

TECHNOLOGY TRANSFER E-BULLETIN

Date: 30.05.2019



SPAIN

TOES20190513001

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A research team composed by researchers from three Spanish Universities has developed a new family of I2 Imidazoline Receptor ligands with anti-inflammatory and neuroprotective activity, opening a new therapeutic approach for Alzheimer's disease treatment. The compounds are characterized by presenting considerably less cardiovascular side-effects compared to existing ones. A pharmaceutical company interested in developing an Alzheimer's disease drug is being sought for a licensing agreement.

SPAIN

TOES20190514001

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A research group of occupational health and risk prevention sector from Spanish University has designed an innovative tool for the evaluation of existing risks on a construction site. The main innovation is that it adapts to the peculiarities of each work place, capturing the new concept named site risk. The group is looking for companies in the construction sector or risk prevention in construction to adopt the tool under a license agreement.

NORTH MACEDONIA

TOMK20190515001

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A Macedonian producer of building materials is offering an innovative insulating material with enhanced properties. The material is a water-based liquid composition characterised by low thermal conductivity and specific weight, usable in temperature ranges from -60 to +170 degrees Celsius and possessing improved water- and soundproof properties. The company is looking for manufacturers of building materials interested in commercial agreement with technical assistance.

THE NETHERLANDS

TONL20190521001

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An SME in Tubular Membranes for Ultra-Filtration and Forward Osmosis (UF and FO) located in the Netherlands is searching one or more partners to further develop new applications for existing tubular ultra filtration membrane products as well as for Forward Osmosis technology. The client is considering a technical cooperation agreement.

UKRAINE

TOUA20171225001

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The Ukrainian company offers ecologically safe organic fertilizer products. The technology is based on the biological waste recycling. This is a production may be based on sewage sludge recycling. The main advantage of technology is to get a balanced range of essential nutrients and trace elements, enzymes, soil antibiotics, vitamins, hormones of plant growth etc. Cooperation type: licensing or technical cooperation or commercial agreement or joint venture agreement.

UKRAINE

TOUA20190503001

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A Ukrainian company has developed and produced devices of cavitation, that allow the processing of refinery waste products into bitumen and fuel emulsions. Plants/refineries in the EU are being sought to offer them bespoke equipment under manufacturing agreements.

- UKRAINE** [TOUA20190516001](#) [Full text here](#) [Request the address](#)
 The Ukrainian Research Institute has developed a technology of beet juice fermentation by selective lactobacillus. The strains of bacteria in fermentation of juice enrich it with biologically active substances, provide antioxidant, anti-carcinogenic and radioprotective effect. The result of such a fusion is a beetroot drink - a product of functional nutrition. The Institute interested in cooperation with processing companies, canning plants, biofactories on the basis of a license agreement.
- GERMANY** [TODE20190513002](#) [Full text here](#) [Request the address](#)
 A German research institute has developed a method for detecting the critical flow state of gases. Nozzles and diaphragms are used for flow measurements of gases. Above a suitable pressure ratio between inlet and outlet pressure at the nozzle, a critical state occurs in which the volume flow is independent of the pressure behind the nozzle. The offered sensor can detect this state to minimize the energy expenditure for the pressure generation. The research institute is looking for licensees.
- SPAIN** [TOES20190517001](#) [Full text here](#) [Request the address](#)
 A Spanish biomedical research networking center has developed a new strategy for the regeneration of articular cartilage based on an injectable material, looking to establish license, research cooperation or technical cooperation agreements.
- GERMANY** [TODE20190509001](#) [Full text here](#) [Request the address](#)
 A German company specialized in embedded wireless long-range networks (LPWAN) offers a ready-to-use flexible and scalable sensor network based on LoRa™ technology. This private network infrastructure can be integrated in existing or planned monitoring systems to collect and transmit operational data such as metric sensor data or status information to optimize industrial and logistic processes. The company is targeting research co-operation and commercial agreements with technical assistance.
- ITALY** [TOIT20190402001](#) [Full text here](#) [Request the address](#)
 An innovative Italian manufacturer of revolutionary furniture, for homes and hospitals has developed a mattress with ventilation technology, which integrates a ventilating system to bring forced air in contact with the user, at the desired temperature when sitting on a chair or lying on bed. This company is looking for IP licensing, joint venture agreements and research cooperation agreements.
- FRANCE** [TOFR20190321001](#) [Full text here](#) [Request the address](#)
 A French spin-off has scaled-up years of research and development in the technology of spark plasma sintering using a wide range of metals, mineral and organic materials for applications in the aerospace, defense, automotive and luxury industries. The company is looking for partners in these sectors or other sectors requiring high-quality and performance parts for a technical cooperation first and/or a manufacturing agreement.
- FRANCE** [TOFR20190509001](#) [Full text here](#) [Request the address](#)
 A French SME offers its knowledge and expertise in solid state fermentation to scale-up any food or non-food based raw materials fermentation process from demonstrator stage up to the first tons of production under technology cooperation. Its skills ranges from cereals, rice and pulses malting through aspergillus to stabilisation and scaling-up at industrial stage (e.g. from volumes of about 500 g produced in laboratory conditions to 500 kg or 1 ton of industrial products).
- SLOVENIA** [TOSI20190513001](#) [Full text here](#) [Request the address](#)
 A Slovenian company with a 40-year tradition in automatic systems for product assembly is offering a patent pending hexapod technology as a reconfigurable alternative to dedicated jigs and fixtures in automated production lines. The company is looking for automation integrators for technical cooperation under commercial agreement with technical assistance and an investment partner for collaboration under an investment agreement.

