

# KATY

*Knowledge At the Tip of Your fingers  
Clinical Knowledge for Humanity*

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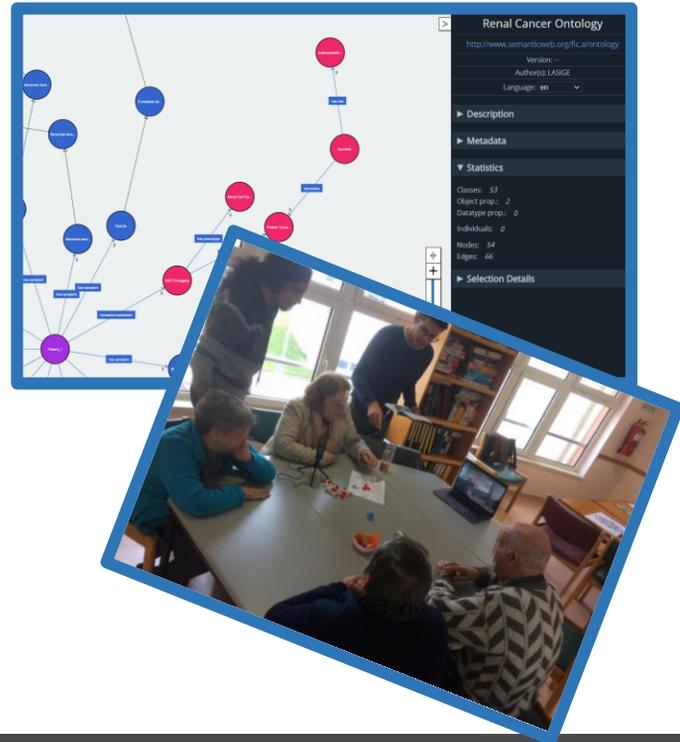
LASIGE, Departamento de Informática

Faculdade de Ciências, Universidade de Lisboa

LASIGE is a Computer Science  
research unit that aims to  
develop excellent research with  
societal and scientific impact.

# HEALTH AND BIOMEDICAL INFORMATICS AT LASIGE

At the Health and Biomedical Informatics Research Line we aim to create new knowledge in the life sciences and improve healthcare with technology.



The great barrier to AI adoption in healthcare is lack of trust.

How can we trust what we don't understand?

KATY proposes an **AI-empowered Personalized Medicine system** that clinicians and clinical researchers can ***understand, trust and effectively use*** in their everyday working routine.

