatured during the gelation process. The gel finds advantageous applications as a matrix in the pharmaceutical and food industries. The laboratory is looking for industrial partnerships, for commercializing or licensing.

Innovative method for increasing phytosterols production and extraction

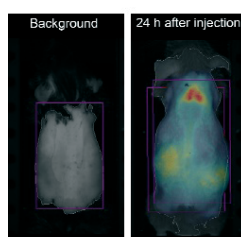
(Ref: 11 ES 23D2 3KLY)

A Spanish research group has developed a novelty procedure for increasing phytosterols production and extraction yield based on in vitro plant cell cultures. This method allows a stable phytosterols production, irrespective of geographic, seasonal and environmental factors, with reduced space requirements and simpler purification and scaling-up processes. The research group is looking for companies interested in acquiring this technology for its commercial exploitation.

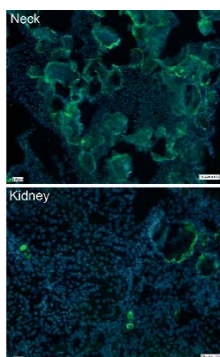
In-vivo imaging of calcified lesions

(Ref: 11 DE 0855 3KMQ)

A German university offers a new in-vivo imaging process for physiological and pathological calcification. The process is based on the use of the liver-derived serum protein Alpha2-HS Glycoprotein (AHS) and its derivatives. Different kinds of labeling and image modalities are made possible. Companies active in basic or clinical research are offered rights to use the process or research collaboration with licensing option.



FcTA knockout mouse after injection of fluorescence-labeled AHS



Histology of neck and kidney after injection of fluorescence-labeled AHS

Natural Molecular Imprinting- An innovative technology exploiting the potential of absorption of the SAMI resins

(Ref: 11 IT 53U6 3KNI)

An SME, located in the South of Italy, has developed a production process based on an innovative method exploiting the potential of absorption of the SAMI resins (Shade Apolimeric Molecular Imprinting) for the selective absorption of anthocyanins. The company is looking for partners for commercial or production agreements.

Simple and efficient production of Empty Virus-Like Particles (VLPs)

(Ref: 11 GB 41n7 3KMO)

A UK research institute has developed technology for the production of empty particles from the Cowpea Mosaic Virus. The empty virus-like particles (eVLPs) can be modified, both genetically and by chemical treatment, to display proteins, peptides or other molecules on the external and internal surfaces, or to contain small molecule drugs. This makes eVLPs viable for use in targeted drug delivery and a broad range of other applications in the medical and industrial fields. Licensees are sought.

Yeast Protein Production System with High Protein Yield - No Ethanol

(Ref: 11 SE 67CL 3KK0)

A Swedish biotech-startup has developed and patented a genetic modification of baker's yeast (*Saccharomyces cerevisiae*). This strain produces double to quadruple amounts of recombinant protein with no production of ethanol, in short, more protein is attained with fewer complications. The company is looking for industrial partners interested in licensing the technology or partners interested in further development of new applications.

Drug specificity and efficiency enhancement by means of nanoencapsulation technology

(Ref: 11 ES 29h4 3KJS)

A Spanish university has developed a breakthrough technology which achieves drug specificity and efficiency enhancement, providing pharmaceutical companies important benefits in terms of economic return and notoriety. The University proposes a transfer scheme in which it will try the technology on provided compounds with the aim to subsequently out-license it.

Extracellular superoxide dismutase as adjuvant for cancer immunotherapy

(Ref: 11 ES 28G2 3KM8)

A Spanish public research organisation has found that the local increase in the extracellular superoxide dismutase SOD3 promotes the elimination of tumour cells by the cytotoxic T lymphocytes in vivo. SOD 3 protein, mimetic compounds or molecules promoting its expression have potential as coadjuvant for cancer immunotherapy. Companies interested in a patent licence are sought for.

Portable disinfection system for lung ventilators and respirators at home

(Ref: 11 DE 094I 3KFB)

A German small and medium-sized enterprise developed a device for disinfection of flow raising components of lung ventilators and respirators for hygienic safety. The main advantage of the system is the possibility of domestic use. The company seeks partner from research and industry for co-operation agreements and/or traders, interested in a joint venture.



