1. Buyer

1.1 Buyer

Official name: Universiteit Leiden

2. Procedure

2.1 Procedure

Title:	Orbitrap Astral Mass Spectrometer
Description:	The Leiden Institute of Chemistry (LIC) seeks to purchase a state-of-the-art ultrahigh-performance liquid chromatography coupled to mass spectrometry (nano-UHPLC-MS) system for the performance of specific proteomic and chemical proteomic experiments. At our institute diverse (chemical) proteomic workflows need to be performed for our research in the field of Chemical Biology. The newly purchased instrument must be able to enable all of these applications and to operate at sufficient speeds that the required sample throughput can be reached. This publication is done to publish our intention to award the contract to Thermo Fisher Scientific by means of the negotiated procedure. If no representations are received within 20 days of this publication, the contract will be awarded.
Procedure identifier:	f383f3fb-918d-46d9-a69b-f57fde057677
Internal identifier:	b3c75b8a-31df-49fb-8d5f-280019387943
Type of procedure:	Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38433100 Mass spectrometer
Additional classification (cpv):	38432200 Chromatographs

2.1.2 Place of performance

Town:	Leiden
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Additional information:	See documentation

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Orbitrap Astral Mass Spectrometer
Description:	The Leiden Institute of Chemistry (LIC) seeks to purchase a state-of-the-art ultrahigh-performance liquid chromatography coupled to mass spectrometry (nano-UHPLC-MS) system for the performance of specific proteomic and chemical proteomic experiments. At our institute diverse (chemical) proteomic workflows need to be performed for our research in the field of Chemical Biology. The newly purchased instrument must be able to enable all of these applications and to operate at sufficient speeds that the required sample throughput can be reached. This publication is done to publish our intention to award the contract

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	to Thermo Fisher Scientific by means of the negotiated procedure. If no representations are received within 20 days of this publication, the contract will be awarded.
Internal identifier:	badf5494-a66d-4fc0-b551-eb4db769ae53

5.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38433100 Mass spectrometer
Additional classification (cpv):	38432200 Chromatographs

5.1.2 Place of performance

Town:	Leiden
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Additional information:	See documentation

5.1.6 General information

Procurement Project not financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA):	yes

5.1.10 Award criteria

Criterion:	
Type:	Price
Name:	Price
Description:	Price
Category of award threshold criterion:	Weight (percentage, exact)
Award criterion number:	100

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank Den Haag
Information about review deadlines:	Representations can be made within 20 days after this publication.
Organisation	

Rijksoverheid

whose budget is used to pay for the contract:	Universiteit Leiden
Organisation executing the payment:	Universiteit Leiden
Organisation signing the contract:	Universiteit Leiden

