

## **TÜM ORTAKLIK DUYURULARI**

### **210214-EEN-1130**

**Title:** Partner Search for H2020 - NMBP-20-2018: Software house required to design and build a digital platform that will enhance the ability of EU welding equipment companies to provide consumables of the highest quality (RDUK20171212001)

**Description:** An East of England based research centre is developing a proposal for the H2020 - NMBP-20-2018. The project aims to develop a digital platform that will enhance the capability and capacity of EU manufacturers and suppliers of welding equipment to provide consumables of the highest quality. This will boost the global market competitiveness of European welding equipment manufacturers.

**Partner Sought:** A well renowned European software house is required to complete the project consortium. The partner will be required to design and build the digital platform within the project. They will also be expected to integrate the outputs from the other consortium partners and third-party beneficiaries.

**Deadline:** 22.02.2018

### **210214-EEN-1131**

**Title:** Partner Search for EUREKA/Eurostars2: Development of a solar tracker controller (RDKR20171026002)

**Description:** A Korean SME specialized in network-based system construction is looking for partners to develop a non-central processing unit's solar tracking system. The objective of this proposal is to develop a non-central processing unit's (CPU's) solar tracker and mini direct current uninterruptible power supply (DC-UPS). The characteristics of non-CPU controllers are a long and trouble-free life. The embedded controllers are controlled in parallel and are easy to operate and install. The mini DC-UPS unit is an uninterruptible power supply which guarantees power supply in the event of a power cut or circuit break and can be used in all devices using DC power.

**Partner Sought:** The potential partner is expected to have expertise in solar tracking controllers and solar plant planning. Tasks to be performed by the partner are to develop Non-CPU and mini DC-UPS units, and cooperate to establish consortium for bilateral or multilateral joint-researches.

**Deadline:** 01.02.2018

### **210214-EEN-1132**

**Title:** Partner Search for testing activities and validation of internet of things (IoT) system for epilepsy supervising (RDES20171031001)

**Description:** A Spanish research organization is looking for additional partners for an Iberoeka project proposal, in the field of digital health. The project aims to develop a new integrated system for epilepsy monitoring based on: smart bracelet, IoT (internet of

things) platform, predictive models and specific app. The main objective of the project is to develop a new low-cost system for epilepsy supervising based on personalized models, and to demonstrate its technical feasibility, in order to achieve a new product that can meet the needs of patients and healthcare professionals. The leader of the project in Spain is an electronic devices manufacturing company, with a several collaboration of the research organization. The project also involves partners from other countries like Argentina.

**Partner Sought:** The research organization is looking for public e-health managers, private health entities and insurance companies operating in the field of personalized and digital health, which are interested in the project outcomes, for testing activities / validation of the demonstrative prototype.

**Deadline:** 28.12.2017

## 210214-EEN-1133

**Title:** Partner Search for EUROSTARS2: Korean company is seeking R&D partners for developing low-cost, high-efficiency photovoltaics (RDKR20171124001)

**Description:** A Korean SME specialized in developing nano-ball technology is preparing a project proposal under the EUROSTARS2 programme. The R&D project is about low-cost, high-efficiency photovoltaics using semiconductor nanocrystals. Through the project, the consortium aims to maximize photoelectric current by generating multiple exciton by a fundamental change of material. By collaborating with the European research institute/company's assistance, e.g. the platform which controls multiple exciton generation, photoelectric current over  $23\text{mA/cm}^2$  is expected to be achieved.

**Partner Sought:** The Korean consortium would like to find a partner from Europe with an advanced technology in quantum dot and multiple exciton generation. A quantum dot is a very small particle which absorbs the wavelength over a band gap. Excitons are electron-hole pairs that are formed when light interacts with certain materials.

**Deadline:** 28.12.2017

## 210214-EEN-1134

**Title:** Partner Search for NMBP-22-18: Osteoarticular tissues regeneration; development and manufacturing of electrospun innovative devices. (RDFR20171122001)

**Description:** A French SME provides contract R&D and manufacturing devices in the biomedical field and microtechnologies. Electrospinning allows the manufacturing of materials made of nano- and microfibers. Such materials can be used for regenerative medicine, drug delivery, filtration and coating metallic parts. The company's expertise focuses mainly on class I and III medical devices, like long-term implants, active medical devices, advanced transluminal technologies and in vitro diagnostic devices. The devices, developed and manufactured by the company are in all medical fields, like cardiology, neurology, ophthalmology, urology and orthopaedics. The company also has the know-how to electrospin bioresorbable and non-bioresorbable polymers and is always interested in electrospinning new polymers,. The company has developed electrospun patches loaded with drugs.

