

Project Specification

Tender details – the opportunity

Company name	Curenetics Ltd
Company address	64 Central Drive, Hornchurch. Essex. RM12 6BA.
Description of company activity/SIC code	62012 Business and domestic software development 72110 Research and experimental development on biotechnology
Objective of the proposed innovation project– this MUST involve activity that results in the development of or introduction to the market of a new product or service (max 300 words)	<p>Over the last 5-10 years there has been extraordinary success in the development of targeted cancer therapies especially Immunotherapy. Many patients who were often given less than 6 months, now live much longer. Despite these advances, some patients are classified as non-responders or eventually develop disease relapse. Some develop potentially life-threatening immune-mediated toxicities. Ability to classify response and to predict those who might develop toxicity or resistance is key.</p> <p>Furthermore, despite careful planning in study site selection, many sites still suffer under-recruitment and this often leads to waste of resources, delay in drug development and real-life costs to patients. Identifying, the right demographic/patient population and study location is crucial to success of clinical trials. It also helps speed up completion rates and optimal use of resources.</p> <p>The objectives of this project are</p> <ol style="list-style-type: none"> 1.To assess if insights from cancer genomic and patient clinical data could be used to predict responders, or patients who will go on to develop disease relapse or resistance. 2. To assess if identifying demographic patterns and distributions could help increase the sensitivity of study site selection for specific tumour types and disease profiles.

	<p>We are looking for a dynamic and long-term knowledge partner(s) with expertise in</p> <ol style="list-style-type: none"> 1. Probing and analysing cancer genomic data(e.g. next generation sequencing data) and patient clinical data in an effort to develop predictive models for response assessment, treatment toxicity and development of drug resistance . 2. Knowledge and expertise in analysing and finding insights into population/demographic data towards the development of a robust patient recruitment planning and study site selection/assessment algorithm using AI.
Company's current situation – existing project team and innovation project development stage (max 400 words)	Our flagship product , an advanced system for cancer patient matching to clinical trials using AI, has just passed user testing phase. We are now looking to further test and validate it within NHS hospitals clinical workflows.
Business need – what expertise and support is required from a Knowledge Base to reach the objective(s) above? (max 400 words)	We are looking for knowledge partner(s) with expertise in relevant fields(e.g. cancer biology, bioinformatics, biochemistry, statistics, artificial intelligence, population health).
Please list six key words that describe your potential project, i.e. ICT, engineering, biotech etc.	Cancer, clinical trials, AI, patient recruitment, next generation sequencing, population health/statistics.
Required timescales (if any) for Project Start and duration, and if applicable anticipated product launch date	Duration: 12-18months Start date: Nov 2020
Optional - company budget available to match fund KEEP+ grant (if known) please see 'Further details' for maximum funding amounts	N/A. Available on request
Company Contact for further information	sesola2003@gmail.com
Required tender response date (min 20 working days from posting of advert)	1 st October 2020

Responses are sought from organisations classified as Knowledge Bases, defined under the ERDF Definition of the Knowledge Base: Higher Education, Further Education and Research Entities which are: UK Public Sector Research Establishments, Research and Development Organisations, Research and Technology Organisations.

The Company is seeking a Knowledge Base partner to work with them to develop a project which, dependent on a successful Grant Application, will be supported by the KEEP+ ERDF project using one of the two types of intervention described below. Please also see KEEP+ website – www.keepplus.co.uk

In Stage 2, if the grant application to KEEP+ is successful, the Company requires the expertise of the Knowledge Base partner, to work with them to deliver the solution i.e. the project intervention supported by the KEEP+ grant.

Criteria for Decision making	Assessment criteria are as follows <ul style="list-style-type: none"> • Expertise fit 50% • Timing fit 25% • Suitability of proposed methodology 25%
Date for Contract Decision	Minimum of 20 working days from date of advertisement
Tender response templates	Please approach the company for the exact format of your response.

Further details for potential respondents

You are responding to a tender for an activity which is eligible for part funding by the European Regional Development Fund, specifically under the KEEP+ Programme.

The KEEP+ Programme aims to support SMEs to develop new products and services by fostering long term collaborative relationships between Knowledge Bases – Universities and research institutions – and SMEs who need expertise and support for innovation.

Please see KEEP+ website for further information www.keepplus.co.uk or contact the KEEP+ project team 0845 196 4207 julie.benabdeljelil@anglia.ac.uk or 0845 196 4985 kayleigh.parkes@anglia.ac.uk

KEEP+ provides maximum allowable grants for its specific types of intervention. Those intervention types and maximum grant levels are as follows;

- KEEP Knowledge Exchange Embed Partnership (typically 12 months' duration) - this intervention involves a graduate working on a mid- to long-term activity with the support of a specific academic staff member, the graduate is based within the beneficiary company - grant allowance 50% of eligible costs and £10,000 capital.

- KEEP Research and Innovation Collaboration (no fixed duration) this intervention involves an academic colleague working on a short- to long-term activity, they are based at the Knowledge Base but with regular face-to-face interaction with the beneficiary company - grant allowance 50% of eligible costs plus a strict maximum of £10,000 capital.

The following is a guide to the types of cost that you should expect to occur should your application be successful;

- KEEP Knowledge Exchange Embed Partnership (typically 12 months' duration) – project development, associate wage, academic wage, administrative support, training and travel (on the part of the knowledge base employees), minor equipment (please note there is a potential separate grant for major capital purchases), recruitment
- KEEP Research and Innovation Collaboration (no fixed duration) – project development, academic wage, administrative support, consumables (please note there is a potential separate grant for major capital purchases)