



Vision

Employing Big Data to make precision medicine a reality

Objective

Creating a system that will support clinicians and policy makers in developing personalised diagnosis and treatments for patients

iASIS is an EU-funded research project that seeks to pave the way for precision medicine approaches by utilising insights from patient and open data. It aims to combine information from medical records, imaging databases and genomics data to enable personalised diagnosis and treatment in two disease areas - lung cancer and Alzheimer's disease.

Pilot 1: Lung cancer

- Identify correlations among tumor spread, prognosis, response to treatment.
- Unravel molecular mechanisms that predict response to different tumor types (signatures).

Pilot 2: Alzheimer's disease

- Identify patterns associated with prognosis, outcomes, response to treatment.
- Associate medical and lifestyle advice to dementia risk and stages of Alzheimer's disease severity.

Partners

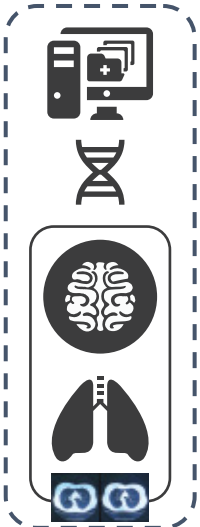


INTERNATIONAL
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Framework

Big Data



Extraction

Image
Analysis

EHR Text
Analysis

Genomic
Analysis

Open Data
Analysis

Management



Knowledge
Graph

Analytics

Knowledge
Graph Analysis

Lung Tumor
Signature

Alzheimer's
Disease
Drug Response

Decision



Health
Policies



Precision
Medicine

Duration Programme

Visit us

Start: 01/04/2017 - Finish: 31/03/2020

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Big Data supporting Public Health policies

 www.project-iasis.eu

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