**Partner Sought:** Industrial partners are sought working mainly in the healthcare sector and willing to explore, test, design, and manufacture new devices based on the

electrospinning technology. The company has a strong interest in developing electrospun materials in all the following fields: cardiology, neurology, ophtalmology, urology and orthopaedics. New challenges in tissue regeneration and drug delivery systems would also be welcome. The partners they are looking for (coordinator and end-users), will be in charge of their workpackage. They will contribute to the good realisation of the project.

**Deadline: 14.01.2018**

## **210214-EEN-1135**

**Title: Partner Search for H2020-SFS-16-2018: Development of monitoring device for food safety and nutritional quality (RDCY20171205002)**

**Description:** The Cypriot company is proposing the development of a nutritional quality and food safety monitoring device based on an innovative biosensor. Through the expertise the company possesses in hardware and software development it can evolve its in-house compact, easy to use, and mobile biosensor device, designed for field use, to measure the levels of many different indicators of food quality and food safety such as pesticides, nutrients, preservatives or growth hormones. The device can be used by food processing companies, food distributors or even the general public. The company wishes to collaborate with food processing companies to address their need for testing the safety and quality of their products before and after they are processed. This will allow higher quality products to reach the market and it will be an essential tool for validating and evaluating new processing methods. The biosensor based device can be also a useful tool for companies which are involved in regional distribution of less processed food, since it will be used as a fast validation method (results given within minutes) for the nutritional quality and safety of their food.

**Partner Sought:** A Cyprus company specializing in sensors, is looking for Universities, research organizations for new antibody development, Food production, distribution businesses, pesticide free farmers, food laboratories for sample acquisition and testing to develop and commercialize an innovative device to measure the levels of indicators of food safety and quality such as pesticides, nutrients, preservatives or growth hormones for a proposal in the "Towards healthier and sustainable food" call.

**Deadline: 15.01.2018**

## **210214-EEN-1136**

**Title: Partner Search for Eurostars 2: Development of Stem cells therapeutics**

**Description:** The Korean SME business area covers providing research material supplies, service and developing stem cell therapy. The Korean SME focuses on new inventions and the development of new products and treatment strategies in regenerative medicine. The company business area covers providing research material supplies, service and developing stem cell therapy based on strong backgrounds in biotechnology and multi-disciplinary collaboration. They are now planning to develop stem cell therapeutics through the Eurostars2 Project. As a specialized technology company, the company holds a large number of original patents related to stem cell research and 3-dimensional (3D) culture system. The Korean SME is an expert in the production of stem cells in uniform undifferentiated state and in directing differentiation of stem cells by reconstructing 3D and physical factors in culture. Based on these skills, they produce 3D organ model (skin,

hair follicle, and bone) and therapeutic candidates (smart cell bone) for human and animal.

**Partner Sought:** The Korea Company is looking for an SME, or university in the field of stem cell, and biotechnology relevant topics. The expected partners should have various experiences conducting research and development, and applications to industry.

**Deadline:** 01.02.2018

## 210214-EEN-1137

**Title: Partner Search for EUROSTARS 2: Korean Company specializing in compound semiconductor substrates and templates is seeking a partner to integrate UV LEDs or power electronic devices on their templates (RDKR20171201002)**

**Description:** The Korean maker of compound semiconductor substrate (a supporting material on which a circuit is formed or fabricated) and template has been in the semiconductor industry for the past 10 years. The company produces Gallium Nitride (GaN) wafer and template for HB (High brightness) LEDs and Power electronics applications. Another main product by the company is Aluminum Nitride(AlN) and Aluminium Gallium Nitride (AlGaN) template for UV LEDs and power electronics applications. The company has expertise in growth technologies of nitride semiconductors and mechanical polishing and chemical mechanical polishing technologies for the Gan, AlN, AlGaN compositions.

