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Award

GeoMX Spatial Profiler and nCounter MAX

Cardiff University

F15: Voluntary ex ante transparency notice
Notice identifier: 2021/S 000-031607
Procurement identifier (OCID): ocds-h6vhtk-0302ee
Published 17 December 2021, 1:55pm

Section I: Contracting authority/entity

I.1) Name and addresses

Cardiff University

Procurement Services, McKenzie House, 30-36 Newport Road

Cardiff

CF24 0DE

Email

Paynterjk@cardiff.ac.uk

Telephone

+44 2920879648

Country

United Kingdom

NUTS code

UKL - Wales

Internet address(es)

Main address

http://www.cardiff.ac.uk/business/why-work-with-us/for-suppliers

Buyer's address

https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0258

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

GeoMX Spatial Profiler and nCounter MAX

Reference number

CU.786.JP

II.1.2) Main CPV code

- 38432000 - Analysis apparatus

II.1.3) Type of contract

Supplies

II.1.4) Short description

The nanoString GeoMx Digital Spatial Profiler and nCounter Max combination is a novel cutting-edge technology which enables spatially resolved, digital characterisation of proteins or mRNA in tissue specimens, in highly multiplexed assays. The use of highly multiplexed assays combined with precise spatial information is leading to fundamental changes in how tissue samples are analysed within their 2D and 3D context. Importantly, the GeoMx also allows analysis of cultured cells and tissue as well as tissue sections, allowing modelling of in vitro interactions. As well as being integral to the GeoMX workflow, the nCounter can also be used as a powerful stand-alone single-cell analysis instrument.

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: £444,167

II.2) Description

II.2.2) Additional CPV code(s)

- 38432000 - Analysis apparatus

II.2.3) Place of performance

NUTS codes

- UKL - Wales

II.2.4) Description of the procurement

The nanoString GeoMx Digital Spatial Profiler and nCounter Max combination is a novel cutting-edge technology which enables spatially resolved, digital characterisation of proteins or mRNA in tissue specimens, in highly multiplexed assays. The use of highly multiplexed assays combined with precise spatial information is leading to fundamental changes in how tissue samples are analysed within their 2D and 3D context. Importantly, the GeoMx also allows analysis of cultured cells and tissue as well as tissue sections, allowing modelling of in vitro interactions. As well as being integral to the GeoMX workflow, the nCounter can also be used as a powerful stand-alone single-cell analysis instrument.

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

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

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Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

The GeoMx Digital Spatial Profiler (DSP)

is only available from NanoString Technologies, Inc.

The GeoMx DSP is a novel digital technology (proprietary to NanoString) that is based on multiplexed measurement of protein and nucleic acids and offers unparalleled levels of precision coupled with the ability to quantify up to 96 proteins and over 1000 RNA targets on a formalin-fixed, paraffinembedded (FFPE) tissue section on a microscope slide.

In contrast to the sequential analysis of multi-target immunohistochemistry (IHC) slides, the GeoMx DSP samples all protein or RNA analytes on a single slide. This not only shortens experiments and simplifies data analysis, but also provides a higher multiplexing capacity (96 targets) all with spatial context from Formalin-Fixed, Paraffin-Embedded (FFPE) tissue sections.

Based on NanoString’s proprietary digital barcoding technology, the GeoMx DSP platform measures local protein levels, and can be combined with RNA expression, within heterogeneous tissue samples. Combining both multiplexed nucleic acid and protein on the same platform gives researchers the ability to spatially resolve RNA when suitable antibodies do not exist. The GeoMx DSP assay is performed on the GeoMx DSP platform which includes imaging and fluidic components to capture spatial context, and current nCounter®

or next-generation sequencing (NGS) instruments provide the quantification.

Protein detection is enabled via primary antibodies which are covalently attached via a UV photocleavable linker to DNA indexing oligos. Following antigen retrieval, FFPE tissue samples are stained with a multiplexed cocktail of labeled antibodies, and DNA oligos are subsequently released by UV light exposure across regions of interest. The liberated DNA oligos are then hybridized to optical barcodes for quantitation on an nCounter or NGS instrument. This technique enables quantitative, multiplexed protein detection up to 5.5 logs of dynamic range

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

The procurement is covered by the Government Procurement Agreement: Yes

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Section V. Award of contract/concession

Contract No

CU.786.JP

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

15 December 2021

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

NanoString Technologies

St. Marys Court, The Broadway

Amersham

HP70UT

Telephone

+44 7468604366

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

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

Total value of the contract/lot/concession: £444,167

Section VI. Complementary information

VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Sell2Wales Web Site at https://www.sell2wales.gov.wales/Search/Search_Switch.aspx?ID=116921.

(WA Ref:116921)

VI.4) Procedures for review

VI.4.1) Review body

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Telephone

+44 2079477501

Country

United Kingdom