

Posting Date: August 8, 2022

Closing Date: August 18, 2022, 11:30 a.m. ET

Reference Number: 22-040145

To: NCI Bid Board

From: Sharon Coles-Calloway
NCI DCEG Purchasing Agent
coless@mail.nih.gov

Subject: NCI Bid Board Posting – Tissue samples and phenotype data preparation

The National Cancer Institute Division of Cancer Epidemiology and Genetics Occupational and Environmental Epidemiology Branch (OEEB) conducts studies in the United States and abroad to identify and evaluate environmental and workplace exposures that may be associated with cancer risk. OEEB's mission is to combine epidemiology, quantitative exposure assessment, and molecular components into multi-disciplinary studies to provide insight into cancer etiology, chemical carcinogenesis, and mechanisms of action. Our main research areas include Industrial and Occupational Exposures, Environmental Exposures, and Exposure Assessment Methods.

OEEB will prepare lung tumor tissue samples to support the National Cancer Institute whole genome sequencing study. This study site will contribute tissue samples from 50 lung adenocarcinoma cases among smokers as well as their phenotype data to the analyses. This analysis shall benefit the U.S. government and the public by providing new information about the mutational signatures in lung tumors produced by substantial occupational and environmental exposures, which is an important public health concern.

The National Cancer Institute plans to purchase tissue samples and phenotype data for expanded Female Lung Cancer Consortium in Asia study among smoking adenocarcinoma lung cancer case from the National Health Research Institutes Division of Biostatistics and Bioinformatics, Taiwan. This is not a request for competitive quotation. However, if any interested party believes it can meet the attached requirements, it may submit a statement of capabilities. The capability statement must be in writing and must contain information and material in sufficient detail to allow NCI to determine if the party can fully meet this requirement. The capability statement must be received in the contracting office by 11:30 AM on August 18, 2022, ET. A determination by the Government not to compete this requirement based upon responses to this notice is solely within the discretion of the Government. Information received will be considered solely for the purpose of determining whether to conduct a competitive procurement.

Sole Source Justification:

The National Health Research Institutes (NHRI) is established by the government with its organization charter created by an Act of Congress in Taiwan to conduct health research.

Scientists at the NHRI have carried out and published molecular epidemiology studies and have a well-conducted case-control study of lung cancer in Taiwan. The institute is well-qualified about all aspects required for the completion of this contract and has staff and experience that are necessary to carry out the terms of this procurement. Moreover, NCI has conducted a whole-genome sequencing study from never-smoking females on tissue samples provided by the National Health Research Institutes previously (75N91019P00798). It is important to maintain scientific consistency and comparability between data collected from never-smokers under the previous contract with data and samples that will be provided by the new procurement. Tumor and phenotype data will be collected from smoking cases seen at the same hospital using the identical surgical, pathological, and data extraction methods. Further, OEEB must be able to compare environmental risk factor distributions in cases with/without particular molecular signatures to environmental risk factor distributions obtained among comparable controls, which are available from NHRI's case-control study.

Attached Documents:

SF18

Statement of Work

FAR Clause 52.213-4 Simplified Acquisitions Terms and Conditions (AUG 2019) is applicable and available in full text upon request

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

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)		THIS RFQ <input type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE OF PAGES
1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
5a. ISSUED BY			6. DELIVER BY (Date)	
5b. FOR INFORMATION CALL (NO COLLECT CALLS)			7. DELIVERY	
NAME		TELEPHONE NUMBER		<input type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)
		AREA CODE	NUMBER	9. DESTINATION
8. TO:			a. NAME OF CONSIGNEE	
a. NAME		b. COMPANY		b. STREET ADDRESS
c. STREET ADDRESS			c. CITY	
d.. CITY		e.. STATE	f.. ZIP CODE	d.. STATE e. ZIP CODE
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date)		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)

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			
b. STREET ADDRESS		16. SIGNER	
c. COUNTY		a. NAME (Type or print)	b. TELEPHONE
d. CITY		AREA CODE	
e. STATE f. ZIP CODE		c. TITLE (Type or print)	
		NUMBER	

STATEMENT OF WORK (SOW)

1.0 TITLE

Tissue samples and phenotype data preparation for expanded Female Lung Cancer Consortium in Asia study among smoking adenocarcinoma lung cancer cases in Taiwan (CAS:10829)

2.0 BACKGROUND

Lung cancer is a significant global health burden that accounted for 1.69 million deaths worldwide in 2015. Further, lung cancer is the leading cause of cancer death among both men and women in the United States (SEER 2018), accounting for nearly 25% of all cancer deaths. Although active tobacco smoking is the most common cause of lung cancer, an estimated 10–25% of all patients diagnosed with lung cancer worldwide are never smokers, with higher proportions in women and Asians. Furthermore, the proportion of lung cancer in never versus ever smokers is increasing despite decreases in the number of adult smokers in the United States. Lung cancer among never smokers, particularly lung adenocarcinoma, is one of the most common causes of cancer mortality in the United States. Given that lung cancer in smokers is highly preventable through educational, lifestyle, and legislative interventions, and targeted strategies for lung cancer screening have focused on smokers, developing a more comprehensive understanding of the basis of nonsmoking lung cancer is critical for developing rational strategies for screening, prevention, and treatment of this underappreciated health burden.