**Partner Sought:** The company is interested in finding partners to improve the quality of UV LEDs or power electronic devices on the company's AlN and/or AlGaN template. Potential partner is expected to develop and evaluate the UV LEDs or power electronic devices on the company's AlN template using their own technology, give feedback of the results and request for the necessary requirements from the company to improve the product, develop and evaluate the UV LEDs or power electronic devices on new AlN template using the partner's own technology.

**Deadline:** 20.02.2018

## 210214-EEN-1138

**Title: Partner Search for Erasmus+ project: Companies sought to host researchers of a post-graduate programme on bio-entrepreneurship for training (RDGR20171205001)**

**Description:** A university and a research centre in Greece are looking for companies to host researchers of a post-graduate programme on bio-entrepreneurship for training under a funded ERASMUS+ project. The companies should have expertise in research in the fields of life sciences, biotechnology, pharmaceuticals, cosmetics diagnostics or food. Students should be hosted by the research & development or marketing/business planning departments. Trainee costs will be covered by the project.

**Partner Sought:** Company to host researchers as trainees. Experience of training young researchers in the fields of:

- Life sciences
- Environmental & Plant Biotechnology
- Molecular and Biochemical Diagnostics
- Pharmaceuticals, Oncology, Cosmetics including plant based compounds
- Food

As well as R&D-related aspects, the training company should also offer knowledge of entrepreneurship and legal frameworks in the relevant field(s).

**Deadline: 22.01.2018**

## **210214-EEN-1139**

**Title: Partner Search for Eurostars project: Recycling operator sought for Eurostars project to make geopolymers concrete from waste glass (RDUK20171206002)**

**Description:** This UK Company is a pre-cast concrete manufacturer of giant interlocking blocks. Blocks are made to clients' needs with regards to concrete strength and durability. The company is flexible in its approach to the clients needs and also works for a circular economy concept with waste management companies to utilise by-products such as pulverised fuel ash (PFA), ground granulated blast-furnace slag (GGSBS), and other suitable ashes as an additive for specific clients. The concept of processing waste materials into valuable end products, such as blocks for building, whilst hugely reducing the current processing or disposal costs and significantly improving environmental performance in terms of reduction land fill and reduced CO<sub>2</sub> emissions has been proven to be successful in a SME Instrument phase 1 project.

**Partner Sought:** Recycling operators active in waste glass particularly, glass crushers are sought to join a Eurostars project. They would be expected to utilise sodium silicate waste stream, Utilise the precipitated salt mixture to provide the amorphous aluminosilicate component of the UK company's geopolymers, Potentially use a portion of the sodium silicate stream to generate colloidal silica, to further increase strength.

**Deadline: 26.01.2018**

## **210214-EEN-1140**

**Title: Partner Search for H2020-EIC-FTI-2018-2020 Fast Track to Innovation: Development of a biosensor device as a monitoring tool for pesticide residues (RDCY20171205001)**

**Description:** The SME concerned is an early Bioelectric Recognition Assay (BERA) technology licensed Cyprus-based operating company since 2008. BERA is the core technology behind a series of multi-analyte diagnostic methods based on biosensors. The current state of development is a well-optimized laboratory-based biosensor prototype developed by the company over the past few years of research projects such as FP7 Research for SMEs Project and Business innovation project of Ministry of Energy, Commerce, Industry & Tourism of Cyprus. The aim of the project is to expand the range of pesticides the prototype sensor detects and validate the device in real operational environments in order to reach a Technology Readiness Level 8-9 for commercialization.

**Partner Sought:** A Cyprus company specializing in internet of things and sensors, is looking for universities, research organizations for new antibody development. Also food production and distribution businesses, pesticide free farmers, food laboratories for sample acquisition and testing to develop and commercialize an innovative screening biosensor as a cheap, easy to use method for pesticide residue detection in fruit and vegetables, for a Fast Track to Innovation proposal (H2020-EIC-FTI-2018-2020)

**Deadline: 21.01.2018**

## **210214-EEN-1141**

**Title:** Partner Search for H2020-SFS-06-2018 Development and test of a web platform along with a portable diagnostic system for integrated pest management (RDCY20171205003)

**Description:** The Cypriot SME is proposing a system that will allow members of food chain production, to use Decision support systems to decrease the necessary paperwork and increase the number of checks during production, transportation (logistics) and pest monitoring, until food reaches the consumer. The expected benefit from this project is that the IPM platform and sensor will support sustainable growth and ensure consumers' health. All the various members involved in the food chain will be able to submit their test results in the platform and the way of testing. The Logistic companies will have to monitor specific conditions such as temperature and hydration. This will enable actors involved in the food chain to increase monitoring for pest related and other necessary conditions for food processing.