Engineered lactic acid bacterium *Lactococcus lactis* capable of binding TNF α for the treatment of Inflammatory Bowel Disease

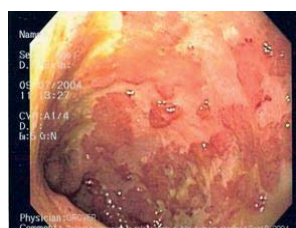
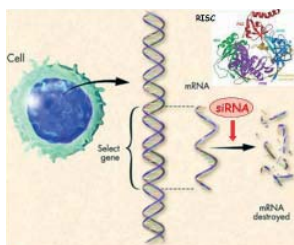
(Ref: 11 SI 68CN 3KDL)

Slovene researchers have developed innovative recombinant lactic acid bacteria that express TNF- α -binding peptides on their surface. TNF- α (Tumor Necrosis Factor Alpha) is a cytokine which plays an important role in inflammation process. Such microorganisms can be used for treatment of inflammatory bowel diseases including Chron's disease and Ulcerative colitis. The company is looking for partners interested in the license agreement.

Modified siRNAs for silencing TNF-alpha gene expression to treat inflammatory diseases

(Ref: 11 ES 28G2 3KIX)

A public research organisation and two universities from Spain have developed new small interfering RNAs (siRNA) chemically modified for treatment of inflammatory diseases, particularly intestinal diseases, through TNF- α gene expression silencing. These compounds show high inhibitory activity and reduce the non-specific immune response triggered by other synthetic siRNAs. Partners from the pharmaceutical industry are sought to develop and commercialize the technology under a patent license.



Non-chemical and environmentally safe technology of conservation of maral antlers as a raw material for production of medications

(Ref: 11 RU 86FG 3KMH)

A Russian company (Republic of Altai) developed a technology for conservation of maral antlers. The technology is based on a special way of boiling the antlers, which allows preservation of vitamins, aminoacids and other nutrients. Processed antlers are used for making therapeutic and prophylactic immunity-improving drugs. The company seeks technical cooperation for developing medications based on the proposed technology. Partners for joint EU-RF calls (ERANET.RUS, OSEO-FASIE) are also welcome.

Development and clinical testing of implant for surgical use

(Ref: 11 SE 67CJ 3KOB)

A Swedish inventor has developed an implant for surgical use, primarily reconstructive but also for aesthetic surgery. The implant is targeted for primarily patients born with cleft affecting collapsed nose. There is no other similar product on the market today. The implant is made of known material and safe to use. The product requires clinical testing by plastic surgeons and clinical studies. Partners are sought for further development, joint venture agreement and testing of implant.

Nanotechnology coating solutions for improved cleanliness and hygiene

(Ref: 11 FI 30I2 3KR9)

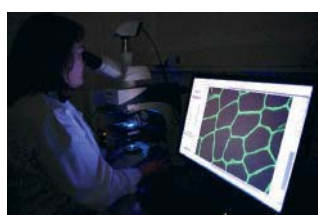
A Finnish nanotech company offers solutions for improved cleanliness and hygiene with its proprietary antibacterial and antiviral nanosurface technology. The technology is based on nano-TiO₂, which acts a catalyzer using light as its energy source to keep surfaces clean from impurities. The material is non-toxic and consists of inexpensive raw materials. The company is looking for manufacturers applying the technology and collaboration partners including R&D partnership and EU projects.

RNA-based antisense oligonucleotides to correct mutated mRNA causing life threatening disorders

(Ref: 11 NL 60AH 3KJP)

A Dutch biopharmaceutical company is focused on the discovery, development and commercialization of RNA modulating therapeutic targets for genetic disorders with a large unmet medical need. They offer their unique proprietary technology platform, which employs single-stranded RNA-based antisense oligonucleotides (AONs) to correct mutated mRNA causing life threatening disorders.

The company is looking for collaboration for the development and commercialization of RNA based therapeutics.



Flow cytometry Services for drug development and monitoring of clinical trials

(Ref: 11 IT 55Y2 3KH4)

Researchers of an Italian company in the Flow Cytometry Unit have designed flow-cytometry based multi-parametric assays which have proven to play a valuable and essential role in the company's research and clinical development programs especially to monitor and evaluate effects of AV-HALTs (AntiViral-HyperActivation Limiting Therapeutics) and therapeutic vaccines. The Italian SME offers Flow Cytometry analysis to evaluate other research labs and companies' therapeutic vaccines.

Technology for producing recombinant proteins in the expression system based on the plant family Lemnaceae

(Ref: 11 RU 86FG 3KEE)

A Russian Research Institute from Moscow region offers a technology for producing recombinant proteins in the expression system based on the plant family Lemnaceae. These organisms are characterized by a high protein content and biomass growth rate, which makes them convenient producers of target proteins. The authors are looking for partners for joint further research and technological cooperation; subcontracting is another option.