NCI previously conducted a genome wide association study (GWAS) that has uncovered genomic regions associated with genetic susceptibility that might be unique to East Asian female never smokers. NCI established the Female Lung Cancer Consortium in Asia (FLCCA) to facilitate this effort and worked with other GWAS in Japan and China. NCI identified 10 lung cancer susceptibility loci, including those on chromosomes 3q28, 5p15.33, 6p21.1, 6p21.32, 6q22.2, 9p21.3, 10q25.2 and 12q13.13. Although this study has shed light on the genetic underpinnings of lung cancer etiology, the susceptibility loci that were identified do not fully account for the genetic heritability of this malignancy. Many common and moderately uncommon susceptibility loci that contribute to lung cancer among never smokers remain unidentified, primarily due to the limited sample size of existing GWAS of lung cancer. To investigate further, NCI is expanding previous GWAS by scanning an additional 10,000 cases and 3,000 controls from centers across East Asia, as well as obtaining GWAS data on 7,200 controls from other OEEB and extramural studies that were scanned using the same genotyping array. As part of its studies of the etiology of lung cancer among never-smokers, the NCI is also conducting a whole-genome sequencing study of lung adenocarcinoma tumors from never-smoking and smoking lung cancer cases in Asia to identify exposure-related mutational signatures to compare and extend the findings in lung tumorigenesis among never-smokers. Results from whole-genome sequencing will be compared with signatures identified in never-smoking cases we are analyzing in Taiwan and from China, Asia, and the West, and with smoking cases in the West.

2.1 OBJECTIVE

The primary objective of this procurement is to prepare tumor tissue samples to support the NCI whole genome sequencing study in an effort to identify and expanding the findings of exposure-related mutational signatures in lung tumorigenesis.

STATEMENT OF WORK (SOW)

3.0 SCOPE

The purpose of this procurement is to prepare lung tumor tissue samples to support the NCI whole genome sequencing study. This study site will contribute tissue samples from 50 lung adenocarcinoma cases among smokers as well as their phenotype data to the analyses.

4.0 PURCHASE ORDER REQUIREMENTS / TASKS

The contractor shall perform the following tasks of preparation for lung tumor tissues from 50 smoking histologically confirmed lung adenocarcinoma cases:

- 4.1 Cut fresh-frozen tumor tissue samples with at least 50% tumor from each lung tumor and store it in 1.8ml sterile cryovials from 50 cases stored in the hospital biorepository based on a protocol to be provided by NCI.
- 4.2 Cut fresh-frozen normal lung tissue from each lung cancer case stored in the hospital biorepository and store it in 1.8ml sterile cryovials from 50 cases based on a protocol to be provided by NCI.
- 4.3 Fill out a study subject log in Excel file format and extract data from the hospital database that will include date of diagnosis, type of procedure used, and demographic information based on a protocol to be provided by NCI and transmit to NCI.
- 4.4 Ship prepared tissue samples to the NCI.

5.0 TYPE OF ORDER

This is a firm fixed price purchase order.

6.0 NON-SEVERABLE SERVICES

The services specified in each contract line item (CLIN) have been determined to be non-severable services - a specific undertaking or entire job with a defined end product of value to the Government.

7.0 PERIOD OF PERFORMANCE

The anticipated period of performance shall be between September 15, 2022 and September 14, 2023.

8.0 PLACE OF PERFORMANCE

All work shall be performed at the Contractor's facility.

9.0 REPORT(S)/DELIVERABLES AND DELIVERY SCHEDULE

All electronic deliverables shall be submitted for review and comment by the Government's technical point of contact (TPOC) (*TBD at award*), for a review period not to exceed fifteen (15) business days, in accordance with the following deliverables table below:

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DELIVERABLE	DELIVERABLE DESCRIPTION / FORMAT REQUIREMENTS	DUE DATE
#1 (Task 4.1-4.2)	List of masked IDs of the selected 50 cases with sex, smoking status, diagnosis of lung cancer subtype, and material type in MS Excel format.	(45) business days prior to purchase order expiration date.
#2 (Task 4.3)	Phenotype dataset with subject masked IDs shall be submitted as MS Excel file.	(15) business days prior to purchase order expiration date.
#3 (Task 4.4)	Ship lung tissues samples to NCI.	(15) business days prior to purchase order expiration date.

