

**Finland-Turun yliopisto: Mass spectrometer**  
**OJ S 80/2023 24/04/2023**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Turun yliopisto  
National registration number: 0245896-3  
Postal address: Yliopistonmäki  
Town: Turun yliopisto  
NUTS code: FI1C1 Varsinais-Suomi  
Postal code: 20014  
Country: Finland  
E-mail: [procurement@utu.fi](mailto:procurement@utu.fi)  
**Internet address(es):**  
Main address: <http://www.utu.fi>

**I.4. Type of the contracting authority**

Body governed by public law

**I.5. Main activity**

Education

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**Section II: Object**

**II.1. Scope of the procurement**

**II.1.1. Title**

Quadrupole time-of-flight mass spectrometer with ion mobility and imaging capabilities

**II.1.2. Main CPV code**

38433100 Mass spectrometer

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

The university intends to purchase a mass spectrometry imaging instrument for spatial multiomics analyses combining IHC with untargeted identification and characterization of endogenous molecules, and for ESI applications utilizing ion mobility separation to derive information on the three-dimensional structures of the analytes.

**II.1.6. Information about lots**

This contract is divided into lots: no

**II.1.7.**

## **Total value of the procurement**

Value excluding VAT: 1 199 938,00 EUR

### **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 code: FI1C1 Varsinais-Suomi

#### **II.2.4. Description of the procurement**

The university intends to purchase a mass spectrometry imaging instrument for spatial multiomics analyses combining IHC with untargeted identification and characterization of endogenous molecules, and for ESI applications utilizing ion mobility separation to derive information on the three-dimensional structures of the analytes.

#### **II.2.5. Award criteria**

Price

#### **II.2.11. Information about options**

Options: yes

Description of options:

Options include various feature modules, bundles, libraries and software option for imaging, proteomics and metabolomics/lipidomics, as well as service, training and accessories.

The use of options is at the sole discretion of the buyer.

#### **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 Commission's Recovery and Resilience Facility (RRF)

#### **II.2.14. Additional information**

### **Section IV: Procedure**

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#### **IV.1. Description**

##### **IV.1.1. Type of procedure**

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

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

Explanation:

Justification for direct purchase of the fast and sensitive quadrupole time-of-flight mass spectrometer with ion mobility and imaging capabilities for Turku Immunology Centre, University of Turku.

We will purchase a mass spectrometry imaging instrument for spatial multiomics analyses combining IHC with untargeted identification and characterization of endogenous molecules, and for ESI applications utilizing ion mobility separation to derive information on the three-

dimensional structures of the analytes. timsTOF flex MALDI-2, provided by Bruker, is the only instruments in the market that meet all the specific and necessary technical requirements to fulfil the uncompromising needs of the acquiring department as follows:

- The instrument must have MALDI/ESI dual ion source that enables switching without physical exchange of the source.
- The instrument needs to be capable of fast (10 pixels/s) and high resolution (down to 5 µm pixel size) MALDI-imaging.
- The MALDI ion source must consist of a two-laser setup (MALDI-2) for improved sensitivity and ability detect multiple compound classes.
- The instrument must have a trapped ion mobility mass spectrometry (TIMS) capability to resolve isobaric compounds and to provide Collision Cross Section (CCS) values with high reproducibility (relative standard deviation ≤ 0.5%)
- The instrument needs to have dual-TIMS technology to enable parallel accumulation and serial fragmentation (PASEF) -based methods.
- The instrument must provide competitive performance (>120Hz Acquisition speed with high duty cycle, 60000 mass resolution independent of MS or MS/MS sequencing speed), and pre-defined methods utilizing both m/z and ion mobility data, for DDA, DIA, and PRM proteomics applications.

According to the Act on Public Procurement and Concession Contracts (1397/2016) section 40 when only a certain supplier can implement the procurement for a technical reason, provided also that there are no reasonable alternatives or substitute solutions, and that the absence of competition is not due to an artificial narrowing of the terms and conditions of the procurement, the contract may be awarded only to a particular supplier, Contracting authorities may award public contracts by a direct award.

Prior to making decision the Contracting authority has inspected the relevant markets and available products and after careful consideration found its' conclusion grounded.

#### **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.2.8. Information about termination of dynamic purchasing system**

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

### **Section V: Award of contract**

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#### **Title:**

Quadrupole time-of-flight mass spectrometer with ion mobility and imaging capabilities

A contract/lot is awarded: yes

#### **V.2. Award of contract**

##### **V.2.1. Date of conclusion of the contract**

29/03/2023

##### **V.2.2. Information about tenders**

Number of tenders received: 1

Number of tenders received from SMEs: 0  
Number of tenders received by electronic means: 1  
The contract has been awarded to a group of economic operators: no

**V.2.3. Name and address of the contractor**

Official name: Bruker Nordic AB  
National registration number: 556577-2364  
Town: Kista  
NUTS code: SE Sverige  
Country: Sweden  
The contractor is an SME: no

**V.2.4. Information on value of the contract/lot**

Total value of the contract/lot: 1 199 938,00 EUR

**V.2.5. Information about subcontracting**

**Section VI: Complementary information**

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**VI.3. Additional information**

**VI.4. Procedures for review**

**VI.4.1. Review body**

Official name: Markkinaoikeus  
Postal address: Sörnäistenkatu 1  
Town: Helsinki  
Postal code: 00580  
Country: Finland  
E-mail: [markkinaoikeus@oikeus.fi](mailto:markkinaoikeus@oikeus.fi)  
Telephone: +358 295643300  
Internet address: <http://www.oikeus.fi/markkinaoikeus>

**VI.5. Date of dispatch of this notice**

19/04/2023