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BULGARIA

БЮЛЕТИН ТЕХНОЛОГИЧНО КООПЕРИРАНЕ
бр. 10/ 02.11.2021

Summary **TRES20210920001** **Public link** **Request the address**

A Spanish pharmaceutical company active in the skin care sector is looking for partnering opportunities on new assets in advanced research or preclinical development stages that could be useful for the treatment of dermatological diseases within the frame of a research cooperation agreement or a technical cooperation agreement. This request refers to an open innovation challenge.

Summary **TRGR20211008001** **Public link** **Request the address**

A Greek company active in the energy sector is interested in acquiring proper technology for removing mercury from dust. The partner sought should be able to provide the technology and advise the company on the process required for completing the task independently. Collaboration sought is technical agreement.

Summary **TRKR20210924001** **Public link** **Request the address**

The Korean company is looking for partners under a technical cooperation agreement who are developing/producing methods and apparatus for CT and X-ray image registration which displays a real-time 3D image of blood vessels and the precise location of the guidewire inside the patients' body. The company is also looking for partners developing/producing a master slave system for in/out manipulation (translational motion) of magnetic guidewire microrobot during interventional procedures.

Summary **TRFR20210915001** **Public link** **Request the address**

A French company specialises in equipment for swimming pool for individuals. In order to reduce electricity consumption for cleaning water by filtration system, the SME needs to measure online small turbidity variations to inform the energy management unit to start or to stop the filtration. The SME seeks high-resolution turbidimeters or probes (0.1 NTU). A commercial agreement with technical assistance or a technical cooperation is sought with a long-term partner manufacturing such instruments.

Summary **TRIT20211012001** **Public link** **Request the address**

An Italian industrial group, a world leader in the packaging sector, is looking for start-ups or scale-ups offering innovative technological materials solutions to be applied to the packaging field, preferably at TRL 7, to increase sustainability of its products. Partners will work together in co-development and go-to-market strategy under technical cooperation agreement. This request is part of an open innovation challenges programme.

Summary **TRNL20211020001** **Public link** **Request the address**

A Dutch company is active in the building sector and executes works like renovation and maintenance of real estate in the built environment. One of the major occurring problems in inhabited premises and areas is impact noise. The Dutch company looks for technologies and expertise to reduce impact noise with a result to speed up the implementation process. The Dutch company aims for a technical cooperation agreement with a noise specialist active in the building sector.

Summary **TRIT20211025002** **Public link** **Request the address**

An Italian company, active in catering, is looking for start-ups or scale-ups offering green materials and innovative services for sustainable single portions of food packaging and catering accessories. Partners will work together in proofs of concept or pilot projects under technical cooperation agreement. This request is part of an open innovation challenges programme.

Summary **TRIT20211012002** **Public link** **Request the address**

An Italian healthcare accelerator centre launched the first acceleration program, together with industrial companies, to recruit the best global start-ups and scale-ups able to respond to the new trends for the cardiometabolic and chronic diseases. The selected companies will develop pilot project with the corporates to launch new solutions on the market. Financial, commercial and technical agreements are envisaged depending on the specific pilot project.

Summary **TRIT20211019001** **Public link** **Request the address**

An Italian start-up company working in end-of-life management of IT assets and waste electrical and electronic equipment (WEEE) seeks technical partners in the electronic equipment manufacturing, original equipment manufacturer (OEM) and chemical sector for the valorization of valuable components and secondary raw materials extraction. Potential cooperation types: commercial agreement with technical assistance and technical/research cooperation agreement.

Summary **TRIT20211026002** **Public link** **Request the address**

An Italian hydraulic cylinders manufacturer is looking for innovative and more sustainable coating technologies, preferably at TRL 8, that substitute chromium plating of hydraulic cylinders, to reduce the health risks for workers and the pollution caused by the process. Partners will work together in the co-development of proofs of concept or pilot projects, under technical cooperation agreement. This request is part of an open innovation challenges programme.

