

Project Acronym:

BRAINSONIC (ENTERPRISES/0223/Sub-Call1/0057)

MRI-guided Focused Ultrasound robotic system for brain tumors.

Deliverable number: 2.3

Title: Submission of request to the KTO

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Date: 15/01/2025

BRAINSONIC 



The BRAINSONIC project is funded by the Recovery and Resilience Facility of the NextGenerationEU instrument, through the Research and Innovation Foundation (RIF) of Cyprus.

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EXECUTIVE SUMMARY

This deliverable concerns the submission of a request to the Knowledge Transfer Office (KTO) of RIF for technology commercialization services. The proposal was submitted in response to the restricted call RIF-CKTO/PATH1&2/1223. The submission was made on February 03, 2025 (RIF-CKTO/PATH1&2/1223/0342).

Part B, which was uploaded as Technical Annex on the IRIS Portal, is included in this deliverable as Appendix I. It provides a concise, non-confidential summary of the BRAINSONIC technology, outlining its main features and proposed clinical application. Additionally, the percentage of ownership in the asset is defined. Any intellectual property (IP) generated during the project will be jointly owned and equally shared between the two partners (LINAC and CUT). By sharing ownership of IP rights, each partner is recognized for its contributions and has a vested interest in the successful commercialization of the technology.


The 'Invention and Technology Disclosure Form,' (confidential document) which formally outlines the ownership and sharing of IP rights between LINAC and CUT and is signed by all inventors, has been submitted as a supplementary document for proof. This document provides a comprehensive disclosure of the development, highlighting its innovative features, unique design, and competitive advantage in the Focused Ultrasound brain therapeutics market. It also includes details about co-inventors and their affiliations, confirmation of the absence of relationships or agreements that could impose restrictions on commercial use, and identification of relevant commercial entities offering comparable technologies or potentially interested in the developed technology.

APPENDIX I: SUBMITTED PROPOSAL FOR ACQUISITION OF KTO SERVICES



RESTRICTED CALL

Central Knowledge Transfer Office Services (RIF-CKTO/PATH1&2/1223) Fast Track and Direct Entry

PROPOSAL DETAILS	
PROGRAMME	Central Knowledge Transfer Office Services
IRIS PROPOSAL NUMBER	RIF-CKTO/PATH1&2/1223/0342
	

PART B – TECHNICAL ANNEX**LEGAL NOTICE for the submission of application under this Call:**

Applicants should ensure that:

- The Applicant is a beneficiary of the funded RDI project. The Applicant may be different from the Host Organisation of the funded project subject to the agreement of the Consortium members. The Applicant must own or have been granted all or part of at least one legal right in the intellectual assets which are the subject of this application or be the duly appointed agent with all necessary powers of an owner of such rights.
- The Proposal (Application) must be submitted ONLY by the Legal Representatives of the Organisation.
- The management of each participating Organisation in the Consortium (where applicable) and any natural person (i.e., individual) with an ownership interest in any legal right in the intellectual assets which are the subject of this application have been informed and has already approved the content and submittal of the application.
- Participating Organizations and natural persons have not been convicted of an offence concerning professional conduct by a judgment of a national competent authority which has the force of res judicata.
- Participating Organizations and natural persons have not had a petition or issue of judgement or order for winding up or liquidation or bankruptcy filed against have not entered into an arrangement with creditors, have not suspended business activities, are not the subject of proceedings concerning above matters and is in compliance with applicable national legislation.
- Information provided in the application is true and correct.
- The applicant is responsible to notify all legal representatives of the date and time of the Initial Engagement meeting.
- The management of participating Organisations and any natural persons are aware that the collection and processing of personal data is carried out according to the RIF's Policy for the Protection of Personal Data which can be found at [RIF's website](#).

B1. RIF FUNDED PROJECT - GENERAL INFORMATION

Please provide information related to the RDI Project funded by the RIF.

Protocol Number of the RIF Funded Project:	ENTERPRISES/0223/Sub-Call1/0057
Title of the RIF Funded Project:	MRI-guided Focused Ultrasound robotic system for brain tumors.

B2. APPOINTED REPRESENTATIVES OF THE ORGANIZATIONS, INDIVIDUAL AND/OR CONSORTIUM(S)

The Table below must be completed. **The Table duly signed by the Organisations' Legal Representatives, should be uploaded as Annex II on IRIS.**

The Organisations and/or individuals (collectively called Beneficiaries) who own any rights in the intellectual assets that are the subject of this application must appoint a legal representative for the purpose of applying for the services of the CKTO of interacting and communication with the CKTO for the purposes of the Initial Engagement. The Beneficiaries may decide to be represented by a single agent. If the Beneficiaries decide to be represented by a single agent, it should be clearly stated. In addition, it is the legal responsibility of the submitter of this application that any other entity or natural person which has any ownership or other legal right in the intellectual asset which is the subject matter of this application is included below and has agreed to the submission and their legal representative is identified in the table below.