Innovative method for increasing phytosterols production and extraction

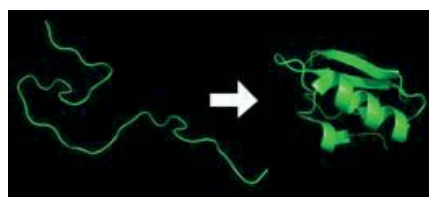
(Ref: 11 ES 23D2 3KLY)

A Spanish research group has developed a novelty procedure for increasing phytosterols production and extraction yield based on in vitro plant cell cultures. This method allows a stable phytosterols production, irrespective of geographic, seasonal and environmental factors, with reduced space requirements and simpler purification and scaling-up processes. The research group is looking for companies interested in acquiring this technology for its commercial exploitation.

New pharmacological chaperones for treatment of Gaucher disease

(Ref: 11 ES 28G2 3KIV)

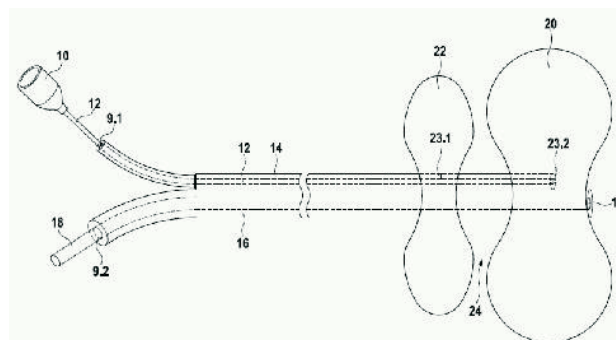
A Spanish public research organisation has developed aminocyclitol derivatives that act as pharmacological chaperones of the glucocerebrosidase enzyme, restoring its activity at nano and subnanomolar concentrations. These compounds may have application as drugs in the treatment of Gaucher disease, including the lethal type II, which has no treatment yet. Partners from the pharmaceutical industry are sought for the development and commercialization of the technology under a patent licence.



Catheter for treatment of preterm premature rupture of membranes

(Ref: 11 DE 1169 3KLE)

A German university has developed a new catheter that enables efficient and secure treatment of Preterm premature rupture of membranes (PPROM) before the 37th week via a subcutaneous Port system for long-term saline infusion into the amniotic sac. Thus, the pregnancy could be prolonged after PPRM avoiding the occurrence of the pulmonary hypoplasia. The university seeks cooperation partners for the development of a prototype and also offers licensing agreements for production and distribution.



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FIND NEW INTERNATIONAL BUSINESS PARTNERS



What is matchmaking?

Matchmaking in the business sector is all about getting a lot of different companies and organisations from a particular sector to meet at a matchmaking event, and to help them create new national and international working relationships.

During these matchmaking meetings, which can be run over 1-2 days, participants can meet new potential business partners. Meetings are normally arranged in advance, and can typically last for 30 minutes, which is enough to see if there is the potential for future co-operation. Matchmaking is the quickest and cheapest way to build up new contacts in other countries.

Most matchmaking events are held in connection with international trade fairs and give your company the chance to meet with other businesses relevant for you – whether your visit is to buy, sell or simply to learn about new technologies.

There are many matchmaking events in Europe and a small selection is shown in this edition of TechMatch. If you want to hear more about an event, or wish to take part, please contact one of our consultants.

International Matchmaking Events

NANOSCIENCE AND MICRO-NANOTECHNOLOGY BROKERAGE EVENT 2011

Within the framework of international event IMAGINENANO, the Enterprise Europe Network Basque organises the brokerage event focused on nano and microtechnologies and their applications in various industrial sectors.

ImagineNano, one of the largest European Events in Nanoscience & Nanotechnology will take place in Bilbao from 11 to 14 April 2011 at BEC. It is organised by Phantoms Foundation, CIC nano-GUNE, Donostia international Physics Center and the University of the Basque Country. Extensive thematic conferences will be held in parallel and a huge industrial exhibition carried out with the latest nanotrends for the future.

The aim of the ImagineNano Brokerage Event 2011 event is to encourage meetings between technology developers and technology users in order to foster technical cooperation in the field of micro & nanotechnology.