Summary TRIT20211026003 Public link Request the address

An Italian company, active in the ceramics and building industry, has developed high-performing epoxy resins for the flooring of buildings. The company is seeking innovative materials and solutions, preferably TRL 8, that can be combined with the company's product for floors and building and reduce its environmental impact, under technical cooperation agreement. This request is part of an open innovation challenges programme.

Summary TRIT20211026004 Public link Request the address

A leading Italian corporation produces and distributes milk and dairy products. The company is looking for innovative live auditing and data gathering solutions, at a minimum TRL 5, for the automation and digitisation of the carbon footprint assessment in dairy barns, within its supply network. The company is interested in a technical cooperation agreement. This request is part of an open innovation challenge.

Summary TRNL20210927001 Public link Request the address

A large Dutch hospital, with various locations, implements a sustainable policy for their laboratory operations and is seeking partners with sustainable solutions and technologies for the liquid waste streams coming from their test laboratories. They are seeking solutions from industry or academia, that have some experience with labs, chemicals, recycling and environmental technologies to collaborate via technical cooperation agreement.

Summary TRNL20211004001 Public link Request the address

A Dutch healthcare organization - consisting of several hospitals - is looking for partners from the ICT / health industry and academic with expertise in developing or providing telemedicine and E-health technologies for preventing medical derailment of chronically ill patients. Cooperation is envisaged within a commercial agreement with technical assistance.

Summary TRIT20211026005 Public link Request the address

An Italian company producing systems for air conditioning, heating, refrigeration and water, is looking for Building Information Modeling software solutions, at a minimum TRL 5, for the digitalisation, standardization and integrated management of the production process, and enabling the prefabrication of industrial plants. Partners will act under technical cooperation agreement. This request is part of an open innovation challenges programme.

Summary TRDE20211001001 Public link Request the address

A German manufacturer of medical devices is looking for a contract manufacturer for their specific sterile single-use syringe. The partner sought should have expertise in manufacturing of medical devices and should already work according ISO 13485 (certificate) and (ideally) MDR (medical device regulation). As the company will be legal manufacturer according to MDR, the partner needs to be prepared to share the technical files according to MDR requirements. A manufacturing agreement is sought.

Summary TRIT20210727001 Public link Request the address

An Italy-based large enterprise active in the field of the meat industry is looking for innovative solutions for improving the overall energy management of its industrial plants. It seeks partnerships either under a commercial agreement with technical assistance or a license agreement.

Summary TOBY20210929001 Public link Request the address

The Belarusian University has extensive experience in research and development in the field of medical electronics, innovative and digital technologies in medicine. The University is looking for industrial and scientific partners for joint projects on research and development of new technologies. They are also interested in participating in projects within the framework of European research funding programs, such as Horizon Europe.

Summary TOBY20210930001 Public link Request the address

Belarusian university has developed a two-sensor gas microsystem on a nanostructured substrate of anodic alumina for monitoring the gas environment. The university is interested in research and technical cooperation with industrial and scientific partners for the joint development and testing of semiconductor gas microsystems.

Summary TODE20211014001 Public link Request the address

A German SME active in laser welding has developed a process for the coating of aluminium welding wires with additional material to reduce failures in the welding seam, increase the penetration depth and to reduce the energy effort in aluminium laser welding. The German SME is looking for international licensees interested in the commercial exploitation of the technology.

Summary TOES20210929001 Public link Request the address

A Spanish research institute focused in primary care offers their Real World Lab for testing in a real environment health technologies, including medical devices, health apps and platforms, AI algorithms, etc…The service includes patient recruitment, testing design, ethics, user experience&usability, quality research and quality stamp. The institute is seeking institutions and companies for research and technical cooperation agreements.

Summary TOES20211005001 Public link Request the address

A Spanish biotech company developed unique microfabrication technique and flow simulation for the development of customised microfluidic devices applied to biomedical applications. The company looks for pharma/contract research organisation that conducts preclinical tests in drug discovery interested in using this technology to reduce time-to-market and costs. The partnership would lead to a development of a specific microfluidic device and licence agreement for its commercial exploitation.

