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Contract

Multi-point confocal Microscope

University of Exeter

F03: Contract award notice

Notice identifier: 2022/S 000-016392

Procurement identifier (OCID): ocds-h6vhtk-032451

Published 15 June 2022, 11:56am

Section I: Contracting authority

I.1) Name and addresses

University of Exeter

Northcote House

Exeter

EX4 4QH

Contact

Sam Barker

Email

samantha.barker@exeter.ac.uk

Telephone

+44 11111

Country

United Kingdom

NUTS code

UKK4 - Devon

National registration number

RC000653

Internet address(es)

Main address

http://www.exeter.ac.uk

Buyer's address

https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/53042

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

Multi-point confocal Microscope

Reference number

UOE/2022/033/SB

II.1.2) Main CPV code

- 38510000 - Microscopes

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University is looking to purchase a DragonFly505 multi-point confocal microscope. The system has a multi-modal 2-camera confocal microscope w/ laser Widefield, TIRF, and super-resolution capability. With motorized 1, 1.5 and 2x optical camera zoom to match Nyquist sampling and motorized illumination zoom for high power density illumination of dSTORM samples.

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: £296,519

II.2) Description

II.2.2) Additional CPV code(s)

- 38510000 - Microscopes

II.2.3) Place of performance

NUTS codes

- UKK4 - Devon

II.2.4) Description of the procurement

The University is looking to purchase a DragonFly505 multi-point confocal microscope. The system has a multi-modal 2-camera confocal microscope w/ laser Widefield, TIRF, and super-resolution capability. With motorized 1, 1.5 and 2x optical camera zoom to match Nyquist sampling and motorized illumination zoom for high power density illumination of dSTORM samples. The equipment comes under our budget of £300,000 and includes the following

required features to enable our research outputs using one system:

• 3D localisation astigmatism optics for 3D dSTORM

• Spinning disk confocal, microlens enhanced to maximise excitation efficiency

• 25um and 40um pinhole click-switchable options for high and low magnification objectives.

• Borealis flat-field illumination for seamless image tiling, without the need for shading correction

• NIR extended range, 730nm laser excitation possible that is compatible with the flat-field illumination solution, no requirement for second laser input

• Dual channel simultaneous TIRF via the microscope imaging left side port, no microscope epi-turret dichroic required to ensure TIRF field flatness

• Vacuum sealed 1kx1k 13um pixel EMCCD camera and vacuum sealed 2kx2k 6.5um back illuminated sCMOS camera

• Super resolution SRRF Stream+ on board both cameras , with instant feedback on the output image in the acquisition software

• Provides 3D visualisation, as 3D data is being acquired in real time

• Real time GPU accelerated deconvolution with parallel processing during image capture

• Output image data is optimised for use in IMARIS analysis software

II.2.5) Award criteria

Price

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

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

Explanation:

The University is looking to purchase a DragonFly505 multi-point confocal microscope. The system has a multi-modal 2-camera confocal microscope w/ laser Widefield, TIRF, and super-resolution capability. With motorized 1, 1.5 and 2x optical camera zoom to match Nyquist sampling and motorized illumination zoom for high power density illumination of dSTORM samples. The equipment comes under our budget of £300,000 and includes the following required features to enable our research outputs using one system:

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• Spinning disk confocal, microlens enhanced to maximise excitation efficiency

• 25um and 40um pinhole click-switchable options for high and low magnification objectives.

• Borealis flat-field illumination for seamless image tiling, without the need for shading correction

• NIR extended range, 730nm laser excitation possible that is compatible with the flat-field illumination solution, no requirement for second laser input

• Dual channel simultaneous TIRF via the microscope imaging left side port, no microscope epi-turret dichroic required to ensure TIRF field flatness

• Vacuum sealed 1kx1k 13um pixel EMCCD camera and vacuum sealed 2kx2k 6.5um back illuminated sCMOS camera

• Super resolution SRRF Stream+ on board both cameras , with instant feedback on the

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• Output image data is optimised for use in IMARIS analysis software

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.2.1) Previous publication concerning this procedure

Notice number: 2022/S 000-007607

IV.2.9) Information about termination of call for competition in the form of a prior information notice

The contracting authority will not award any further contracts based on the above prior information notice

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Section V. Award of contract

Contract No

1

Title

Multi-point confocal Microscope

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

18 May 2022

V.2.2) Information about tenders

Number of tenders received: 1

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

V.2.3) Name and address of the contractor

Andor, An Oxford Instruments Company

Belfast

Country

United Kingdom

NUTS code

- UKN - Northern Ireland

The contractor is an SME

No

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

Total value of the contract/lot: £296,519

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Royal Court of Justice

London

Country

United Kingdom