- SPAIN** [TOES20190404004](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a new composition to prevent, alleviate, ameliorate and treat diseases or disorders related to Parkinson's disease. A license agreement or an technical cooperation agreement for a public or private partnership for the further development of the patented composition is sought.
- SINGAPORE** [TOSG20190508001](#) [Full text here](#) [Request the address](#)
A Singapore-based technology SME has developed a transdermal delivery system that delivers the water-based active ingredient into the bloodstream through the skin. The trade-secret formulation comes in the form of an applied-on cream. Water-based active molecules are delivered across the skin in a sustained manner, facilitating delivery into the bloodstream for better absorption. The SME seeks research cooperation manufacturing partnerships with MNEs or SMEs or all sizes.
- GERMANY** [TODE20190521001](#) [Full text here](#) [Request the address](#)
A German company specialized in rubber-based extrusion products developed new rubber safety profiles for rail-based traffic systems. The cost-efficient and highly durable bike-safe rail tracks are applied in rail covers and rail crossings in inner cities with high rail and bike traffic, thus preventing bike accidents and making cycling safer. Seeking companies and public authorities with interest in traffic engineering and planning for commercial agreements with technical assistance.
- ITALY** [TOIT20190520001](#) [Full text here](#) [Request the address](#)
An Italian company manufacturing measurement devices for scientific labs has developed a cheap, highly sensitive and real time radon detector for different applications like indoor and underground ambients, automatic ventilation systems and radon suppressed systems. Radon is cancer-causing radioactive gas, a hot topic in USA and EU. Companies in the gas detectors market interested to adopt and commercialise the radon detector device are sought for commercial agreement with technical assistance.
- SPAIN** [TOES20181228001](#) [Full text here](#) [Request the address](#)
Spanish company from Madrid with expertise in the extraction, chemical characterization and purification of bioactive compounds from plants has developed an innovative business model for the extraction of bioactive compounds from by-products. The collaboration types they are interested in are manufacturing agreements and research cooperation agreements.
- DENMARK** [TODK20190513001](#) [Full text here](#) [Request the address](#)
A Danish company has developed a breakthrough nanometer-thin adhesion technology enabling easy bonding of metal, glass and other materials to plastics. The nanocoating is invisible, extremely strong and can endure harsh conditions, while chemically safe, environmentally friendly and designed for easy disassembly of components. They are looking to license the technology to production companies in various industries which are developing new products, launching new business strategies etc.
- GERMANY** [TODE20190507001](#) [Full text here](#) [Request the address](#)
A German company offers very economic and ecologically sound sediment solutions for reservoirs, rivers and other hydraulic infrastructure. It works with specially equipped hydraulic tools. Reservoirs do not have to be emptied during the process. The innovative process is customised to the respective conditions. Reservoir operators or river authorities are sought for licensing agreements.
- GERMANY** [TODE20190521002](#) [Full text here](#) [Request the address](#)
A German engineering company offers effective pre- treatment of industrial wastewater with a patented microflotation technology. Microflotation can be easily integrated into existing concepts. The technology works by ultra-fine gas bubble filtration and shows good results in reduction of chemical oxygen demand (COD). It is environmentally friendly as chemicals are dosed according to exact requirements. Partners are sought for licensing and commercial agreements with technical assistance.

