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Tender

# **THE SUPPLY AND INSTALLATION OF TWO ULTRA-FAST MAS PROBES FOR NMR SPECTROSCOPY OF BIOSOLIDS AT 1.2 GHZ - UNIVERSITY OF BIRMINGHAM**

THE UNIVERSITY OF BIRMINGHAM

F02: Contract notice

Notice identifier: 2024/S 000-019591

Procurement identifier (OCID): ocds-h6vhtk-0472d6

Published 26 June 2024, 7:24pm

## **Section I: Contracting authority**

### **I.1) Name and addresses**

THE UNIVERSITY OF BIRMINGHAM

Edgbaston

BIRMINGHAM

B152TT

### **Contact**

Kseniya Samsonik

### **Email**

[K.Samsonik@bham.ac.uk](mailto:K.Samsonik@bham.ac.uk)

### **Country**

United Kingdom

**Region code**

UKG31 - Birmingham

**UK Register of Learning Providers (UKPRN number)**

10006840

**Internet address(es)**

Main address

[www.bham.ac.uk](http://www.bham.ac.uk)

**I.3) Communication**

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

[www.in-tendhost.co.uk/universityofbirmingham.aspx/Home](http://www.in-tendhost.co.uk/universityofbirmingham.aspx/Home)

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

[www.in-tendhost.co.uk/universityofbirmingham.aspx/Home](http://www.in-tendhost.co.uk/universityofbirmingham.aspx/Home)

Tenders or requests to participate must be submitted to the above-mentioned address

**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**

THE SUPPLY AND INSTALLATION OF TWO ULTRA-FAST MAS PROBES FOR NMR SPECTROSCOPY OF BIOSOLIDS AT 1.2 GHZ - UNIVERSITY OF BIRMINGHAM

#### **II.1.2) Main CPV code**

- 33113110 - Nuclear magnetic resonance scanners

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

The University of Birmingham invites tenders for the supply and installation of two ultra-fast magic-angle-spinning (MAS) triple-resonance probes to be used in combination with a Bruker 1.2-GHz NMR spectrometer and 54mm standard-bore Ascend 1200 magnet.

#### **II.1.5) Estimated total value**

Value excluding VAT: £210,000

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

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

The University of Birmingham invites tenders for the supply and installation of two ultra-fast magic-angle-spinning (MAS) triple-resonance probes to be used in combination with a Bruker

1.2-GHz NMR spectrometer and 54mm standard-bore Ascend 1200 magnet.

Both probes are intended to be used primarily for  $^1\text{H}$ -detected double- and triple-resonance NMR of semi-solid biological samples under conditions of ultra-fast MAS (  $\geq 100$  kHz). The probes should be different with respect to their sample volumes (and therefore rotor-diameters and maximum achievable MAS rates). The first probe should ideally have a sample volume of 900  $\mu\text{L}$  (or greater) and be capable of a MAS rate of 100 kHz (or faster). The second probe should ideally have a sample volume of 250  $\mu\text{L}$  (or greater) and be capable of a MAS rate of 150 kHz (or faster). Both probes should be optimized for  $^1\text{H}$  sensitivity and should permit a  $^1\text{H}/^{13}\text{C}/^{15}\text{N}$  triple-resonance channel-configuration, and the probe with the larger sample volume should additionally permit a  $^1\text{H}/^{13}\text{C}/^{31}\text{P}$  channel-configuration.

In addition to the probes themselves, the equipment package should include the following items:

- A dedicated MAS control unit.
- All accessories, mounting elements and electronic and pneumatic adaptors/interconnectors required for temperature-controlled operation of the probes with the latest-generation Bruker 1.2 GHz NMR magnet and spectrometer.
- Rotor-handling station(s)/kit(s) to facilitate loading and removal of wet, semi-solid biological samples into the MAS rotors (including centrifugal adaptors).
- Pre-filled test rotors required for probe installation, testing and optimization.
- Sets of empty rotors and caps.

### **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: £210,000

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

Start date

10 August 2024

End date

30 July 2026

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: No

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## **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

26 July 2024

Local time

12:00pm

#### **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**

Tender must be valid until: 31 December 2024

#### **IV.2.7) Conditions for opening of tenders**

Date

26 July 2024

Local time

12:01pm

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### **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**

The University of Birmingham

Birmingham

Country

United Kingdom