

# ONE-PAGER — Collaboration Opportunity

*Fundación Pública Gallega de Investigación Biomédica Galicia Sur – Hospital Álvaro Cunqueiro (SERGAS)  
AI Platform & Cardiovascular Unit*

## Who We Are

Multidisciplinary team integrating clinicians, biomedical researchers, engineers and data scientists from the AI Platform and the Cardiovascular Unit.

The group, part of IIS Galicia Sur, is a national and international reference in clinical, interventional and computational cardiology, with a strong track record in translational, high-impact research.

## Expertise & Capabilities

### Medical Imaging & Cardiovascular Health

- ✓ Advanced expertise in cardiovascular imaging (echo, CT, MRI, intracoronary).
- ✓ Tools for early detection, diagnosis and prognosis of cardiovascular diseases.
- ✓ Experience in structural heart interventions (TAVI, mitral/tricuspid repair).
- ✓ Strong capabilities for clinical validation in real-world workflows.

### Artificial Intelligence & Automation

- ✓ Machine learning and deep learning development for cardiovascular and oncological applications.
- ✓ Automated pipelines for structured/unstructured clinical data.
- ✓ Computational cardiology (numerical simulation, finite-element modelling, 4DCT analysis).
- ✓ AI for detection of silent atrial fibrillation and automated CT assessment.

### Translational Research & Data Integration

- ✓ Deep integration of engineers, clinicians, epidemiologists and data scientists.
- ✓ Active participation in EHDS-aligned initiatives.
- ✓ Proven ability to transfer research outputs into clinical practice.

## Current Projects

- Cardiovascular imaging analysis and multimodal data integration.
- AI for cardiovascular disease risk prediction.
- Decision-support tools using imaging and real-world clinical data.
- Automation workflows within hospital systems.

## What We Offer for Collaboration

- ❖ Clinical and imaging expertise for high-impact research.
- ❖ AI development capabilities for healthcare applications.
- ❖ Access to hospital-grade data pipelines and real-world validation environments.
- ❖ Participation in EU projects (AI, CV health, imaging, EHDS infrastructures) as partners or leaders.

## Type of Cooperation Sought

### Seeking consortium/coordinator roles.

Open to joining or reinforcing project proposals as a **clinical, technical, or data-driven partner**.

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