Award

# Patchliner automated ePhys patch-clamping system

Cardiff University

F15: Voluntary ex ante transparency notice
Notice identifier: 2021/S 000-001515
Procurement identifier (OCID): ocds-h6vhtk-028d41
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## Section I: Contracting authority/entity

### I.1) Name and addresses

Cardiff University

Procurement Services, McKenzie House, 30-36 Newport Road

Cardiff

CF24 0DE

**Email**

franklinsp@cf.ac.uk

**Telephone**

+44 2920879648

**Country**

United Kingdom

**NUTS code**

UKL - WALES

**Internet address(es)**

Main address

http://www.cardiff.ac.uk/business/why-work-with-us/for-suppliers

Buyer's address

https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0258

## 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

Patchliner automated ePhys patch-clamping system

Reference number

CU.529.SF

### II.1.2) Main CPV code

- 33110000 - Imaging equipment for medical, dental and veterinary use

### II.1.3) Type of contract

Supplies

### II.1.4) Short description

Patchliner automated ePhys patch-clamping system for characterisation of cell surface and intracellular ion channels

### II.1.6) Information about lots

This contract is divided into lots: No

### II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: 244,100 EUR

## II.2) Description

### II.2.2) Additional CPV code(s)

- 33110000 - Imaging equipment for medical, dental and veterinary use

### II.2.3) Place of performance

NUTS codes

- UKL22 - Cardiff and Vale of Glamorgan

### II.2.4) Description of the procurement

Patchliner automated ePhys patch-clamping system for characterisation of cell surface and intracellular ion channels

### II.2.5) Award criteria

Price

### II.2.11) Information about options

Options: No

### II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

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# Section IV. Procedure

## IV.1) Description

### IV.1.1) Type of procedure

Negotiated without a prior call for competition

- The works, supplies or services can be provided only by a particular economic operator for the following reason:

  - absence of competition for technical reasons

Explanation:

The Patchliner is a fully automated planar patch-clamping system with unparalleled versatility, compared to rival automated systems, and ease-of-use compared to conventional patch-clamping, which requires several months specialist training. This ease-of-use is the key attribute, as high quality electrophysiology data can be generated after just one training session, making the equipment realistically multi-user and allowing PhD or undergraduate students to perform otherwise complex ion channel electrophysiological recordings. The equipment will allow basic research into ion channel function, such as ion permeability, voltage dependency, and the effects of ligands and modulators on these, and ion channel directed drug discovery, by researchers who are not expert electrophysiologists. Planar patch-clamping systems utilise borosilicate glass chips with a micron size aperture, embedded in a microfluidic chamber, to take the place of pipettes in a conventional patch-clamping set up. Negative pressure attracts cells to the aperture, where a reliable seal is formed automatically with the cell, allowing recording of ion flux. We will use this equipment for 1) ion channel targeted drug discovery, 2) characterisation of differentiated stem cell models (e.g. neurons, cardiomyocytes), 3) phenotypic characterisation of ion channels, 4) characterisation of pore-forming toxin ion permeability, 5) ion flux in plant cells and 6) the impact of biomaterials and artificial amino acids on ion channel function.

Justification for Patchliner: The Patchliner is the only automated patch-clamping system capable of performing both medium throughput whole cell recordings, and recording from isolated organelles and giant unilamellar vesicles. This is vital for our research as we need to record from intracellular ion channels, as well as conduct medium throughput drug development programmes and characterise differented stem cell models. No other automated patch-clamping system can do this.

**IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

## Section V. Award of contract/concession

### Contract No

CU.359.SF

A contract/lot is awarded: Yes

## V.2) Award of contract/concession

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

25 January 2021

### V.2.2) Information about tenders

The contract has been awarded to a group of economic operators: No

### V.2.3) Name and address of the contractor/concessionaire

Nanion Technologies GmbH

Ganghoferstr. 70A

Muenchen

80339

Telephone

+49 892190950

Fax

+49 89218997960

Country

Germany

NUTS code

- DE212 - München, Kreisfreie Stadt

The contractor/concessionaire is an SME

No

### V.2.4) Information on value of contract/lot/concession (excluding VAT)

Total value of the contract/lot/concession: 244,100 EUR

## Section VI. Complementary information

### VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Sell2Wales Web Site at https://www.sell2wales.gov.wales/Search/Search_Switch.aspx?ID=107615.

(WA Ref:107615)

### VI.4) Procedures for review

#### VI.4.1) Review body

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Telephone

+44 2079477501

Country

United Kingdom