Participating Organization, or Individual	Legal Representative* (for Individuals can be themselves) *The Legal Representative should be registered on IRIS / approved by the RIF	ID Number	Signature of Legal Representative	Email of Legal Representative	Phone Number of Legal Representative	Mailing Address of Legal Representative	Percentage of Ownership in the Asset
LINAC-PET SCAN OPCO LTD	George Georgiades	██████	████████████████████	████████████████████	████████████████████	1 Nikis Avenue, 4108 Limassol, Cyprus	50
Cyprus University of Technology	Charalambos Chrisostoumou	██████	████████████████████	████████████████████	████████████████████	30 Archbishop Kyprianou Str. 3036 Limassol, Cyprus	50

Note:

1. The Percentage of the ownership must sum up to 100% (not less not more)
2. Only organisations indicated with more than 0% of ownership in the Asset will be eligible to receive services from the CKTO

B3. COMMERCIALISATION OF RESEARCH RESULT

B3.1 Non-confidential Summary (Maximum 2 paragraphs)

Please provide a concise but meaningful **non-confidential summary** of the research result/intellectual asset bundle to be exploited that can be understood by a layperson.

The primary technological outcome of the project, intended for exploitation by the consortium, is a Magnetic Resonance Imaging (MRI)-guided FUS robotic system designed for minimally invasive extracorporeal treatment of brain tumors. The system features a single-element spherically focused transducer capable of moving along four degrees of freedom (DOF); three orthogonal linear and one angular DOF. For *in-vivo* applications, the system is designed to be placed on the MRI bed beside the patient, allowing for lateral access to the brain.

The proposed device has a special compact design to fit within any conventional high-field MRI scanner with a cylindrical bore while simultaneously allowing for comfortable supine placement of the patient. The structural components of the device were produced on a 3D printing machine using MRI compatible thermoplastics. The transducer is actuated in a water-filled container that includes an acoustic opening for ultrasonic delivery to the target, whereas the mechanical components are located in a separate specially sealed enclosure. The four motion stages are driven by piezoelectric ultrasonic motors, while motion feedback is provided by optical encoders.

B3.2 Copy of Disclosure(s)

Please provide a copy of all disclosure forms prepared on this technology, invention, or other intellectual asset with your Knowledge Transfer Office or other designated representative of your entity. **(Please include this evidence as Annex II on IRIS).**

An ‘Invention and Technology Disclosure Form’ has been prepared on the developed technology (included as Annex II). This form, crafted by CUT, serves to gather initial details of technologies developed at the University with the ultimate goal to assess patentability and commercial potential. It includes the following key components: title of the invention, a detailed description of the intention and innovative features, comprehensive details about co-inventors along with their affiliations, disclosure of any relationships or agreements that could impose restrictions on commercial usage, and identification of relevant commercial entities offering comparable technologies and/or potentially having interest in the developed technology.

B4. CHECKLIST BEFORE SUBMISSION

The Proposal (Application) consists of Part A (electronic form – IRIS Portal), Part B (Technical Annex to be uploaded on IRIS), Annex II (to be uploaded on IRIS), Annex III (to be uploaded on IRIS). Please check the following before submission.

PARTS OF PROPOSAL (APPLICATION)	CHECK
PART B	✓
ANNEXES	
ANNEX II (Supporting Documents in relation to Knowledge Transfer)	
1. Table of the appointed representatives of the submitting organization(s), individual(s) and/or consortium	✓
2. Copy of all disclosure forms prepared on this technology, invention, or other intellectual asset with your Knowledge Transfer Office or other designated representative of your entity	✓
3. Declaration for the Acceptance of the Initial Engagement and Evaluation Service by the RIF Central Knowledge Transfer Office.	✓
ANNEX III	
(Documents in relation to any National Law / Regulation / Guidelines / State Sid Rules in accordance with the Call of Proposals (Applications))	
For Private Sector Beneficiaries (it applies to all members of the Consortium and NOT ONLY to the Organisation submitting the Proposal (Application))	
1. Declaration of Non-Debts to State Authorities, in case the relevant certificates (Social Insurance, Income Tax and VAT) are not valid on the IRIS Portal.	✓
2. Official Proof for the registration of updated data of their ultimate beneficial owners in the Competent National Registry / Archive.	✓
Large Enterprises	✓
1. Written Declaration (Form K.E.2) which is issued pursuant to Regulation 3(2) of the Control of State Aid (Minimum Aid) Regulations of 2009 and 2012, completed and signed, and	
2. Single Undertaking Declaration.	
Small and Medium Enterprise (SME)	N / A
3. Declaration pursuant to Article 28 of GBER 651/2014 "Innovation Aid for SMEs".	

IRIS SECTION FINANCIAL INFORMATION / CERTIFICATION DATA	
1. The Certificate issued by an Independent Auditor certifying that the Undertaking is not in Difficulty is valid and in effect on the IRIS Portal . In the event that an already uploaded Certificate it is not valid, an updated / valid Certificate must be uploaded on IRIS Portal .	√