9.0 INSPECTION AND ACCEPTANCE CRITERIA

Pursuant to FAR clause 52.212-4, all work described in the SOW to be delivered under this purchase order is subject to final inspection and acceptance by an authorized representative of the Government. The authorized representative of the Government is the NCI TPOC, who is responsible for inspection and acceptance of all services, materials, or supplies to be provided by the Contractor.

Regardless of format, all digital content or communications materials produced as a deliverable under this contract, shall conform to applicable Section 508 Standards to allow Federal employees and members of the public with disabilities to have access to and use of information and data that is comparable to the access to and use of information and data by Federal employees or by members of the public who are not individuals with disabilities. Remediation of any materials that do not comply with the applicable Section 508 requirements as set forth below, shall be the responsibility of the Contractor.

HHS guidance regarding accessibility of documents can be found at <https://www.hhs.gov/web/section-508/making-files-accessible/create-accessible-pdfs/index.html>.

Federal government-wide guidance regarding accessibility of documents can be found at <https://www.section508.gov/>, including the documents describing the preferred method of authoring and testing documents produced in Microsoft Word 2013 or later, Microsoft Excel, and files formatted as PDF.

10.0 PAYMENT

Payment shall be made upon receipt and acceptance from Technical Point of Contact of the deliverables. Payment authorization requires submission and approval of invoices to the TPOC and NIH OFM, in accordance with the attached payment provisions listed below:

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The following clause is applicable to all Purchase Orders, Task or Delivery Orders, and Blanket Purchase Agreement (BPA) Orders/Calls: **Prompt Payment (Jan 2017) 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 shall 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. 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 contractor 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 System for Award Management (SAM).
 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.*
 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.

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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. The Contractor shall submit invoice to the [National Institutes of Health \(NIH\)/Office of Financial Management](#) (OFM) via email at invoicing@nih.gov with a copy to the approving official, as directed below. The Contractor must follow step-by-step instructions as stated in the NIH/OFM [Electronic Invoicing Instructions for NIH Contractors/Vendors](#), which is included as an attachment on the website at <https://oamp.od.nih.gov/DGS/DGS-workform-information/attachment-files>. The invoice shall be transmitted as an attachment via email to the address listed above in one of the following formats: Word, or Adobe Portable Document Format (PDF). The Contractor must submit only **one** invoice per email. Do not submit supporting documentation (e.g., receipts, time sheets, vendor invoices, etc.) with your invoice unless specified elsewhere in the contract or requested by the Contracting Officer.

The Contractor shall submit a copy of the electronic invoice to the following Technical Point of Contact:

Technical Point of Contact

Name- TBD at award Email Address- TBD at award

For inquiries regarding the status of invoices, contact [OFM Customer Service](#) via email at ofm_customer_service@incontactemail.com or via phone at 301-496-6088. To send your inquiries via other available communication methods refer to the OFM Customer Service website at <https://ofm.od.nih.gov/Pages/Customer-Service.aspx>.

Note: The OFM Customer Service is open Eastern Standard Time Monday – Friday from 8:30 a.m. to 5:00 p.m. and is closed between 12:00 p.m. to 1:00 p.m.

Please see Attachment 1 – Electronic Invoicing Instructions for more information.

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

STATEMENT OF WORK (SOW)

processed and there was no disagreement over quantity, quality, or contractor compliance with a term or condition.

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 (December 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.
- c. 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.

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

As prescribed in 4.2105(a), insert the following provision:

REPRESENTATION REGARDING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (AUG 2019)

(a) Definitions. As used in this provision—

Covered telecommunications equipment or services, Critical technology, and Substantial or essential component have the meanings provided in clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) Prohibition. Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Contractors are not prohibited from providing—

- (1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or
- (2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) Representation. The Offeror represents that—

It [] will, [] will not provide covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation.

(d) Disclosures. If the Offeror has responded affirmatively to the representation in paragraph (c) of this provision, the Offeror shall provide the following information as part of the offer—

- (1) All covered telecommunications equipment and services offered (include brand; model number, such as original equipment manufacturer (OEM) number, manufacturer part number, or wholesaler number; and item description, as applicable);
- (2) Explanation of the proposed use of covered telecommunications equipment and services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b) of this provision;
- (3) For services, the entity providing the covered telecommunications services (include entity name, unique entity identifier, and Commercial and Government Entity (CAGE) code, if known); and
- (4) For equipment, the entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the OEM or a distributor, if known).

(End of provision)