Summary TOES20211006001 Public link Request the address

Spanish nanoscience and nanotechnology research centre has developed an innovative, biocompatible, flexible and modifiable catechol-based membrane for tissue regenerative applications. It shows adhesive properties in water environments, and its chemical properties are tuneable by functionalization with different (bio)molecules. Membrane thickness and size can be controlled by reaction conditions, easy to scale-up. Partners interested in research collaborations or license agreements are sought.

Summary TOES20211013001 Public link Request the address

A Spanish university research group has developed a process to obtain nanostructured silver electrodes with a nanoporous structure in 3D, based on an anti-replication/replication method, by using electrochemical manufacturing techniques. The process also allows to obtain a nanostructured silver electrode with high electrical capacities and also with chromoactive behavior. Companies in the energy field are sought to develop applications of the described invention under license agreements.

Summary TOES20211018001 Public link Request the address

A Spanish research group has developed graphene aerogels with ultra-low density, large microporosity, high electrical conductivity values and high porosity. They are suitable for a wide range of applications in different areas, especially on electrochemical devices, as electrode materials for electrochemical devices such as supercapacitors, batteries, fuel cells and sensors. Companies in these fields are sought to develop applications of the described invention under license agreements.

Summary TOES20211019001 Public link Request the address

A Catalan (Spanish) nanoscience and nanotechnology research centre, has developed a versatile and biocompatible family of mussel-bioinspired polymers with production procedures easy to scale-up, that can be applied as universal coatings, functionalized and applied in different areas, such as anti-bacterial, anti-corrosive or particle entrapment. Partners interested in research collaboration are sought.

Summary TOFR20210921001 Public link Request the address

A French scale-up has developed a package of intelligent digital systems : all-in-one, modular, off-the-shelf hardware, Cloud and Software as a Service (SaaS) to manage in real-time and optimise solutions for public transport networks. The company is seeking technical cooperation, license agreements, commercial agreements with technical assistance with complementary companies (solutions editors, pure players in transportation systems) or end-users in the field of transport and smart mobility.

Summary TOGR20210414001 Public link Request the address

A Greek company, active in the field of thermal imaging, is offering a camera which can detect Foreign Object Debris (FODs) in the landing and take-off runways of airports. The SME seeks to offer its product to commercial partners active in the field of electronic equipment for aircrafts or directly to airports, which are interested installing the system, under commercial agreements with technical assistance.

Summary TOGR20211013001 Public link Request the address

An experienced Greek SME provides thermal imaging products, as well as systems and platforms. The offered products aim to cover dual-use purposes with increased capabilities and competitive features. The products can cover the needs of users for all-weather, high resolution, long distance surveillance. The Greek company is looking for organizations and companies interested in thermal imaging products under commercial agreement with technical assistance.

Summary TORU20211031001 Public link Request the address

A Russian developer is engaged in the development of apparatus with ultra-frequency radiation. The apparatus is used for oil treatment, to increase the yield of target products in the process of pyrolysis of hydrocarbons, for use as an emulsifier. The company is interested in finding foreign partners and concluding a long-term commercial agreement with technical assistance.

Summary TOUA20211005001 Public link Request the address

A novel safety harness is on offer that compared to car seats is very slim and light yet has more points to limit unwanted movement. The inventors are looking for business partners in the car safety field, to progress the invention to market under a joint venture, finance or commercial agreement with technical assistance.

Summary TOUA20211012001 Public link Request the address

A Ukrainian company offers a modern electronic switching system for reactive energy compensation. This system works without a transient process, it is used to compensate for the reactive power of any loads, the time for complete data collection is 3-4 seconds. The benefits of this offer are energy savings, reduced operating costs and a competitive price. Type of cooperation: commercial agreement with technical assistance.

Summary TOUA20211021001 Public link Request the address

Scientists from the Ukrainian R&D Institute have developed a laboratory technique for the individual selection of antitumor drugs in the treatment of cancer patients with various types of solid malignant tumors. The technology allows increasing the clinical efficacy of the treatment of cancer patients into 2-4 times, as well as reducing the financial costs for the treatment by 3-5 times. The Ukrainian R&D institute is looking for partners to conclude license or technical cooperation agreements.

