

Posting Date: August 16, 2021

Closing Date: August 26, 2021 11:30 a.m. ET

Reference Number: 21-049560

To: NCI Bid Board

From: Tanika Crossen
NCI P-ARC Program Analyst
crossent@nih.gov

Subject: NCI Bid Board Posting – to procure single cell multiomic reagents

The Laboratory of Cell Biology (LCB) studies the processing, transport, and metabolism of proteins and small molecules related to malignant transformation, metastasis, and multidrug resistance in cancer. The principal investigators of the laboratory, who are experts in molecular biology, genetics, biochemistry, structural biology, cellular regulation of cell growth and metabolism, resistance to anticancer drugs, and the physics of cell-matrix interactions, work on research projects related to those topics.

LCB must acquire a single cell multiomic reagents. These items (Chromium Next GEM Single Cell 5' Kit v2 and Chromium Single Cell Mouse TCR Amplification Kit, together with the compatible Dual Index Kit TT Set A, Chromium Next GEM Chip K Single Cell Kit, and Library Construction Kit) enable the joining profiling of T cell receptor (TCR) specificity and gene expression at single cell resolution. Experiments that will be performed using these reagents will form a critical component of an ongoing study into the function of T cells in response to chronic infection and tumors.

Sole Source Justification:

The Chromium Next GEM Single Cell 5' Kit v2, together with the compatible Next GEM Chip K Single Cell Kit and Single Cell Mouse TCR Amplification Kit have no equivalent on the market. No other company sells similar reagents. The technology is proprietary can be purchased through 10x Genomics.

Attached Documents:

SF18

Statement of Work

FAR Clause 52.204-24 Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment.

FAR Clause 52.213-4 Simplified Acquisitions Terms and Conditions (AUG 2020) is applicable and available in full text upon request.

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)	THIS RFQ <input type="checkbox"/> IS <input checked="" type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE	PAGE 1 OF 1 PAGES 1
---	--	---------------------

1. REQUEST NO. 21-049560	2. DATE ISSUED 8/16/2021	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
-----------------------------	-----------------------------	-------------------------------------	--	--------

5a. ISSUED BY NCI CCR Purchasing Administrative Resource Center	6. DELIVER BY (Date)
--	----------------------

5b. FOR INFORMATION CALL (NO COLLECT CALLS)	7. DELIVERY <input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)	9. DESTINATION
---	---	----------------

NAME Tanika Crossen, Program Analyst	TELEPHONE NUMBER AREA CODE 301	NUMBER 480-0602	a. NAME OF CONSIGNEE NIH, NCI
---	--------------------------------------	--------------------	----------------------------------

8. TO: a. NAME	b. COMPANY 10X Genomics	b. STREET ADDRESS
-------------------	----------------------------	-------------------

c. STREET ADDRESS	c. CITY Bethesda
-------------------	---------------------

d.. CITY	e.. STATE MD	f.. ZIP CODE 20892	d.. STATE MD	e. ZIP CODE 20892
----------	-----------------	-----------------------	-----------------	----------------------

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date) 8/26/2021 11:30 EST	IMPORTANT: This is a request for information, and quotations furnished are not offers. If you are unable to quote, please indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.
--	---

11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
	Single cell multiomic reagents Notice of Intent: If submitting a capability statement, please e-mail only 1 copy of the technical capability statement to Tanika Crossen @ crossent.mail.nih.gov See attached statement of work This will be awarded as a Firm-Fixed Price Contract.				

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d.. CALENDAR DAYS NUMBER PERCENTAGE
---------------------------------	-------------------------	-------------------------	-------------------------	--

NOTE: Additional provisions and representations are are not attached.

13. NAME AND ADDRESS OF QUOTER	14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION	15. DATE OF QUOTATION
--------------------------------	--	-----------------------

a. NAME OF QUOTER	16. SIGNER	
-------------------	------------	--

b. STREET ADDRESS	a. NAME (Type or print)	b. TELEPHONE AREA CODE
-------------------	-------------------------	---------------------------

c. COUNTY	e. STATE	f. ZIP CODE	c. TITLE (Type or print)	NUMBER
-----------	----------	-------------	--------------------------	--------

STATEMENT OF NEED (SON)

1.0 TITLE

CD4+ TIL interactions and transcriptional circuits in the tumor micro-environment

2.0 BACKGROUND

The Laboratory of Immune Cell Biology, Center for Cancer Research, NCI, needs to buy single cell multiomic reagents from 10x genomics. These items (Chromium Next GEM Single Cell 5' Kit v2 and Chromium Single Cell Mouse TCR Amplification Kit, together with the compatible Dual Index Kit TT Set A, Chromium Next GEM Chip K Single Cell Kit, and Library Construction Kit) enable the joint profiling of T cell receptor (TCR) specificity and gene expression at single cell resolution. Experiments that will be performed using these reagents will form a critical component of an ongoing study into the function of T cells in response to chronic infection and tumors.

3.0 TYPE OF ORDER

This is a Firm Fixed-Price Purchase Order.

4.0 SPECIAL ORDER REQUIREMENTS

4.1 PRODUCT FEATURES/SALIENT CHARACTERISTICS

The requirements of this product are to afford the unique ability to profile T cell clonality and gene expression concomitantly in single cells – features which are not currently offered by other similar products on the market. In addition, these reagent are compatible with the 10X chromium controller which we have access to in our laboratory, and is more broadly used by the Single Cell Analysis Facility at NCI.

The following product features/characteristics are required for this requirement:

- Joint profiling of TCR sequences and gene expression.
- Efficient portioning of 500-10,000 nuclei per channel.
- Low doublet rate (0.9% per 1,000 nuclei).
- Capture nuclei at high efficiency (over 65%).
- Highly sensitive.
- Compatible with existing 10X instrumentation (e.g. 10X chromium controller).

