Tender

(NU/1818) The Supply and Installation of a Multiplexed Platform for Measuring Protein Biomarkers with Spatial Resolution at Single Cell Scale

Newcastle University

F02: Contract notice
Notice identifier: 2022/S 000-028785
Procurement identifier (OCID): ocds-h6vhtk-03754a
Published 13 October 2022, 9:44am

Section I: Contracting authority

I.1) Name and addresses

Newcastle University

Newcastle University, Procurement Services, Kingsgate

Newcastle

NE1 7RU

Contact

Dr Emma Barksby

Email

emma.barksby@ncl.ac.uk

Telephone

+44 1912086298

Country

United Kingdom

Region code

UKC22 - Tyneside

Internet address(es)

Main address

https://www.ncl.ac.uk

Buyer's address

https://www.ncl.ac.uk

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://procontract.due-north.com/

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://procontract.due-north.com/

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

(NU/1818) The Supply and Installation of a Multiplexed Platform for Measuring Protein Biomarkers with Spatial Resolution at Single Cell Scale

Reference number

DN637330

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 Faculty of Medical Sciences (FMS) within Newcastle University conducts significant discovery and clinical research on human tissue (healthy and diseased) as well as tissues from other relevant biological models. As part of an MRC equipment award (potential), the University are seeking to purchase a technology that can measure multiple protein biomarkers on various tissues and cellular samples with single cell spatial resolution. Due to the sheer nature and complexity of the biological/clinical questions, the system must be able to detect a minimum of 150 protein biomarkers on the same tissue/cell sample. Such a platform will underpin existing work by the FMS core technology platforms including flow cytometry, Bio-imaging and single cell technologies.

As stated in the above background section, but to reiterate, this tender process is for an

analysis platform that is able to detect and measure over 100 protein biomarkers with single-cell level spatial and morphometric resolution in various tissue sections (fixed/frozen and formalin-fixed paraffin embedded – FFPE- samples) as well as immobilised suspension/adherent primary cells and cell lines. The system should be easy to use with set up and walk away features and be able to utilise a range of freely available reagents from various competitive suppliers. It should also be able to be operated in a high-throughput manner with options for multi-slide loading and automated staining/imaging as one unit. The system must also come with dedicated data analysis options to include single cell segmentation, phenotypic exploration and spatial mapping. The system will be operated and supported by the Newcastle Flow Cytometry and Single

cell analysis core facility team as a collaboration with the Bio-Imaging Unit. As part of the offer, we are seeking on-site training for a minimum of three people in all aspects of the platform's operation, including any associated data analysis packages. The offer must include the specified warranty, service and maintenance cover specified in Section 3.2. Please note that the University reserves the right not to make an award of contract. Notification from the MRC about the award of grant funding for the purchase of the platform will be confirmed at the beginning of November. To meet the MRC requirement for delivery, installation and payment the tender process will begin before funding is confirmed.

II.1.5) Estimated total value

Value excluding VAT: £660,000

II.1.6) Information about lots

This contract is divided into lots: No

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

- UKC22 - Tyneside

II.2.4) Description of the procurement

The Faculty of Medical Sciences (FMS) within Newcastle University conducts significant discovery and clinical research on human tissue (healthy and diseased) as well as tissues from other relevant biological models. As part of an MRC equipment award (potential), the University are seeking to purchase a technology that can measure multiple protein biomarkers on various tissues and cellular samples with single cell spatial resolution. Due to the sheer nature and complexity of the biological/clinical questions, the system must be able to detect a minimum of 150 protein biomarkers on the same tissue/cell sample. Such a platform will underpin existing work by the FMS core technology platforms including flow cytometry, Bio-imaging and single cell technologies.

As stated in the above background section, but to reiterate, this tender process is for an

analysis platform that is able to detect and measure over 100 protein biomarkers with single-cell level spatial and morphometric resolution in various tissue sections

(fixed/frozen and formalin-fixed paraffin embedded – FFPE- samples) as well as immobilised suspension/adherent primary cells and cell lines. The system should be easy to use with set up and walk away features and be able to utilise a range of freely available reagents from various competitive suppliers. It should also be able to be operated in a high-throughput manner with options for multi-slide loading and automated staining/imaging as one unit. The system must also come with dedicated data analysis options to include single cell segmentation, phenotypic exploration and spatial mapping. The system will be operated and supported by the Newcastle Flow Cytometry and Single cell analysis core facility team as a collaboration with the Bio-Imaging Unit. As part of the offer, we are seeking on-site training for a minimum of three people in all aspects of the platform's operation, including any associated data analysis packages. The offer must include the specified warranty, service and maintenance cover specified in Section 3.2. Please note that the University reserves the right not to make an award of contract. Notification from the MRC about the award of grant funding for the purchase of the platform will be confirmed at the beginning of November. To meet the MRC requirement for delivery, installation and payment the tender process will begin before funding is confirmed.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £660,000

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

96

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

There are options for extended warranty, maintenance and servicing for up to 8 years.

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

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

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

15 November 2022

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.7) Conditions for opening of tenders

Date

15 November 2022

Local time

2:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

Newcastle University

Newcastle upon Tyne

Country

United Kingdom

Internet address

https://www.ncl.ac.uk

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

Newcastle University will incorporate a minimum 10 calendar day standstill period at the point information on the award of the contract is communicated to tenderers. This period allows unsuccessful tenderers to seek further debriefing before the contract is entered into. Applicants have 2 working days from notification of the award decision to request additional debriefing and 4 / 4 that information has to be provided a minimum of 3 working days before expiry of the standstill period. Such additional information should be requested from the address referred to in part 1.1 above. If an appeal regarding the award of a contract has not been successfully resolved, the Public Contracts Regulations 2015 provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rules to take action in the High Court (England, Wales and Northern Ireland). Any such action must be brought promptly. Where a contract has not been entered into the Court may order the setting aside of the award decision or order the authority to amend any document and may award damages. If the contract has been entered into the Court may only award damages