Summary TOFR20211026001 Public link Request the address

A French private clinics network offers a great medical environment for healthcare projects validation. Their clinics are ranked among the best hospitals in France. All medicine and surgery specialties are practiced there. Research and technical cooperation agreements are sought. Their Key Opinion Leaders and their clinical research department will support their partners at each step of their medical innovation development: from the R&D process to the clinical investigation.

Summary TOIT20210923001 Public link Request the address

An Italian SME with strong experience in informatics, electronics and ICT would like to offer technical assistance to foreign partners willing to expand in Italy. The company can operate in the whole country. Offered services are logistics and post sales services, in particular: Warehouse; Help desk and customer service; Remote assistance; Technical assistance and repairs; Installation and configuration of various systems; The SME is interested in commercial agreements with technical assistance.

Summary TOSI20210823001 Public link Request the address

Slovenian researchers developed a device for in situ determination of permeability. The materials are not extracted for the measurement, which is very important for fragile materials. The method is non-destructive and non-invasive. The researchers are looking for partners who would like to adapt the developed prototype to specific requirements and sign licensing and/or research cooperation agreements in the EU and beyond.

Summary TOAT20211012001 Public link Request the address

An Austrian SME with expertise in material science (classification and recycling) and mechatronics developed a mobile and automated process to collect, sort, downsize, reuse, recycle and refurbish glass fiber and carbon fiber containing materials. This solution offers the potential to stop the disposal of hazardous waste and to return it to the state of a valuable material. Partners are sought for commercial agreements with technical assistance, joint venture agreements and license agreements.

Summary TOIT20211008001 Public link Request the address

An Italian company, with a strong academic and research background, offers its consulting services in the field of biodiversity and natural resources. They have a sound expertise in using lichens, mosses and vascular plants as biomonitors of air pollution, climate change and forest management. Industry and research center are sought for research and/or technical cooperation agreements.

Summary TOFR20210729001 Public link Request the address

A French SME, specialising in green vegetal eco-extraction offers the access to its patented electromagnetic extraction technology to develop and produce natural extracts according to technical specifications. Industries with specific plant extraction needs can cooperate with the SME, to design and manufacture natural solvent-free extracts such as cosmetic active ingredients, preservatives and natural colorants. Commercial agreements with technical assistance are sought with industrial partners.

Summary TOIT20210915001 Public link Request the address

A high-tech start-up established in Northern Italy in 2016 has developed in collaboration with research centres and universities an innovative system of LED lamps that allows to increase the quality and quantity of production of phototrophic organisms such as moss, microalgae superalgae bacteria plant and animal cells. Companies and research organisations operating in the production of fermenters and photobioreactors, are sought for commercial agreements with technical assistance.

Summary TOIT20210923002 Public link Request the address

An Australasian company with an office in Italy has 20 years of experience in designing and building biogas with waste-to-energy and wastewater treatment technologies. The company has developed the Bulk Volume Fermenter anaerobic digester applicable for waste-to-energy and wastewater treatment value chains. Final users or system integrators are sought to adapt such technologies to specific applications under commercial agreement with technical assistance.

Summary TOES20211007001 Public link Request the address

A Spanish research centre specialized in ultra-intense lasers, in collaboration with a synchrotron light source specialised centre, have developed a new design of viewport compatible with high vacuum and are looking for collaboration under license, technical or research agreement with any size company or academia of the optic or vacuum systems sectors.

Summary TOUK20211027001 Public link Request the address

UK SME offers exclusive early global market access via a patented scaleable product: a unique off-grid flow-through solar thermal water pasteuriser making clean drinking water. The company seeks commercial agreement with technical assistance, financial agreement, joint venture agreement and/or license agreement. Users get safe sustainable low-cost disinfection, long life & reliability deployable mainly in sunny tropics but not exclusively.

Summary TOFR20211004001 Public link Request the address

A French SME skilled in air jet micronization is offering this technology allowing precise grain size formulation for pharmaceutical or food related powders development. The company is looking for industrial companies in these sectors to assist them in the development of new dry powders based products, from the testing phase to industrialisation, under technical cooperation agreement, and produce new powders under manufacturing agreements.

