

PANCAiM

Improving pancreatic cancer treatment
with artificial intelligence -
optimizing, integrating genomics and medical
imaging



Pancreatic cancer will soon become the second leading cause of cancer-related death in Western societies. However, understanding of patient stratification is still limited, making it difficult for physicians to select the best possible treatment.

PANCAiM will use AI to efficiently integrate genomics and imaging phenomics in order to generate breakthrough knowledge and increase the understanding of PDAC biology and patient stratification. The project consortium will develop trusted and impactful AI applications that allow clinical decision-makers to give the right treatment to the right patients at the right time and at the right cost.

PANCAiM applications will assist clinicians with each of the personalized medicine diagnostics areas - Prognostication, Prediction, Monitoring - and aims to significantly improve quality of life and treatment outcomes of PDAC patients.

Partners

 Radboudumc university medical center	RADBOD UNIVERSITY MEDICAL CENTRE NIJMEGEN
 Karolinska Institutet	KAROLINSKA INSTITUTET
 Oslo universitetssykehus	OSLO UNIVERSITETSSYKEHUS HF
 cnio SPANISH NATIONAL CANCER RESEARCH CENTRE	SPANISH NATIONAL CANCER RESEARCH CENTER
 University of Glasgow	UNIVERSITY OF GLASGOW
 COLLECTIVE MINDS RADIOLOGY	COLLECTIVE MINDS RADIOLOGY AB
 SIEMENS Healthineers	SIEMENS HEALTHCARE GMBH
 The Hyve	THE HYVE BV
 AMIRES	AMIRES SRO

Project objectives

- Develop PANCAIM digital platform integrating genomics, imaging and clinical PDAC data from 5 sites across the EU
- Develop and use unimodal AI biomarkers for integrative research
- Develop and select most promising AI-assisted clinical products integrating omics, medical imaging and clinical data
- Implement and validate clinical products
- Sustain the platform for further research and clinical applications

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Info

Start date: 01/01/2021

End date: 31/12/2024

Duration in months: 48

Project budget: €8,24 M

www.pancaim.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016851, project PANCAIM 2021 – 2024.

