1. Buyer

1.1 Buyer

Official name:	Rijksuniversiteit Groningen
Legal type of the buyer:	Body governed by public law
Activity of the contracting authority:	Education

2. Procedure

2.1 Procedure

Title:	Automated liquid handling system
Description:	The University of Groningen (hereinafter: the UG) intends to procure an automated liquid handling system and to integrate it with the Tecan Spark plate reader already in use at the Stratingh Institute for Chemistry. The combined system will be used to analyse and characterise reaction kinetics and to feed the resulting data into an AI-driven optimisation loop. Within the BigChemistry initiative, a new RobotLab has recently been established at the Stratingh Institute for Chemistry (University of Groningen). The overarching goal of the RobotLab is to enable closed-loop optimization of catalytic processes through automation. Plate-reader-based analysis is well suited to this goal: up to 384 reaction conditions can be measured in a single run, and the material consumed per screening is low (down to 20 µL per well, compared with 0.5–1 mL for traditional UV-vis and fluorescence spectrophotometers). Achieving this goal requires the continuous generation of reliable, high-quality analytical data to characterise reaction kinetics and to feed directly into AI-driven optimisation models. A single human operator can generate only a limited volume of data per day, and manual handling introduces variability and error. An automated liquid handler coupled to a plate reader, with both instruments orchestrated through a single software environment, is therefore necessary to achieve the autonomous, high-throughput data acquisition and the feedback to the control algorithms that the RobotLab requires. The RobotLab brings together several research groups within the Institute, working on reaction screening, the synthesis of libraries of organic ligands and peptides, and the optimisation of catalytic processes. High-throughput automated analysis — in particular UV-vis and fluorescence — is therefore critical to generating the data volumes needed to close the experimental loop between catalysis, analysis and AI-driven decision-making. See the market consultation document for futher information.
Procedure identifier:	09836846-34fa-4f65-b8d7-323c7e76bb37
Internal identifier:	27a233b8-fcdf-45a9-b7e4-7b04c165f325
Type of procedure:	Negotiated with prior publication of a call for competition / competitive with negotiation

2.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)

2.1.2 Place of performance

Country:	Netherlands

Anywhere in the given country

Additional information:	See documentation

2.1.3 Value

Estimated

Rijksoverheid

value excluding VAT:	95 110 Euro

2.1.4 General information

Legal basis:

Directive 2014/24/EU

2.1.6 Grounds for exclusion

Sources of grounds for exclusion:	European Single Procurement Document (ESPD)

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Automated liquid handling system
Description:	The University of Groningen (hereinafter: the UG) intends to procure an automated liquid handling system and to integrate it with the Tecan Spark plate reader already in use at the Stratingh Institute for Chemistry. The combined system will be used to analyse and characterise reaction kinetics and to feed the resulting data into an AI-driven optimisation loop. Within the BigChemistry initiative, a new RobotLab has recently been established at the Stratingh Institute for Chemistry (University of Groningen). The overarching goal of the RobotLab is to enable closed-loop optimization of catalytic processes through automation. Plate-reader-based analysis is well suited to this goal: up to 384 reaction conditions can be measured in a single run, and the material consumed per screening is low (down to 20 µL per well, compared with 0.5–1 mL for traditional UV-vis and fluorescence spectrophotometers). Achieving this goal requires the continuous generation of reliable, high-quality analytical data to characterise reaction kinetics and to feed directly into AI-driven optimisation models. A single human operator can generate only a limited volume of data per day, and manual handling introduces variability and error. An automated liquid handler coupled to a plate reader, with both instruments orchestrated through a single software environment, is therefore necessary to achieve the autonomous, high-throughput data acquisition and the feedback to the control algorithms that the RobotLab requires. The RobotLab brings together several research groups within the Institute, working on reaction screening, the synthesis of libraries of organic ligands and peptides, and the optimisation of catalytic processes. High-throughput automated analysis — in particular UV-vis and fluorescence — is therefore critical to generating the data volumes needed to close the experimental loop between catalysis, analysis and AI-driven decision-making. See the market consultation document for futher information.
Internal identifier:	4fe2e0d7-e4b3-42c6-87a1-aec5f250c829

5.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)

5.1.2 Place of performance

Country:	Netherlands

Anywhere in the given country

Additional information:	See documentation

5.1.3 Estimated duration

Other duration:	Unknown

5.1.5 Value

Estimated value

Rijksoverheid

excluding VAT:	95 110 Euro

5.1.6 General information

Reserved participation:	Participation is not reserved.
Procurement	Project fully or partially financed with EU Funds.
The procurement is covered by the Government Procurement Agreement (GPA):	no

5.1.9 Selection criteria

Sources of selection criteria:	European Single Procurement Document (ESPD)

5.1.11 Procurement documents

Address of the procurement documents:	https://s2c.mercell.com/today/230387

5.1.12 Terms of procurement

Terms of submission:

Electronic submission:	Allowed
Address for submission:	https://s2c.mercell.com/today/230387
Languages in which tenders or requests to participate may be submitted:	English
Deadline for receipt of expressions of interest:	07/09/2026 22:00 +00:00

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes:	Not yet known

Rijksoverheid

5.1.15 Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank Groningen
Information about review deadlines:	See market consultation document
Organisation providing additional information about the procurement procedure:	Rijksuniversiteit Groningen
Organisation providing more information on the review procedures:	Rechtbank Groningen

8. Organisations

8.1 ORG-0001

Official name :	Rijksuniversiteit Groningen
Registration number:	01179037
Postal address:	Broerstraat 5
Town:	Groningen
Postcode:	9712CP
Country subdivision (NUTS):	Overig Groningen (NL115)
Country:	Netherlands
Contact point :	Esther Arends
Email:	e.r.arends@rug.nl
Telephone:	+31653239942
Internet address:	https://www.rug.nl

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

8.1 ORG-0002

Official name

Rijksoverheid

:	Rechtbank Groningen
Registration number:	82950385
Department:	Rechtbank
Postal address:	Guyotplein 1
Town:	Groningen
Postcode:	9712NX
Country subdivision (NUTS):	Overig Groningen (NL115)
Country:	Netherlands
Contact point :	nvt
Email:	info.rechtbanknoordnederland@rechtspraak.nl
Telephone:	+310883614444
Fax:	+310883614444
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Noord-Nederland
Information exchange endpoint (URL):	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Noord-Nederland

Roles of this organisation:

Review organisation

Organisation providing more information on the review procedures

Notice information

Notice identifier /version:	0542ac30-a75a-4116-814d-f8bbcfb4ed6e - 01
Form type:	Competition
Notice type:	Prior information notice or a periodic indicative notice used as a call for competition – standard regime
Notice dispatch date :	28/08/2026 07:22 +00:00
Notice dispatch date (eSender):	28/08/2026 07:28 +00:00
Languages in which this notice is officially available:	English

Rijksoverheid