Companies, technological centers, research and development institutes, research laboratories, universities and private researchers have opportunity to:

- present their know-how and innovative technologies
- find new technological solutions
- meet potential business partners
- find partners for collaborative European R&D projects
- make new international contacts

Further Information

<http://www.imagenano.com>

**Date:**

13 April 2011

City/country:

Bilbao, Spain

Sectors:

Medicine, health
Biotechnology
Pharmaceutical
Cosmetics
Energy
Industry

Registration:

25 March 2011

CHEMIKA 2011

Regional Centre for Innovation and Technology Transfer in Szczecin, ZukunftsAgentur Brandenburg, Szczecin International Fair and Westpomeranian Chemical Cluster "Green Chemistry" invites to CHEMIKA 2011.

CHEMIKA 2011 is the three-dimensional event, which will take place in Szczecin, Poland between 14-15 of April 2010 in Hotel Novotel in Szczecin, Poland. CHEMIKA 2011 is addressed to the chemical branch and other industries which can support and provide services for chemical companies.

CHEMIKA 2011 will consist of:

- Fairs for chemical industry – where main players from Poland and region will exhibit,
- Conference – where future and main trends in chemical industry will be discussed by representatives of companies, government, associations and international experts,
- Brokerage Event – direct business-to-business (B2B) and business-to-science (B2S) meeting will be organised: unique chance to meet up with Polish and foreign companies providing commercial and technological services for chemical branch

Further Information

http://www.innowacje.zut.edu.pl/index.php/en/CHEMIKA_2010/International_Brokerage_Event/254

**Date:**

14-15 April 2011

City/country:

Szczecin, Poland

Sectors:

Chemical industry
Automation/Robotics
Waste management
Transport

Registration:

1 April 2011

International Matchmaking Events

Update 2011

GET UPDATED! - The latest developments in nanotechnology and its applications. Networking sessions with leading researchers and companies. All neatly packaged. Update 2011 is all about making your life easier.

Update 2011 is aimed specifically at companies - and researchers interested in industry collaboration. Arranged by seven universities and institutes in Denmark and Sweden, the two-day event has four main parts:

Nano today and tomorrow

This is a session that will give you a general background on how and where nanotechnology is used today - and how it is likely to affect the technological development of the future >>

Focused sessions on life, energy and materials

This is where we get specific. In the parallel sessions | life | energy | materials | experts from universities and companies will present the latest developments in their fields, inviting you to join the discussion.

Going nano

Taking the step into the world of nanotechnology opens up new possibilities. It is also likely to raise new questions. Listen and learn from companies that have already made the journey >>

Matchmaking

Having some 150 company representatives and scientists in the same place at the same time usually leads to the exchange of both business cards and ideas. But to make the process more efficient, we will help you set up meetings beforehand

Further Information

<http://www.b2match.eu/update2011>



CONFERENCE & MATCHMAKING
23-24 MAY HELSINGBORG

Date:
23-24 May 2011

City/country:
Helsingborg, Sweden

Sectors:
Nanotechnology

Registration:
6 May 2011

ILSI Biomed 2011

The National Life Science and Technology week presents a cutting edge commercial and scientific program focusing on the latest technologies in the healthcare systems worldwide.

ILSI Biomed 2011 Conference will continue the tradition of keynote speeches and plenary sessions given by industry leaders and leading academicians worldwide. Following last year's success, 60 Israeli companies will be present at the conference offering one-on-one partnering sessions and an extensive exhibition area.

Save the Date! - The 10th ILSI Biomed 2011 will be held May 23-25, 2011 in Tel- Aviv, Israel.

Further Information

Details and further information available at: <http://www.ils.org.il/>



Date:
23-25 May 2011

City/country:
Tel Aviv, Israel

Sectors:
Industry
Chemical industry
Biological sciences
Medicine, health
Biotechnology
Pharmaceutical
Cosmetics

Registration:
Not open yet

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TECHMATCH IS PRODUCED BY

EDITORIAL

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Facts about Enterprise Europe Network

Who are we?

- 580 organisations
- 5000 experienced personnel
- Activities in 48 countries

How can we help you?

- We can help your company find relevant trading partners
- We help SMEs develop new products, open new markets and provide information on EU opportunities
- We advise SMEs on technical issues including IPR, standards and EU legislation
- We operate as an intermediary between entrepreneurs and EU decision makers and can help your company be heard in Europe



Business Support at Your Doorstep

www.enterprise-europe-network.ec.europa.eu