Award

A system for non-invasive preclinical ultrasound imaging

University Of Reading

F15: Voluntary ex ante transparency notice
Notice identifier: 2022/S 000-028507
Procurement identifier (OCID): ocds-h6vhtk-03749c
Published 11 October 2022, 10:53am

Section I: Contracting authority/entity

I.1) Name and addresses

University Of Reading

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READING

RG66AH

Contact

Claire Milham

Email

c.milham@reading.ac.uk

Telephone

+44 1183787629

Country

United Kingdom

Region code

UKJ11 - Berkshire

UK Register of Learning Providers (UKPRN number)

University

Internet address(es)

Main address

www.reading.ac.uk/procurement

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

A system for non-invasive preclinical ultrasound imaging

Reference number

UOR/LAB/23/002

II.1.2) Main CPV code

- 38400000 - Instruments for checking physical characteristics

II.1.3) Type of contract

Supplies

II.1.4) Short description

For the purchase of a system for non-invasive preclinical ultrasound imaging. A single system is to be purchased that will permit visualisation of all of the following preclinical models:

• Mouse embryos and zebrafish at resolutions down to 30 µm using an ultra-high frequency transducer (up to 71 MHz).

• Mouse hearts and the vasculature in genetic and drug-induced models of disease at 30 µm resolution using a transducer of 30-40 MHz with a frame rate capable of imaging heart rates of up to 750 beats per minute. ECG-gating is also required for 3D reconstruction of the heart.

• Rat hearts and the vasculature in genetic and drug-induced models of disease (as detailed above for mice) using a transducer of ~29 MHz.

• Mouse or rat brains (requiring a lower frequency transducer of ~22 MHz).

Additional capability is required for upgrading for imaging of pig hearts and the vasculature (requires low frequency transducers of 4-10 MHz) and for photoacoustic imaging.

The system must have the following provision:

• Integrated physiology traces for small animals, including display of ECG, respiration waveform, and body temperature.

• Capability for capturing B-mode and M-mode images, and for analysis of the images to provide data on cardiac and vascular function and dimensions in the above preclinical models (including strain and speckle-tracking).

• Capability for Power Doppler, Pulsed-Wave Doppler, Pulsed-Wave tissue Doppler and colour Doppler for assessment of blood flow.

• Capability for contrast imaging.

The University has published this VEAT notice and intends to award a contract to FUJIFILM Visualsonics Inc. following the expiry of 10 full calendar days after the expiry of this notice.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: 368,500 EUR

II.2) Description

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKJ - South East (England)

Main site or place of performance

University of Reading

Whiteknights Campus

Reading

II.2.4) Description of the procurement

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• Capability for Power Doppler, Pulsed-Wave Doppler, Pulsed-Wave tissue Doppler and colour Doppler for assessment of blood flow.

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II.2.11) Information about options

Options: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Negotiated without a prior call for competition

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
    - absence of competition for technical reasons

Explanation:

Absence for technical reasons due to the patents and requirement to have the key features of the instrument which are 1) the ability for ultrasound imaging across the spectrum of preclinical models using low to high frequency transducers (4 - 71 MHz), 2) capability for high resolution (30 µm) cardiovascular and cardiac imaging and analysis in small animal preclinical models with high heart rates, 3) capability for brain imaging in mice and rats, 4) capability for upgrading for photoacoustic imaging and 5) fully integrated software for instrument operation and data analysis

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

Section V. Award of contract/concession

Contract No

UOR-LAB-23-002

Title

A system for non-invasive preclinical ultrasound imaging

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

11 October 2022

V.2.2) Information about tenders

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor/concessionaire

FUJIFILM Visualsonics Inc.

Joop Geesinkweg 140

1114AB Amsterdam

Country

Netherlands

NUTS code

- NL - Netherlands

UK Register of Learning Providers (UKPRN number)

University

The contractor/concessionaire is an SME

No

V.2.4) Information on value of contract/lot/concession (excluding VAT)

Initial estimated total value of the contract/lot/concession: 368,500 EUR

Total value of the contract/lot/concession: 368,500 EUR

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Reading

Reading

RG6 6UR

Country

United Kingdom