The consortium will also utilize the portable diagnostic system with a built in innovative sensor developed for specific pesticide monitoring, to empower the value of checks and proper documentation. Using the platform consumers will have a clear picture on what they are buying from the grocery stores and the multiple agents of the food chain will minimize the complexity of a fully problematic and high cost process. Most importantly, the platform will guide farmers and institutions with proper tools for constant monitoring of pesticide levels and changes in regulation, so that pesticides are used according to the actual daily or weekly needs of their crops thus minimizing pesticide overdose and saving them from unnecessary costs and damage. Also, the platform will suggest alternative methods than pesticide use for IPM which are in line to agro-ecosystem and other natural mechanisms according to the needs and legislations of EU.

**Partner Sought:** The SME from Cyprus is therefore looking for the following partners in order to complement its Societal Challenge 2 proposal:

- Software developers (could be universities / research organisations / SMEs) for the development of the platform
- Companies to test the platform and define its specifications and features e.g. Food Producers and resellers, Logistics companies
- Pest control laboratories (private and national/public) for data acquisition and data population of the platform

**Deadline:** 15.01.2018

## **210214-EEN-1128**

**Title:** Partner Search for EUREKA/Eurostars: Agriculture company that provides post-harvest services or post-harvest treatments (RDES20170921001)

**Description:** A Spanish SME working in the agro sector wants to extend the applications of its newly developed whey based sanitizing formula to other fruits and vegetables. Previous results in tomato, lettuce and spinach have been very positive. This natural formula prevents the use of chlorine-based solutions that have restriction by EU regulations. The plan is to apply to the Eurostars call in 2018 (next call March 2018).

**Partner Sought:** Company is looking for an agriculture company that provides post-harvest services to agriculture producers or a producer/association that carries out the

post-harvest treatment themselves. The role will be to apply the formula developed by means of drenching technology or alike.

**Deadline: 01.01.2018**

## **210214-EEN-1129**

**Title: Partner Search for EUROSTARS - Looking for pharmaceutical SMEs specialized in the development of innovative pain treatments (RDBE20170918001)**

**Description:** The unit of Development Genetics of Brussels-based University is looking to identify suitable SMEs committed to innovation in pain treatments for a joint Eurostars application. The objective of this project is to validate Prdm12 as a new promising target for the development of novel methods of pain relief, by examining the consequences of its conditional deletion in mouse adult nociceptors at the molecular, electrophysiological and behaviour level and the identification of its interacting partners required for its activity. The knowledge of the exact function and mode of action of Prdm12 in mature nociceptors may allow the development of new analgesic drugs.

**Partner Sought:** University is looking for applying to Eurostars open call as the R&D project partner. It is seeking non-Belgian based SMEs with expertise in drug discovery and development for pain

**Deadline: 31.01.2018**

## **210214-EEN-1118**

**Title: Partner Search for EUROSTARS. Companies for the development of highly efficiency systems for energy storage based on graphene Technologies (RDES20170803001)**

**Description:** A Spanish SME is currently producing graphene for laboratories and scientific experimentation, with short-term yields and high added value with small-scale production. Currently the company's graphene production is being scaled up in order to be able to supply a wider range of industries and uses, such as polymers and composites, paints, lubricants, foams... In this way, the production of graphene on an industrial scale may be beneficial to a wide range of end products. The company is looking for positioning itself as the reference company in the large-scale production of graphene specifically characterized for specific applications such as batteries. To reach this goal, they are preparing a Eurostars project that focuses on developing flexible anodes and cathodes that incorporate graphene in its composition. In this way, its capacity and load cycles will be improved.

**Partner Sought:** The company is looking for partners with experience in electrochemistry (cyclic voltammetry, high current galvanostat, EIS - electrochemical impedance spectroscopy), development of energy storage systems and characterization of thin films (nanoindentation, dynamic thermo-mechanical analysis...) and end-user companies specialized in energy storage or electronics companies.

