

Scientific R&D collaboration in developing medical imaging analysis applications sought

Summary

Profile type	Company's country	POD reference
Technology request	Sweden	TRSE20250219008
Profile status	Type of partnership	Targeted countries
PUBLISHED	Research and development cooperation agreement Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Enrico FRANZIN	20 Feb 2025 20 Feb 2026	20 Feb 2025

General Information

Short summary

A Swedish startup offers and develops a visual programming platform, designed to simplify advanced image analysis. They are now looking for R&D professionals from medical universities and hospitals or healthtech companies for partnership in the development of medical imaging analysis applications.

Full description

Image analysis has become an indispensable tool in research and development. It plays a crucial role in improving the diagnosis, treatment, and understanding of diseases, as well as in the development of new medical treatments, such as cancer, neurological and cardiovascular diseases.

The startup's vast expertise in radiotherapy, physics, computer science, deep learning and medical image analysis have laid the foundation for the platform that they have developed. In the platform users can create image processing workflows and conduct complex analyses within an integrated development environment, without the need for deep programming skills. The platform facilitates the work process, stimulates creativity, and increases efficiency by delivering tailored results based on the user's specific requirements, whether for further analyses or formal research presentations.

With their solution, more R&D professionals (and even students) can perform complex image analyses, contributing

to the democratization of medical research and more scientific advancements in a shorter time, ultimately improving global health. The tool can be found in several scientific publications as evidence of this.

Even if the platform today contains hundreds of features the platform is built of collaboration with the possibility to import external applications for specific analysis. They are now looking for R&D professionals from medical universities and hospitals for partnership on development of medical imaging applications that can bring added value to the global research community. As such they are interested in collaboration opportunities in the fields of radiology, radiotherapy, pathology, neuroimaging, fMRI, health-omics, data processing and other medical image analysis related fields.

They collaborate with several academic partners today and their development process is built around these partnerships to ensure they create relevant and user-centric applications for medical imaging researchers.

The startup brings cutting edge skills in machine learning, software development, image processing, image analysis, CT/MR/PET physics and medical physics. The entire team have 10+ years of working in these sciences - some still have senior roles in both academy and clinical settings. As such they are more than prepared to discuss several roles in specific R&D projects where they ideally want to create long term partnerships.

Advantages and innovations

The platform:

- + Visual-programing (no-code)
- + Hundreds of standardized and scientifically validated implementations (e.g., ITK, VTK, Tensorflow, PyTorch) in one environment.
- + Batch Processing with multi parameter data selection
- + Import code and AI (drag'n'drop)
- + Combining ready-made analyses with custom code and external libraries increases efficiency and creativity.

R&D Partnership:

- + Helps researchers and their organizations to bring specific applications to the platform's growing global user base.
- + Helps researchers to secure their own and joint developed applications to stay in a united development and analysis environment over time.
- + Opportunities for joint Horizon Europe and other research project funding.

Technical specification or expertise sought

R&D-professionals from universities, hospitals and healthtech companies involved in medical imaging analysis, such as radiology, radiotherapy, pathology, neuroimaging, fMRI, health-omics, data processing and other medical image analysis related fields.

Stage of development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 3: Good Health and Well-being**

IPR Status

IPR Notes

Partner Sought

Expected role of the partner

They are looking for R&D-professionals from universities, hospitals, healthtech companies interested to co-develop specific applications for medical imaging analysis. The Swedish company is expecting that the partner, with the use of their visual programming platform, jointly develop applications in the field of radiology, radiotherapy, pathology, neuroimaging, health-omics, data processing and other medical image analysis related fields. Already developed applications are also of interest. In that case the partners jointly integrate it within the startups development and analysis platform.

Type of partnership

- **Research and development cooperation agreement**
- **Commercial agreement with technical assistance**

Type and size of the partner

- **SME <=10**
- **SME 50 - 249**
- **University**
- **R&D Institution**
- **SME 11-49**
- **Big company**

Dissemination

Technology keywords

- **01004001 - Applications for Health**
- **01003012 - Imaging, Image Processing, Pattern Recognition**

Targeted countries

- **World**

Market keywords

- **02007007 - Applications software**
- **02007012 - Medical/health software**
- **05002005 - Other medical imaging**

Sector groups involved

- **Health**