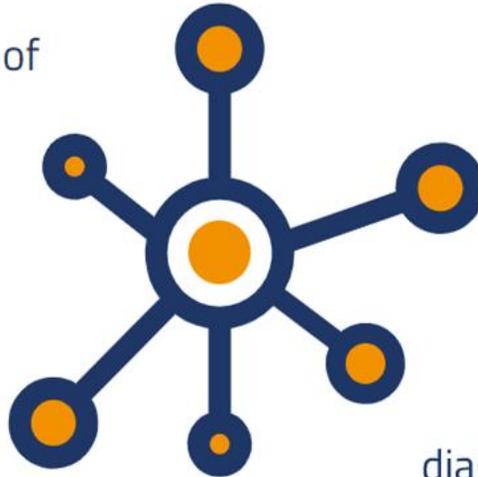


<https://katy-project.eu/>

# KATY's goals

Reduce the burden of disease for renal cancer patients

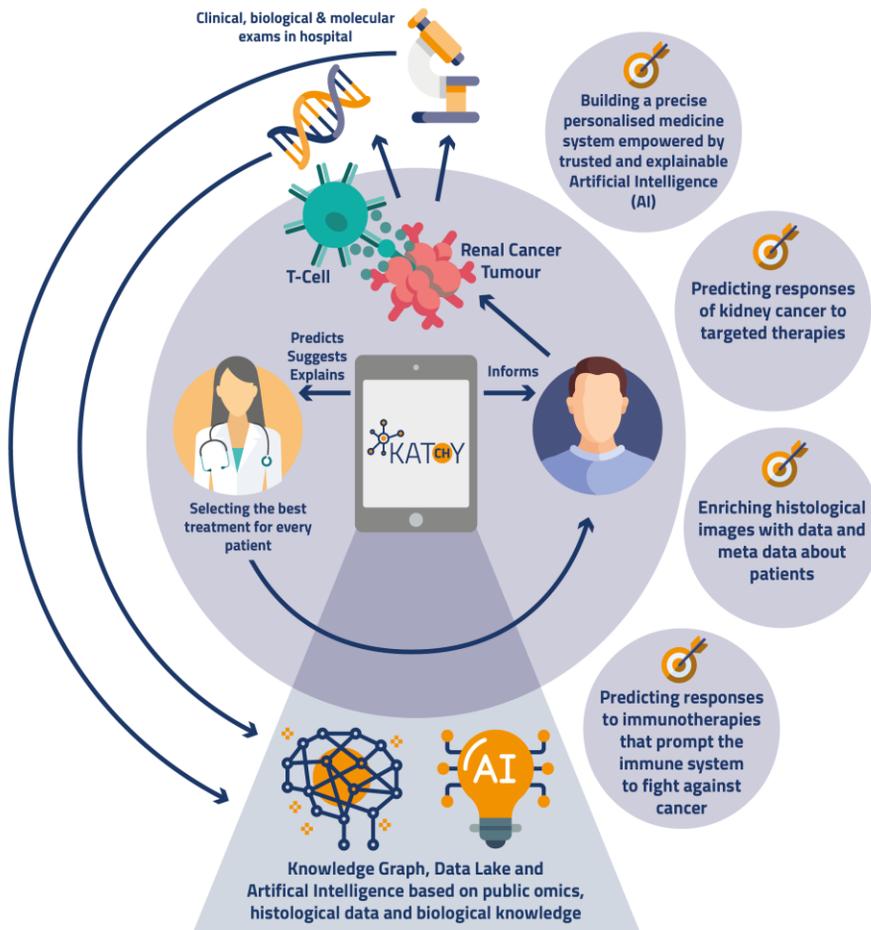
Apply existing treatments in a more targeted way



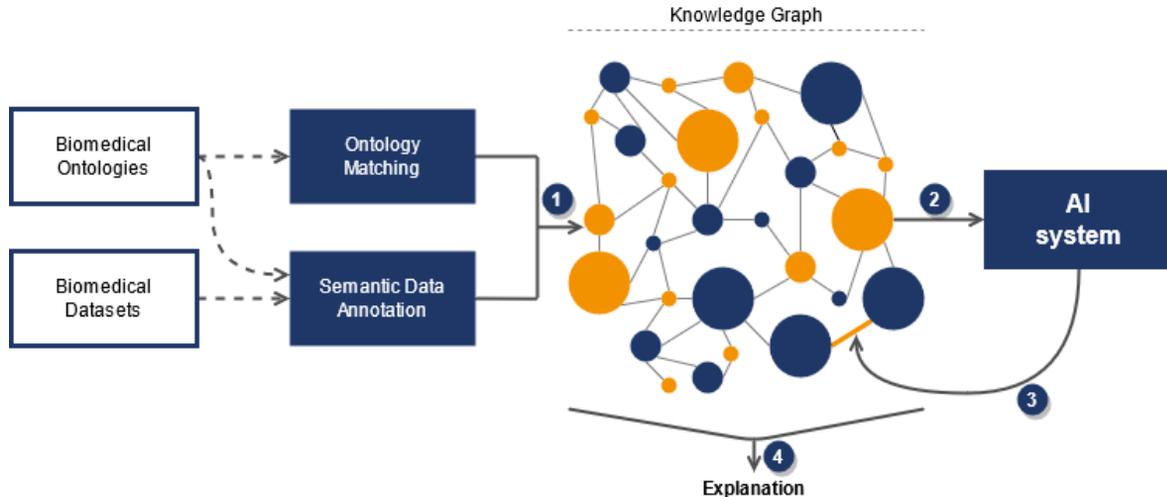
Identify new evidence on the predictive value of AI solutions

Enhance the diagnostic capacity for complex diseases

KATY is built around two main components: A **Distributed Knowledge Graph** and a pool of **eXplainable Artificial Intelligence** predictors.



# The KATY Knowledge Graph



To support renal cancer AI-based personalized medicine we are building a knowledge graph with 1 million concepts and 100 million links based on public and private data.

# KATY consortium

20 partners  
across  
academia,  
healthcare  
and industry



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