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Project type

7th Framework Program

Status

On going

Collaboration

Europe

Role

Coordinator

Started

1 March 2010

About project

PONTE

Application domains

Health



EFFICIENT PATIENT RECRUITMENT FOR INNOVATIVE CLINICAL TRIALS OF EXISTING DRUGS TO OTHER INDICATIONS

PONTE will simplify the whole clinical trials process so that it is easier to come up with an idea and select the right patients. As well as saving money, this will give the public quicker access to drugs that may be able to help them.

To simplify and accelerate the clinical trials process, PONTE developed an IT platform to help with finding new uses for existing drugs. It will offer vital assistance throughout each stage of the process - from the moment an idea is generated through to the selection of suitable volunteers for the trial. The platform will then utilise data stored by individual hospitals to establish whether sufficient patients meet the criteria for a trial to be able to proceed.

Objectives

PONTE aims at providing a platform following a Service Oriented Architecture (SOA) and Semantic approach that will offer automatic intelligent identification of patients eligible to participate within well-specified clinical trials for drug repositioning with specific focus on mitigating patient safety risks, reducing clinical trial costs and improving clinical trial efficacy. Work towards this direction involves decision support mechanisms fed with information retrieved from a semantic search engine. The latter operating on top of a data representation linking data within drug and disease knowledge databases, clinical care and clinical research information systems.