**Deadline: 31.01.2018**

## **210214-EEN-1119**

**Title: Partner Search for EUREKA Artificial neural network based software development for new technology business suggestion (RDKR20170823002)**

**Description:** A Korean SME is renowned for its expertise in technology transfer, commercialisation, and business incubation. The company has developed and utilised software programs to efficiently manage projects and support clients using information technologies. For example, they are running a domestic online technology marketplace where any tech supplier or seeker can look up current tech profiles and send inquiries. The company is also managing technology trend database and cloud-based project management system.

The objective of this project is to develop an online software programme to support technology profile search procedure for the end-users. The finalised system will be expected to provide the most suitable tech profiles to its users based on the artificial neural networks (ANN). When the user input is provided – such as interested items, business/ R&D area and product/service ranges, the system will give weights to each parameters and the net input function will guide each features to be divided to different outputs. The system will provide the users recommended technologies as an output.

**Partner Sought:** The company is seeking partners in Europe in the field of software system development and integration. Technology transfer agents from the Korean SME will design the backend logic. The partner will develop the system from ANN-based algorithm, coding to debugging. Therefore, the expected partner should have enough experience in system development and integration in the level of prototype and above stages.

**Deadline:** 01.02.2018

## 210214-EEN-1120

**Title:** Partner Search for EUROSTARS. Technological partners for the design and development of a hydro-generator with an innovative efficient horizontal reaction turbine (RDES20170803003)

**Description:** A Spanish innovative SME whose main activity is obtaining synthetic diamond and diamond coatings by using highly advanced technological processes, is continuously looking for enlarging its range of activities. The company is also working in the electricity generation sector, developing innovative products and processes. In this line, the company is preparing a Eurostars project whose main objective will be to develop, manufacture and commercialize a new generation hydro-generator with efficient and innovative horizontal reaction turbine. Due to its design and characteristics, this hydro-generator will have the capacity to work in all sort of rivers -low and high speeds-, getting the most from the water resource.

**Partner Sought:** Currently the company is looking for technological partners that may help in the development of the watertight generator with horizontal symmetry and in the development and manufacture of complex geometry conduits. They are open to any kind of partner and nationality.

**Deadline:** 31.01.2018

## 210214-EEN-1121

**Title:** Partner Search for Eurostars2: R&D institutes are sought for development of a damper and flexible coupling for a torsional vibration system in diesel engines (RDKR20170801001)

**Description:** A Korean SME specialized in structural engineering is in the process of developing new torsion dampers and coupling for diesel engines. By joining the components of a damper and flywheel into one, the final product can be used in automobiles and marine engine systems. The SME manages the research, design, production, and marketing of their products. They have experience in the heavy industry and expertise in structural analyses of the torsional vibration system.

**Partner Sought:** The SME is seeking a research cooperation agreement with R&D institutes in engine manufacturing (specifically the diesel engine of a passenger car) and currently working together with large enterprises for data collection and models of diesel engines in ship propulsions and generators.

**Deadline:** 01.02.2018

## 210214-EEN-1122

**Title:** Partner Search for Eurostars / Eureka: R&D institution or SME used to deal with Optical Character Recognition engines for providing both high level requirements and fine grained technical details (RDES20170821001)

**Description:** The project proposes the development of new fault tolerant open source OCR/ICR solution comparable with the features provided by some of the commercial ones. Therefore providing trustable extraction from documents with any layout, typography and/or writing style (both type and handwritten).

**Partner Sought:** The SME is seeking a research cooperation agreement with R&D institutes in engine manufacturing (specifically the diesel engine of a passenger car) and currently working together with large enterprises for data collection and models of diesel engines in ship propulsions and generators.

**Deadline:** 01.02.2018

## 210214-EEN-1068

**Title:** Partner Search for SME Instrument: Accelerating market introduction of ICT solutions for Health, Well-Being.

**Description:** The UK start-up has developed a medical software that turns traditional physical therapy exercises into interactive video games. It is used both in clinics and at home where clinicians can monitor the patients remotely.

**Partner Sought:** The company is currently looking for clinical/research partners to further develop and clinically validate exercise games designed for physical or cognitive therapies to apply to the SME Instrument call: Accelerating market introduction of ICT solutions for Health, Well-Being.

**Deadline:** Any cut-off date