Summary TOUK20211001001 Public link Request the address

A UK company has developed a floating foundation solution for offshore wind turbines deployed in deep water unsuitable for pile foundations. The solution relies on a new generation concept, has been fully tested and is patent pending. The UK company is looking for partners to licence the technology or interested in a commercial agreement with technical assistance. The company is also seeking investors for financial agreement.

Summary TOFR20210707001 Public link Request the address

A French SME has developed a technology which consists of setting up an infrastructure to broadcast the legal UTC time of a country in Time as a Service mode.The technology allows to augment cybersecurity and operation resilience by ensuring time integrity and traceability to end users throughout the distribution chain. The SME is looking for partners mainly for commercial agreement to sell the infrastructure with local technical assistance in installation, commissioning & maintenance.

Summary TOPL20210823001 Public link Request the address

A leading Polish medical university has developed an innovative medicinal product, based on roxithromycinfor, that can be used for treatment of acne vulgaris and androgenetic alopecia. It is now looking for foreign licensees that are willing to obtain IP rights to this formula and introduce it to the market.

Summary TODE20210915001 Public link Request the address

A German SME having a wide experience in the development of customized in-situ groundwater and soil remediation is looking for partners from industry and research to develop new remediation technologies/processes and to carry out remediation projects. Co-operation could be under a research or technical agreement. Their competencies include new biological-chemical and physical in-situ methods and technologies in combination with innovative drilling and exploration performances.

Summary TOSI20210928001 Public link Request the address

Researchers at a Slovenian research institute have discovered a new class of compounds for potential use in combinational chemotherapy treatments of cancer. Compounds display promising anticancer activity, along with a promise of an improved safety profile compared to established chemotherapeutics and they can be easily integrated into existing chemotherapy regimens. The partner sought is a pharmaceutical or biotechnological company for license and research cooperation agreement.

Summary TOLU20211001001 Public link Request the address

A research team from an university in Luxembourg has identified a new biomarker to early diagnose patients with colorectal cancer. This enhances patients' chances of survival and disease cure. The Luxembourg university is willing to engage with a diagnostic company to further develop and commercialize the biomarker, through license agreement or technical cooperation agreement.

Summary TODE20210929001 Public link Request the address

A Northern-German spin-off company offers technical cooperation agreements on feasibility assessment and further development of high-value applications based on the biopolymer lignin. Cooperation is offered to companies looking for sustainable biobased material alternatives, possible applications are for example cosmetics, food, composites, fabrics, porous materials, coatings, fibers or adhesives.

Summary TOES20211005002 Public link Request the address

A Spanish biotech company developed a new vessel-on-a-chip with a range of angles and structures able to test the effect of vascular geometries related with differential wall shear stress and flow dynamics. The company looks for commercial agreement with technical assistance with academic institutions and pharmaceutical companies from biomedical field dedicated to deep vascular research, drug discovery, therapeutic target validation, etc. interested in advanced in vitro validation models.

Summary TOES20211014002 Public link Request the address

A team of Spanish researchers specialised in supramolecular chemistry and parasitology has developed a new polymer useful as a general-purpose artificial vector for delivery of genetic material (DNA and RNA). The compound is thermally and chemically stable, non-toxic and effective for transfection of eukaryotic cells, single-cell parasites and bacteria. The team intends to license its use to companies interested in exploiting transfection technology for biomedical and biotechnology applications.

Summary TOES20210909001 Public link Request the address

A research team from a Spanish university specialized in the field of sedimentology has designed a microscope plate to carry out sediment counting and compositional analysis in a much more efficient and accurate way than current methods, facilitating the field work of geologists and biologists thanks to its design and compatibility with existing laboratory equipment. The team intends to license the device to analytical instrumentation companies for its manufacture and global distribution.

Summary TODE20211014002 Public link Request the address

A German university offers a model that can be used to analyse tumour growth, tumour angiogenesis and therapeutic effects on a 3D-printed cell model. No animal tissue is needed. Therefore, this 3D-printed tumour model represents an ideal in-vitro-prescreening system for testing pharmaceuticals and diagnostics and might be able to circumvent or at least reduce the number of animal tests in drug development. Licensees are sought.

