

Finland-Oulu: Inverted microscopes
OJ S 161/2023 23/08/2023
Contract notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: University of Oulu
National registration number: 0245895-5
Postal address: Pentti Kaiteran katu 1 / PL 8000
Town: OULU
NUTS code: FI1D9 Pohjois-Pohjanmaa
Postal code: 90014
Country: Finland
Contact person: Jenna Sipilä
E-mail: hankinnat@oulu.fi
Internet address(es):
Main address: <http://www.oulu.fi/yliopisto/>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tarjouspalvelu.fi/oulunyliopisto?id=466227&tpk=04f59bb8-025e-49c6-b519-c23cf33837ed>
Additional information can be obtained from the abovementioned address
Tenders or requests to participate must be submitted electronically via: <https://tarjouspalvelu.fi/oulunyliopisto?id=466227&tpk=04f59bb8-025e-49c6-b519-c23cf33837ed>

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

Inverted Microscope
Reference number: 466227

II.1.2. Main CPV code

38513100 Inverted microscopes

II.1.3. Type of contract

Supplies

II.1.4. Short description

University of Oulu, Elbuken Lab: Microfluidics and Biosensor Research Group, requests tenders for an inverted microscope. Purpose of the investment is to monitor particle flow inside microfluidic devices that are custom-designed using microfabrication techniques. The microscope will be used to measure device dimensions, image flow profiles using fluorescent particle tracers and to record images and time lapse images. The microscope will complement the existing microscopes and will be used for long-term imaging of particle flow inside microchannels.

The microscope will be used for research purposes for microfluidic system and biosensor development, e.g. . microfluidic connections are made from above for the microfluidic devices we produce. These devices are primarily made put of polymers (PDMS and PMMA) and bonded on 1mm-thick glass or PMMA. Hence, at least 5 cm working space is needed above the devices, thus an inverted microscope is needed. Both mm-scale channel features and micron-scale particle flow will be monitored, hence a range of magnification options are required to cover at least range from 2,5x to 65x. Imaging will be done using multiple cameras, including the existing high speed camera, hence multiple camera port options and simultaneous imaging from two cameras is required, one being the existing high speed camera. A color camera is needed for imaging. A high sensitivity monochromatic camera is required for fluorescent imaging. Multiple types of particles will be imaged, hence brightfield, fluorescent, polarization and DIC contrast options are needed. Phase contrast is not needed. Automated turret change is not needed. R,G,B and UV ranges should be covered for fluorescent imaging with proper light source and filter set combinations.

A desktop computer with screen is available, hence the software should be installed to the existing desktop. Software is required to control the motorized capability, x-y and z direction movement.

The microscope needs to be available for further upgrades, such as higher automation, confocal imaging, Raman imaging, hence an upgradable chassis is required.

Expected value of the acquisition is 75.000-130.000 € (VAT 0 %). Later on, the value may be more than 215.000 € (VAT 0 %) including options and other unspecified additional costs of additional features in the future when upgrading of the microscope is needed. The future upgrades (options) do not affect the tender price comparison.

II.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: FI1D9 Pohjois-Pohjanmaa

Main site or place of performance: Oulu

II.2.4. Description of the procurement

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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

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

Duration in months: 12

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:

The contracting entity reserves the right to get additional purchases from the tenderer who has won. The microscope will be extended with several features in the future.

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: yes

Identification of the project: European Research Council Executive Agency (ERCEA). EU ERC Consolidator, project name: BiNet - Particle distribution dynamics in nonlinear bifurcating networks. HORIZON ERC Grants.

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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: 22/09/2023 Local time: 16:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

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

English

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 5 (from the date stated for receipt of tender)

IV.2.7. Conditions for opening of tenders

Date: 25/09/2023 Local time: 09:00

Place:

Oulu

Information about authorised persons and opening procedure: The opening ceremony for tenders is not public.

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.3. Additional information

This notice has links and/or attachments listed in <https://www.hankintailmoitukset.fi/en/public/procurement/91709/notice/134717>

VI.4. Procedures for review

VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

VI.5.

Date of dispatch of this notice

18/08/2023