

AANKONDIGING IN GEVAL VAN VRIJWILLIGE TRANSPARANTIE VOORAF

Leveringen

Richtlijn 2014/24/EU

AFDELING I: AANBESTEDENDE DIENST/INSTANTIE

I.1) NAAM EN ADRESSEN

Officiële benaming:

Universiteit van Amsterdam

Nationale identificatie:

34370207

Postadres:

Postbus 200

Plaats:

Amsterdam

NUTS-code:

NL

Postcode:

1000AE

Land:

NL

Contactpersoon:

Ilona Verweij - Wink

Telefoon:

-

E-mail:

i.s.wink@uva.nl

Fax:

-

Internetadres(sen)

Hoofdadres:

<http://www.uva.nl>

Adres van het kopersprofiel:

<http://www.uva.nl>

I.4) SOORT AANBESTEDENDE DIENST

Publiekrechtelijke instelling

I.5) HOOFDACTIVITEIT

- Onderwijs

AFDELING II: VOORWERP

II.1) OMVANG VAN DE AANBESTEDING

II.1.1) Benaming

Two-photon microscope (Voluntary ex ante transparency notice)

Referentienummer: -

II.1.2) CPV-code(s)

Hoofdcategorie:

38510000 - Microscopen

Subcategorie:

-

II.1.3) Type opdracht

Leveringen

II.1.4) Korte beschrijving

The University of Amsterdam (Cognitive and Systems Neuroscience Group, Swammerdam Institute for Life Sciences) needs to purchase a two-photon microscope for the recently awarded Horizon Europe EIC project NAP: twiN-on-a-chip brAins for monitoring individual sleep habits. The goal of the project is to study large-scale neuronal dynamics both in vivo and in vitro. To achieve this, a large field of view two-photon microscope is necessary. This adds additional constraints to the required specifications, to make it feasible to properly record activity in arbitrary cortical areas and at the same time ensure that the sample can be properly positioned in the experimental setup.

II.1.6) Inlichtingen over percelen

Verdeling in percelen: neen

II.1.7) Totale waarde van de aanbesteding (exclusief btw)

Waarde: 321 500,00

Munt: USD

II.2) BESCHRIJVING

II.2.1) Benaming

-

Perceel nr.: -

II.2.2) Aanvullende CPV-code(s)

-

II.2.3) Plaats van uitvoering

NUTS-code:

NL NEDERLAND

Voornaamste plaats van uitvoering:

University of Amsterdam, Location Science Park, Amsterdam

II.2.4) Beschrijving van de aanbesteding:

(aard en omvang van de werken, leveringen of diensten, of vermelding van de behoeften en vereisten)

The University of Amsterdam (Cognitive and Systems Neuroscience Group, Swammerdam Institute for Life Sciences) needs to purchase a two-photon microscope for the recently awarded Horizon Europe EIC project NAP: twiN-on-a-chip brAins for monitoring individual sleep habits. The goal of the project is to study large-scale neuronal dynamics both in vivo and in vitro. To achieve this, a large field of view two-photon microscope is necessary. This adds additional constraints to the required specifications, to make it feasible to properly record activity in arbitrary cortical areas and at the same time ensure that the sample can be properly positioned in the experimental setup.

Based on the list of specifications (see appendix D), it appears that only Thorlabs Inc. is able to provide a suitable two-photon microscope. Specifically, this will be a Bergamo II series microscope specially customized to meet the project's needs. This microscope is not currently provided as an off-the-shelf system, but Thorlabs is able to develop a new system specially designed for the NAP project.

II.2.5) Gunningscriteria

-

II.2.11) Inlichtingen over opties

Opties: neen

II.2.13) Inlichtingen over middelen van de Europese Unie

De aanbesteding houdt verband met een project en/of een programma dat met middelen van de EU wordt gefinancierd: ja

Benaming van het project:

Horizon Europe EIC project NAP: twiN-on-a-chip brAins for monitoring individual sleep habits

II.2.14) Nadere inlichtingen:

-

AFDELING IV: PROCEDURE

IV.1) BESCHRIJVING

IV.1.1) Type procedure

Onderhandelingsprocedure zonder voorafgaande bekendmaking

IV.1.3) Inlichtingen over de raamovereenkomst

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IV.1.8) Inlichtingen over de Overeenkomst inzake overheidsopdrachten (GPA)

De opdracht valt onder de GPA: ja

IV.2) ADMINISTRATIEVE INLICHTINGEN

IV.2.1) Eerdere bekendmaking betreffende deze procedure

Nummer van de aankondiging in het PB S: -

AFDELING V: GUNNING VAN EEN OPDRACHT / CONCESSIEOVEREENKOMST

Opdracht nr.: -

Perceel nr.: -

Benaming: -

V.2) GUNNING VAN EEN OPDRACHT / CONCESSIEOVEREENKOMST

V.2.1) Datum van de sluiting van de overeenkomst/het besluit tot gunning van de concessieovereenkomst:

13/02/2023

V.2.2) Inlichtingen over inschrijvingen

De opdracht is gegund aan een groep ondernemers: neen

V.2.3) Naam en adres van de contractant/concessiehouder

Officiële benaming:

Thorlabs Imaging Research Group LLC

Nationale identificatie:

-

Postadres:

108 Powers Court

Plaats:

Sterling, Virginia, United States

NUTS-code:

NL

Postcode:

20166

Land:

NL

Telefoon:

-

E-mail:

-

Fax:

-

Internetadres:

-

De contractant/concessiehouder is een mkb-bedrijf: neen

V.2.4) Inlichtingen over de waarde van de opdracht/het perceel/de concessieovereenkomst (exclusief btw)