Summary TODE20211007002 Public link Request the address

Lab-on a chip applications often need to be able to measure the smallest currents on CMOS (complementary metal-oxide semiconductor) chips. A German university offers a new measurement circuit, an offset and 1/f noise compensated current-to-digital conversion that can be integrated directly on the chip. Thus a current measurement can be realized cost-efficiently over a very large measurement range (fA - µA). License agreements are offered.

Summary TODE20211008001 Public link Request the address

A German university offers a new method for microwave thermography that uses a commercially available high definition (HD) optical camera and an indicator plate to convert microwaves into a high-resolution, digital field distribution. It has a larger measuring range as the developed indicator plate allows microwave thermography between 1 GHz and 300 GHz. License agreements are offered.

Summary TOES20211004001 Public link Request the address

Spanish SME produces Tenebrio molitor insect frass which is the first insect derived fertiliser registered for organic agriculture. It shows outstanding chemical and microbiological properties which have proved beneficial for plants by increasing their abiotic resistance to harsh climate conditions and improving their health and immune system. The SME is interested in commercial, technical and especially in research cooperation under LIFE 2021 programme with academia or industry.

Summary TOIT20210909001 Public link Request the address

An Italian laboratory offers its industrial tomographic services allowing inspection of objects without altering their integrity. These tests provide precise analysis of internal geometries and offer economic savings. Such acquisition is impossible with any other techniques.
The lab is looking for industry partners under commercial agreement with technical assistance and for Academia partners to apply for R&D European programmes under research cooperation agreement.

Summary TOIT20211012001 Public link Request the address

An Italian research team has developed an innovative low-cost stand-alone intelligent instrument for underwater image acquisition and processing.The technology is based on algorithms that combine computer vision and artificial intelligence methodologies aimed at providing an interpretation of the image content, optimizing the transmission of the image relevant content and adaptively changing the camera behaviour. The researchers are interested in commercial agreement with technical assistance.

Summary TODE20210914001 Public link Request the address

A scale-up company from North Eastern Germany developed a bio-compatible emergency wound dressing that can stop bleeding fast and that allows for a less traumatic follow up treatment. The research oriented company searches for project partners for technology transfer, licensing or advanced development of products for wound care, based on special composites. The cooperation is possible under research cooperation or licensing agreements or by commercial agreement with technical assistance.

Summary **TODE20211007001** **Public link** **Request the address**

A German university's invention uses an individualized foot dummy to provide the possibility of examining the lower leg orthosis in order to enable adequate immobilization. To achieve this, the supporting leg is scanned and then additively manufactured in individual parts. Patient care is thus improved. A prototype is available. The university offers license agreements.

Summary **TOES20211027001** **Public link** **Request the address**

A Spanish research group has developed an economic, fast and high-performance method for manufacturing fiber reinforced composite dental posts. The resulting product is suitable for its use in dentistry and solves the two main problems in the existing manufacturing processes: fiber agglomeration and heterogeneity, while maintaining its advantages. The university is looking for companies interested in licensing this patented technology.

Summary **TOES20210929002** **Public link** **Request the address**

A Spanish university has developed an electric motor whose piston surrounds a coil. The motor has a mobile and fixed piston, connected to a power source, which induces a magnetic field generating attractive and repulsive movements, with sufficient force for applications in industrial machinery as loading and unloading, large boats or heavy vehicles.The entity is looking for partners from companies related to electric motors interested in licensing this technology.

Summary **TOES20210929003** **Public link** **Request the address**

A Spanish university together with a genomics research institute have identified a new group of single nucleotide polymorphisms related to the risk and aggressiveness of malignant melanoma. An in vitro method was developed for the diagnosis or prognosis of malignant melanoma and to determine whether these patients respond adequately to a treatment. The entities are looking for companies working in the field of oncology interested in licensing this patented technology.

Summary **TOES20211014001** **Public link** **Request the address**

Research groups from two Spanish universities have identified a new compound that affects the enzyme responsible for the digestion of dietary fats and thus can be used for the treatment of obesity and hyperlipidemia. Both entities are looking for partners from companies which are interested in licensing this patented technology.