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Planning

Laser Capture Micro dissection system

University Of Edinburgh

F01: Prior information notice
Prior information only
Notice identifier: 2023/S 000-022314
Procurement identifier (OCID): ocds-h6vhtk-03ec05
Published 1 August 2023, 12:21pm

Section I: Contracting authority

I.1) Name and addresses

University Of Edinburgh

Charles Stewart House, 9-16 Chambers Street

Edinburgh

EH1 1HT

Email

esilves2@ed.ac.uk

Telephone

+44 1316502508

Country

United Kingdom

NUTS code

UKM75 - Edinburgh, City of

Internet address(es)

Main address

https://www.ed.ac.uk

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00107

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

Additional information can be obtained from the above-mentioned address

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

Laser Capture Micro dissection system

Reference number

NCA31051

II.1.2) Main CPV code

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

II.1.3) Type of contract

Supplies

II.1.4) Short description

The IGC is a large multidisciplinary cross-college institute situated within the College of Medicine and Veterinary Medicine at the University of Edinburgh. IGC includes three world renowned research centres that advance knowledge and deliver basic science concept to clinical and commercial outcomes within one world leading laboratory complex. The institute, together with its partner Deaneries and the College of Medicine and Veterinary Medicine provide a fertile and dynamic environment for medical research.

In late 2023 the IGC will be launching a new centre for Four Dimensional Cellular Medicine. This includes developing research facilities to expand the capability of the IGC to investigate and spatially resolve the genome/transcriptome/proteome/metabolome of tissue, organoid and organotypic samples. The aim ís to leverage advances in multi-omics technologies to drive advances in personalised medicine and drug discovery.

For this we have obtained funding for an automated Laser Capture Microdissection system. This proposed instrument will enhance the capabilities of the University of Edinburgh to investigate and characterise cell/tissue heterogeneity with spatial resolution down to the single-cell (SC) level. The system needs to be capable of automatic dissection of many samples. Because of the anticipated throughput of samples the system is also required to interface with machine-learning-assisted cell identification and characterisation.

The solution must be able to develop and implement machine learning algorithms that can autonomously identify and isolate single cells or morphologically similar cells with single-

cell resolution and capture the selected samples into microwell plates up to and including 96 well plate or better.

The instrument will be unique to both the University of Edinburgh and to the surrounding areas. Our funders have asked that the instrument be available for the wider research community to access. Because of this we anticipate the system will be heavily used to mitigate against research being impacted by instrument downtime we would require a system engineer to be available for onsite support within 48 hours of a support request and access to technical specialist support as required.

II.1.5) Estimated total value

Value excluding VAT: £350,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 33128000 - Medical laser other than for surgery

II.2.3) Place of performance

NUTS codes

- UKM73 - East Lothian and Midlothian

II.2.4) Description of the procurement

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II.3) Estimated date of publication of contract notice

27 September 2023

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=740337.

(SC Ref:740337)