Aanvankelijk geraamde totale waarde van de opdracht/het perceel/de concessieovereenkomst:
321 500,00

Totale waarde van de opdracht/het perceel/de concessie: 321 500,00

Munt: USD

V.2.5) Inlichtingen over uitbesteding

-

AFDELING VI: AANVULLENDE INLICHTINGEN

VI.3) NADERE INLICHTINGEN

This voluntary ex ante notice is used to inform economic operators and to provide them with an opportunity to lodge any objections concerning our intention to award the contract to Thorlabs Inc. Economic operators will have the opportunity, within a period of 20 days from the date of this notice, to lodge their objections via email. Please send an email to aanbestedingen@uva.nl and mention 'Objections Thorlabs' in the subject line of your email. Any potential objections will be taken into consideration. If we do not receive any objections, we will follow the procedure as laid down in this notice, in which case you will lose the right to oppose the procedure.

* please note that Thorlabs is located in the United States (opposed to what is mentioned at V.2.3 - NUTScode).

VI.4) BEROEPSPROCEDURES

VI.4.1) Beroepsinstantie

Officiële benaming:

Rechtbank Amsterdam

Postadres:

-

Plaats:

Amsterdam

Postcode:

-

Land:

NL

E-mail:

-

Telefoon:

-

Internetadres:

-

Fax:

-

VI.4.2) Voor bemiddelingsprocedures bevoegde instantie

-

VI.4.3) Beroepsprocedure

Precieze aanduiding van de termijn(en) voor beroepsprocedures:

-

VI.4.4) Dienst waar inlichtingen over de beroepsprocedures kunnen worden verkregen

-

VI.5) DATUM VAN VERZENDING VAN DEZE AANKONDIGING

13/02/2023

BIJLAGE D1 – ALGEMENE AANBESTEDING: MOTIVERING VOOR DE GUNNING VAN DE OPDRACHT ZONDER VOORAFGAANDE BEKENDMAKING VAN EEN OPROEP TOT MEDEDINGING IN HET PUBLICATIEBLAD VAN DE EUROPESE UNIE

Richtlijn 2014/24/EU

D1.1) Motivering voor de keuze van de onderhandelingsprocedure zonder voorafgaande bekendmaking van een oproep tot mededinging in overeenstemming met artikel 32 van Richtlijn 2014/24/EU

De werken, leveringen of diensten kunnen om de volgende reden alleen door een bepaalde ondernemer worden verricht:

- geen mededinging om technische redenen

D1.3) Verklaring

Verklaar duidelijk en volledig waarom gunning van de opdracht zonder voorafgaande bekendmaking in het Publicatieblad van de Europese Unie wettig is. Geef de relevante feiten en, indien van toepassing, de rechtsbeslissingen in overeenstemming met de betreffende richtlijn:

The University of Amsterdam (Cognitive and Systems Neuroscience Group, Swammerdam Institute for Life Sciences) needs to purchase a two-photon microscope for the recently awarded Horizon Europe EIC project NAP: twiN-on-a-chip brAins for monitoring individual sleep habits. The goal of the project is to study large-scale neuronal dynamics both in vivo and in vitro. To achieve this, a large field of view two-photon microscope is necessary. This adds additional constraints to the required specifications, to make it feasible to properly record activity in arbitrary cortical areas and at the same time ensure that the sample can be properly positioned in the experimental setup.

In order to achieve the project's objectives, the following minimal specifications need to be met:

- Large field of view (at least 40 mm diagonal square at the intermediate image plane).

The microscope should come equipped with a 10X air objective and a 16X water dipping objective

- 8 kHz resonant-galvo-galvo scanning system with the following specifications:

- o Wavelength range: 800-1050 nm

- o Scan speed of 30 fps at 512x512 pixels
- o Continuously variable scan zoom (1-16X)
- o 14 deg collection angle with two collection angles
- Two high-sensitivity GaAsP PMTs with green and red filter sets
- Ability to move and rotate the microscope to focus on specific portions of the sample being imaged. Rotating the entire microscope around the point of focus ensures that a change in focus requires movement of the microscope in only the Z Axis. With a rotating nosepiece a complex multi-axis move is required to change the point of focus. Importantly, the sample cannot be moved. The following detailed specifications are required:
 - o Motorized X and Y travel of at least 5 cm (0.5 mu encoder resolution)
 - o Motorized Z travel at least 12 cm (coarse Z, 1mu encoder resolution) and at least 2.5 cm (fine, 0.1 mu encoder resolution)
 - o Rotation of the entire scan path at least -45 to +45 degrees around objective focus (0.1deg encoder resolution). Maintains optimal collection efficiency when rotated. Collection efficiency is compromised by systems that only rotate the nosepiece.
 - o Free space under the objective: up to 45 cm distance to table surface (minus length of objective), throat depth of 25 cm.
 - o Piezo objective scanner with a travel range of 600um (1m resolution)
- 920 nm fixed wavelength femtosecond laser, with dispersion compensation and a pulse width of max 110 fs, capable of delivering at least 800 mW to the scanner
- Widefield epifluorescence lightpath for GFP imaging, including LED, filters and SCMOS camera
- 2 m x 1 m anti-vibration optic table
- Software to acquire data and synchronize acquisition to external stimuli

Based on this list of specifications, it appears that only Thorlabs Inc. is able to provide a suitable two-photon microscope. Specifically, this will be a Bergamo II series microscope specially customized to meet the project's needs. This microscope is not currently provided as an off-the-shelf system, but Thorlabs is able to develop a new system specially designed for the NAP project.