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Planning

UHB WMSDE Digital Histology Annotation - PME

University Hospitals Birmingham NHS Foundation Trust

F01: Prior information notice
Prior information only
Notice identifier: 2025/S 000-006996
Procurement identifier (OCID): ocds-h6vhtk-04e759
Published 21 February 2025, 4:27pm

Section I: Contracting authority

I.1) Name and addresses

University Hospitals Birmingham NHS Foundation Trust

Mindelsohn Way

Birmingham

B15 2WB

Contact

Andrew Gough

Email

andrew.gough2@uhb.nhs.uk

Country

United Kingdom

Region code

UKG3 - West Midlands

Internet address(es)

Main address

https://www.uhb.nhs.uk/

Buyer's address

https://www.uhb.nhs.uk/

I.3) Communication

Additional information can be obtained from the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

https://health-family.force.com/s/Welcome

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Health

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

UHB WMSDE Digital Histology Annotation - PME

Reference number

PROC.08.0812

II.1.2) Main CPV code

- 48517000 - IT software package

II.1.3) Type of contract

Supplies

II.1.4) Short description

University Hospitals Birmingham NHS Foundation Trust (UHB) is one of the largest teaching hospital Trusts in England and the West Midlands, serving a regional, national and international population. It includes Birmingham Heartlands Hospital, Birmingham Chest Clinic, Good Hope Hospital, the Queen Elizabeth Hospital Birmingham, Solihull Hospital and various Community Services. We also run a number of smaller satellite units, allowing people to be treated as close to home as possible.

As an NHS organisation, UHB will see and treat more than 2.2 million people every year across our sites UHB currently employs over 20,000 members of staff and we are committed to investing in their development and their health and wellbeing.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 72260000 - Software-related services

II.2.3) Place of performance

NUTS codes

- UKG - West Midlands (England)

Main site or place of performance

University Hospitals Birmingham NHS Foundation Trust,
Mindelsohn Way,
B15 2WB

II.2.4) Description of the procurement

This Prior Information Notice (PIN) outlines the requirements for a Digital Pathology: Histology Annotation Process to be implemented to support research taking place within the West Midlands Secure Data Environment (WMSDE) at University Hospitals Birmingham NHS Foundation Trust (UHB) located in Birmingham and Solihull, England.

Digital pathology whole slide images (WSI) represent a rich source of data that can be harnessed to develop algorithms that assist pathologists in diagnosis, providing critical information for treating a wide range of diseases. In creating these algorithms Computer scientists (CS) require WSI data to be prepared to facilitate their work. A crucial step in this preparation involves defining the pathology present within the slide and pinpointing its location so that it can be cross-referenced with the pixel data used by CS to train and test their algorithms. This process, known as semantic annotation, encompasses various levels of detail, from slide-level labels such as tissue type and disease status (positive or negative) to the identification of specific cell types and even subcellular structures, including organelles or viral inclusions. This briefing outlines requirements for effective and efficient WSI curation, to support the development of artificial intelligence (AI) based technologies. Implementation of this capability within the WMSDE with multimodal, longitudinal data from the NHS, would provide a world-class resource for AI development. Its builds on established capabilities derived from previous work on health data management including for the 100,000-genome project, the Industrial Strategy Challenge Fund, Health Data Research UK hubs as well as the current Regional SDE.

II.3) Estimated date of publication of contract notice

21 February 2025

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: No

Section VI. Complementary information

VI.3) Additional information

Suppliers wishing to participate in this market engagement exercise and express an interest in this requirement should respond to the questionnaire via the online form on the Health Family Single eCommercial System Portal (Atamis) by 14:00 on Monday 31st March 2025.

https://health-family.force.com/s/Welcome

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