SINGAPORE [TOSG20190507001](#) [Full text here](#) [Request the address](#)

A Singapore SME has developed a robust, industrial grade sensor hub solution that significantly eases the IoT deployment for commercial applications. This advanced engineering device is scalable, allows the rapid sensor deployment through a patented, single touch approach, and offers quick modification and adaptation of the sensors for different applications. The SME seeks licensing or commercial agreements with technical assistance with MNEs or SMEs of all sizes.

GERMANY [TODE20190423002](#) [Full text here](#) [Request the address](#)

German-Sino SME provides all-in-one R&D /commercialisation services and biocatalytic solutions via an enzymatic, microbial platform technology. It leads to major time savings, state of the art high throughput screening with 500,000 CPU (central processing unit) hours/year, high accuracy and consistency. They look for industrial/academic partners from chemical, pharma, food, home care, material industry for R&D cooperation, e.g. new synthetic routes to speciality/fine/pharmaceutical chemicals.

GERMANY [TODE20190312004](#) [Full text here](#) [Request the address](#)

A German university developed a solution to improve the signal quality between optical layer waveguides. By individually adjusting the angle, step width and height, it is possible to minimize the transmission losses, or (almost) completely avoid them. The university offers a license agreement and a technical cooperation agreement.

FRANCE [TOFR20190410001](#) [Full text here](#) [Request the address](#)

A French biotechnology SME has developed an innovative DNA labelling technology for real-time imaging of living cells or organisms. This patented technology has been applied to various fields of investigation such as virus/viral vector high resolution imaging, compound screening, chromatin dynamics study in mammalian cells and yeast. Partners sought are academic or industry labs willing to use the technology under a research or technical cooperation agreement or also a licence agreement.

BELGIUM [TOBE20190521001](#) [Full text here](#) [Request the address](#)

A SME Brussels-based company designs and builds lightweight foldable and modular ecobikes. The company has been awarded with renowned prizes for their innovative bike's design. The bikes can be complemented with a battery and motor to convert them into electrical bikes. The foldable bike weights up to 13kg in that case. The modular bike can be converted into cargo bike to load up to 155kg. It seeks a bike retailer already active in the market to enter into a joint venture or commercial agreement.

ITALY [TOIT20190521001](#) [Full text here](#) [Request the address](#)

Biology and biotechnology department of an Italian University developed an efficient system to produce recombinant proteins in mammalian cells in culture to be used as drugs or for structural biology studies. The company is looking for pharmaceutical companies, universities and research centers, under a technical cooperation and service agreement.

BELGIUM [TOBE20190508001](#) [Full text here](#) [Request the address](#)

Neurodevelopmental disorders may impair motricity, behavior, language or cognitive capacity. A Belgian university research group develop models of cerebral cortex development. The group used this comprehensive set of models to demonstrate that inhibitors of unfolded protein response activation pathway stand as potential therapeutics to treat or prevent neurodevelopmental disorders, and is seeking for research collaboration with companies in the field.

ALBANIA [TRAL20190521001](#) [Full text here](#) [Request the address](#)

It is an Albanian company, founded in Elbasan in 2008. It operates in collection, conservation, packaging and trade of various food products. Its activity is focused also in the production and processing of olives. Being such, the company is interested to find potential partners for cooperation under commercial agreement with technical assistance.

