

Making oncological mri repeatable

RelDatum

THE PROBLEM

Diagnostic repeatability of MRI scans vary across scanners, field strengths, institutions, and time points. In radiooncology this leads to diagnostic uncertainty, treatment planning errors, repeated imaging sessions, and increased patient queue.

OUR SOLUTION

RelDatum is a microscale, multi-compartment reference phantom placed on or in the patient during each imaging session to provide physical real-time signal and geometry reference. It supports high accuracy of scans planning and reading, post-hoc co-registration, and local image corrections of MR scans.

PATENT STATUS

Positive patentability assessment from Plougmann Vingtoft a/s (ref. 521-1198/26-7000, April 2026). Patent application in progress.

FINANCIAL OVERVIEW

Business model: recurring consumable sales (one unit per patient per imaging session) combined with software licensing.

MILESTONES

- KU Proof-of-Concept To-Go grant 2025 (KU-ID 529-1016). Stable multi-compartment phantom fabricated, with reproducible T1/T2 and CT attenuation values, verified at 9.4T MRI and μ CT (TRL 3). Proof-of-concept for local image inhomogeneity correction.
- Patent filing with KU Lighthouse, PoC Max Lighthouse grant application planned in November 2026, final prototype testing at multiple MR sites, BII Venture Lab application and spin-out formation (February/ March 2027).

TARGET MARKET & CUSTOMERS

Medical physicists and radiation oncologists at cancer center and radiotherapy departments.

THE PROFILE WE ARE LOOKING FOR

Preferred qualifications

- A co-founder with a commercial medtech background to complement our scientific and engineering team. Experience in medical device commercialization, preferably in med. imaging, diagnostics, or a related field. Experience raising pre-seed or seed funding for medtech startups. Familiarity with Danish or Scandinavian health innovation ecosystem is an advantage.

Personal fit

- Comfortable with the ambiguity and pace of a **pre-seed** stage, willing to operate without a safety net and build the company together. Driven by solving a real clinical problem, team-player, open communicator.

TASKS & RESPONSIBILITIES (FIRST 3 MONTHS)

Drive pre-seed investor outreach, targeting Danish health tech angels and BII Venture Lab engagement

ACADEMIC & ENTREPRENEURIAL BACKGROUND OF CURRENT CO-FOUNDERS

Ryszard Gomolka: Main developer with background in medical radiology and biomedical engineering with clinical, preclinical and industrial practice.

Altair B. Santos: Physiotherapy, Molecular biology, biochemistry, pharmaceutical sciences. Co-developer of original prototype and main networking/outreach driver.

PHYSICAL ADDRESS

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University of Copenhagen

RelDatum

Cross-modality imaging reference

ABOUT OPEN ENTREPRENEURSHIP

Open Entrepreneurship (OE) is a collaboration between all Danish universities aiming to create more research-based startups.

REGISTER YOUR INTEREST

Deadline is November 8th, 2026

www.open-entrepreneurship.com/cofounder/