6. Results

Direct award:	
Justification for direct award:	The contract can be provided only by a particular economic operator because of an absence of competition for technical reasons
Other justification:	The Leiden Institute of Chemistry (LIC) seeks to purchase a state-of-the-art ultrahigh-performance liquid chromatography coupled to mass spectrometry (nano-UHPLC-MS) system for the performance of specific proteomic and chemical proteomic experiments. At our institute diverse (chemical) proteomic workflows need to be performed for our research in the field of Chemical Biology. The newly purchased instrument must be able to enable all of these applications and to operate at sufficient speeds that the required sample throughput can be reached. Specifically, we need to perform the following experiments: Full proteome profiling experiments for e.g. expression proteomics. For these experiments a high coverage and, therefore, high scan rate are needed in order to identify and quantify a sufficiently high number of different peptides derived from various proteins. Furthermore, data-independent approaches need to be enabled to further allow increasing the information content of the analysis. Chemical proteomics of enriched proteins or modified peptides from e.g. activity-based protein profiling (ABPP) workflows For these experiments, high sensitivity for the detection of peptides is needed due to the often limited sample amounts and concentrations. A high dynamic range and robustness are needed as the final samples have widely varying peptide concentrations and as high concentrations of e.g. streptavidin contaminations are often encountered in the samples that otherwise mask the enriched peptides-of-interest. Furthermore, a high mass resolution and accuracy is required to precisely localize the chemical modification of interest. Full proteome profiling and chemical proteomics using multiplexed quantification via TMT analysis: For these experiments, high coverage, deep quantitative accuracy, and high scan rates are required to identify and quantify thousands of proteins and across complex sample cohorts using tandem mass tags (TMT). Measurement of TMT-labeled samples (TMT and TMTpro) demands exceptional MS/MS resolving power and mass accuracy to eliminate co-isolation interference and ratio compression. For all above experiments, a nano-UHPLC is needed to separate the sample peptides in flowrates compatible with subsequent mass spectrometric analysis and with high-throughput capabilities matching the increased scope of projects. Furthermore, low carryover is required between measurements. The only system able to meet all requirements for our specific research applications is the Thermo Fisher Orbitrap Astral coupled to Evosep Eno, for the following technical reasons: Requirements for the mass spectrometer are capability of high-resolution data-dependent acquisition (DDA) and data-independent acquisition (DIA) with scan rates of 200 Hz. The system should be capable of parallel dual-analyzer data acquisition without intrinsic MS1/MS2 performance trade-offs. The system should be capable of high-speed scan rates with high mass resolving power, 480,000 at 200 m/z for MS1 and 80,000 at 524 m/z at 200 Hz for MS2. The system should be capable of accurate quantitation of TMT18-plex labeled peptides and narrow precursor ion selection down to 0.4 m /z. The system should enable accurate mass measurement (< 1 ppm) with automatic calibration and retain high mass accuracy across multiple days. Requirements for the liquid chromatography are standardized, robust gradient chromatography capable of measuring up to 500 samples per day with low carryover by using disposable trap columns. For data processing, requirements are full compatibility with and optimal performance with software currently used for our data processing pipelines (DIA-NN, FragPipe). In conclusion, the Thermo Fisher Scientific Orbitrap Astral coupled to a Evosep Eno nano-UHPLC is the only system that offers the combination of all of these features, which are necessary for the successful completion of all of these experiments for our diverse research projects.

6.1 Result lot Identifier: LOT-0000

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6.1.2 Information about winners

Winner:

Official name:	Thermo Fisher Scientific BV

Tender:

Tender identifier:	T244921
Identifier of lot or group of lots:	LOT-0000
Value of the tender:	975 141 Euro
The tender was ranked:	no
Subcontracting :	No

Contract information:

Identifier of the contract:	CPQ-00915762
Date on which the winner was chosen:	13/11/2026
Organisation signing the contract:	Universiteit Leiden

8. Organisations

8.1 ORG-0001

Official name:	Universiteit Leiden
Registration number:	27368929
Postal address :	Kolffpad 1
Town:	Leiden
Postcode:	2333BN
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Contact point:	Govert Schipperheijn
Email:	inkoop@ufb.leidenuniv.nl
Telephone:	+31715273304
Internet address:	https://www.universiteitleiden.nl/
Buyer profile:	https://s2c.mercell.com/buyer/19549

Roles of this organisation:

Buyer

Organisation signing the contract

Organisation whose budget is used to pay for the contract

Organisation executing the payment

8.1 ORG-0002

Rijksoverheid

Official name:	Rechtbank Den Haag
Registration number:	82946175
Department:	Civiel
Postal address :	Postbus 20303
Town:	Den Haag
Postcode:	2500 EH
Country subdivision (NUTS):	Agglomeratie 's-Gravenhage (NL361)
Country:	Netherlands
Contact point:	Informatie
Email:	info@rechtspraak.nl
Telephone:	+31883622200
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Den-Haag

Roles of this organisation:

Review organisation

8.1 ORG-0003

Official name:	Thermo Fisher Scientific BV
Size of the economic operator:	Large
Registration number:	32059695
Postal address :	Verlengde Poolseweg 16, Unit 214
Town:	Breda
Postcode:	4818 CL
Country subdivision (NUTS):	West-Noord-Brabant (NL411)
Country:	Netherlands

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

Notice information

Notice identifier /version:	3ce9b632-6e9f-42a3-948c-d15b561c7a43 - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date:	13/11/2026 14:17 +00:00
Notice dispatch date (eSender):	13/11/2026 14:18 +00:00

Rijksoverheid

Languages in which this notice is officially available:	English

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