- SPAIN** [TRES20190503001](#) [Full text here](#) [Request the address](#)
 Spanish building company is looking for partners able to develop modular industrialized houses under a joint-venture agreement. The houses should be easily transported, ecological, sustainable, human size and preferably made of wood. The construction technology should allow to use all types of new materials and systems in order to serve the market that is developing in the South of Europe and already functioning in the North.
- UKRAINE** [TRUA20180324001](#) [Full text here](#) [Request the address](#)
 Ukrainian company specialized in manufacturing instruments for control of operational process at metallurgical plants is looking for the technology owners, business partners, investors. The main company's objective is reduction of the significant losses of electricity in the process of compressed air production and related losses in electricity network and overloading of compressor capacity. The company is interested in seeking for technology and investments for equipment.
- UKRAINE** [TRUA20180324002](#) [Full text here](#) [Request the address](#)
 A Ukrainian food company specialized in butter and dry powder milk production, seeking milk drying technology and multi-purpose dryer equipment to improve the plant's resource efficiency. They are looking for suppliers under either a license agreement or a manufacturing agreement.
- GREECE** [TRGR20190419001](#) [Full text here](#) [Request the address](#)
 A Greek SME has developed an advanced simulation in-house software package which is applicable in various sectors such as aerospace & aeronautics, healthcare, industrial equipment, oil & gas. The company is currently looking for cooperation with other relevant entities that could contribute to further develop the software by bringing new engineering challenges, under a technical cooperation agreement.
- SPAIN** [TRES20190513001](#) [Full text here](#) [Request the address](#)
 A Spanish software development company, specialised in developing tailored software, is looking for a manufacturing company specialised in the construction of load-bearing structures as wind turbine towers, high voltage towers or telecommunication towers, to assist in the improvement and validation of the server, e.g. by providing real data for validation or feedback to improve performance. The company would like to reach a technical cooperation agreement.
- SPAIN** [TRES20190509001](#) [Full text here](#) [Request the address](#)
 A Spanish company specialized in the manufacture of electrical material and worldwide leader in the heating elements market is looking for a thick film heater technology under a technical cooperation agreement
- THE NETHERLANDS** [TRNL20190430001](#) [Full text here](#) [Request the address](#)
 A Dutch wholesale company specialized in food and drink products is looking for new solutions for the distribution of fresh, chilled and frozen products in an overcrowded city center. Collaboration based on a research cooperation agreement or a technical cooperation agreement. This technology request refers to an innovation challenge published on an open innovation platform.
- BELGIUM** [TRBE20190114001](#) [Full text here](#) [Request the address](#)
 The Belgian SME is active since 20 years in the field of equipment for security at work and medical devices distribution, in particular by distributing automated external defibrillators (AED) for years. In association with an experimented anesthesiologist-emergency physician, the company has developed a concept of personal portable device. It is now looking for partner under research cooperation agreement, to develop the prototype and potentially get the product ready for commercialisation.
- ITALY** [TRIT20190520001](#) [Full text here](#) [Request the address](#)
 A major Italian company active in the vending machines production is looking for a paper or biodegradable material producer to develop a new type of paper stirrers dispenser, to replace plastic stirrers. The partner would join in the project under a technical or research cooperation agreement.

THE NETHERLANDS [TRNL20190509001](#) [Full text here](#) [Request the address](#)
The largest bailiff's organisation of the Netherlands guides debtors (consumers as well as businesses) to solve their problems due to late payments. They are looking for new innovative solutions that can help the corporate to extend their bailiff in order to solve the problem of late payments. The Dutch company is offering a long-term strategic relation in a technical cooperation agreement with a service agreement.

THE NETHERLANDS [TRNL20190510001](#) [Full text here](#) [Request the address](#)
The Dutch company is looking for innovative SME's who can offer solutions to assess the validity of third party data and third party trade transactions to improve international trade compliance and security. The cooperation will be in the frame of a research or technical cooperation agreement. This technology request refers to an innovation challenge published on an open innovation platform.

SCOTLAND [TRUK20190514001](#) [Full text here](#) [Request the address](#)
Scottish (UK) R&D SME with their lead market being the European salmon farming industry seek a partner who possess proven expertise in the design, manufacture and servicing of acoustic arrays for the transmission of acoustic frequencies in water. In particular the design and manufacture of transducers, active hydrophones and sonar arrays to protect farmed fish health. Commercial agreement with technical assistance is sought.

SINGAPORE [TRSG20190517001](#) [Full text here](#) [Request the address](#)
A Singapore machining company is seeking technical expertise and know-how in precision ceramic machining. It is looking for experts, consultants and/or organisations with deep technical expertise and knowledge to help develop and establish fine and precise ceramic machining, machined ceramic component cleaning and quality check capabilities. Research, commercial agreement with technical assistance or joint ventures are being sought with SMEs, inventors or research institutes.

AUSTRIA [TRAT20190502001](#) [Full text here](#) [Request the address](#)
An Austrian company from the casting industry is searching for an enhanced communication solution suitable for use in extreme industrial conditions. The proposed technology should be able to exchange process status information along the production line in real time. Envisaged partnership agreements are technical cooperation and commercial cooperation with technical assistance.