4.2 DELIVERY / INSTALLATION

Items shall be delivered within 7 days of purchase order award to Jia Nie Phone: (240) 760-6878, Building 37, Room 3016, The National Institutes of Health, 9000 Rockville Pike, Bethesda, MD, 20892.

4.3 TRAINING

STATEMENT OF NEED (SON)

All users of this kit have been trained by the NCI Single Cell Analysis Facility in the principles and technicalities of single cell capture, and our laboratory has extensive experience in the use of 10X single cell genomics kits with relevant hardware/instrumentation.

5.0 PAYMENT

These items will be purchased with a one-off payment.

Payment authorization requires submission and approval of invoices to the COR and NIH OFM, in accordance with the payment provisions listed below:

The following clause is applicable to all Purchase Orders, Task or Delivery Orders, and Blanket Purchase Agreement (BPA) Calls: PROMPT PAYMENT (JUL 2013) FAR 52.232-25. Highlights of this clause and NIH implementation requirements follow:

I INVOICE REQUIREMENTS

- A. An invoice is the Contractor's bill or written request for payment under the contract for supplies delivered or services performed. A proper invoice is an "Original" which must include the items listed in subdivisions 1 through 12, below, in addition to the requirements of FAR 32.9. If the invoice does not comply with these requirements, the Contractor will be notified of the defect within 7 days after the date the designated billing office received the invoice (3 days for meat, meat food products, or fish, and 5 days for perishable agricultural commodities, dairy products, edible fats or oils) with a statement of the reasons why it is not a proper invoice. (See exceptions under II., below.) Untimely notification will be taken into account in the computation of any interest penalty owed the Contractor.
1. Vendor/Contractor: Name, Address, Point of Contact for the invoice (Name, title, telephone number, e-mail and mailing address of point of contact).
 2. Remit-to address (Name and complete mailing address to send payment).
 3. Remittance name must match exactly with name on original order/contract. If the Remittance name differs from the Legal Business Name, then both names must appear on the invoice.
 4. Invoice date.
 5. Unique invoice #s for all invoices per vendor regardless of site.
 6. NBS document number formats must be included for awards created in the NBS: Contract Number; Purchase Order Number; Task or Delivery Order Number and Source Award Number (e.g., Indefinite Delivery Contract number; General Services Administration number); or, BPA Call Number and BPA Parent Award Number.
 7. Data Universal Numbering System (DUNS) or DUNS + 4 as registered in the Central Contractor Registration (CCR).
 8. Federal Taxpayer Identification Number (TIN). In those exceptional cases where a contractor does not have a DUNS number or TIN, a Vendor Identification Number (VIN) must be referenced on the invoice. The VIN is the number that appears after the contractor's name on the face page of the award document.
 9. Identify that payment is to be made using a three-way match.
 10. Description of supplies/services that match the description on the award, by line billed.*

STATEMENT OF NEED (SON)

11. Freight or delivery charge must be billed as shown on the award. If it is included in the item price do not bill it separately. If identified in the award as a separate line item, it must be billed separately.
12. Quantity, Unit of Measure, Unit Price, Extended Price of supplies delivered or services performed, as applicable, and that match the line items specified in the award.*

* NOTE: If your invoice must differ from the line items on the award, please contact the Contracting Officer before submitting the invoice. A modification to the order or contract may be needed before the invoice can be submitted and paid.

- B. Shipping costs will be reimbursed only if authorized by the Contract/Purchase Order. If authorized, shipping costs must be itemized. Where shipping costs exceed \$100, the invoice must be supported by a bill of lading or a paid carrier's receipt.
- C. Mail an original and 1 copy of the itemized invoice to:

National Institutes of Health
Office of Financial Management, Commercial Accounts
2115 East Jefferson Street, Room 4B-432, MSC 8500
Bethesda, MD 20892-8500

For inquiries regarding payment call: (301) 496-6088

In order to facilitate the prompt payment of invoices, it is recommended that the vendor submit a photocopy of the invoice to the "Consignee" designated for the acquisition in blocks 6A – 6E of the face page of the Order/Award document.

II. INVOICE PAYMENT

- A. Except as indicated in paragraph B., below, the due date for making invoice payments by the designated payment office shall be the later of the following two events:
 1. The 30th day after the designated billing office has received a proper invoice.
 2. The 30th day after Government acceptance of supplies delivered or services performed.
- B. The due date for making invoice payments for meat and meat food products, perishable agricultural commodities, dairy products, and edible fats or oils, shall be in accordance with the Prompt Payment Act, as amended.

III. INTEREST PENALTIES

- A. An interest penalty shall be paid automatically, if payment is not made by the due date and the conditions listed below are met, if applicable.
 1. A proper invoice was received by the designated billing office.
 2. A receiving report or other Government documentation authorizing payment was processed and there was no disagreement over quantity, quality, or contractor compliance with a term or condition.

STATEMENT OF NEED (SON)

3. In the case of a final invoice for any balance of funds due the contractor for supplies delivered or services performed, the amount was not subject to further settlement actions between the Government and the Contractor.

B. Determination of interest and penalties due will be made in accordance with the provisions of the Prompt Payment Act, as amended, the Contract Disputes Act, and regulations issued by the Office of Management and Budget.

IV. PROVIDING ACCELERATED PAYMENT TO SMALL BUSINESS SUBCONTRACTORS, FAR 52.232-40 (DEC 2013)

- a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.
- b) The acceleration of payments under this clause does not provide any new rights under the prompt Payment Act.

Include the substance of this clause, include this paragraph c, in all subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial items.