Subject: NCI Bid Board Posting – Immunoproteomic profiling of antibodies against *Helicobacter pylori* and Epstein-Barr virus in gastric cancer and premalignant lesions

The National Cancer Institute (NCI), Division of Cancer Epidemiology and Genetics (DCEG), Infections and Immunoepidemiology Branch (IIB) conduct multidisciplinary studies of carefully selected domestic and foreign populations, with the goal of clarifying the relationship of infectious agents, especially viruses, to human cancer and other conditions. IIB’s research mission is to discover infectious causes of cancer, to elucidate the determinants of malignancy for established oncogenic infections, to uncover novel infection-cancer associations, and to clarify how alterations in immunity and inflammation relate to cancer risk. IIB investigators collaborate with researchers from a variety of disciplines in the U.S. and abroad. In addition to epidemiologic and clinical data, many IIB field studies include an extensive biological specimen collection component that allows for careful molecular testing to better define both exposures and outcomes of interest.

The primary objective of the study is to identify anti-*H. pylori* and anti-EBV antibody profiles that characterizes EBV-positive and EBV-negative gastric tumors and premalignant lesions. Currently, the Contractor shall perform 35 NAPPA and 1500 confirmatory ELISA assays on 135 blood samples.

The National Cancer Institute plans to purchase a Immunoproteomic profiling of antibodies against *Helicobacter pylori* and Epstein-Barr virus in gastric cancer and premalignant lesions from Arizona State University – Biodesign Institute, Tempe, AZ. 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 is the party can fully meet this requirement. The capability statement must be received in the contracting office by 11:30 AM on July 4, 2020 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 professional services from Arizona State University (ASU) are needed for this project in order to generate comparable results to those obtained from previous testing on gastric cancer blood samples. The NCI sees this as a sole source acquisition since a previous award (HHSN261201800436P) was performed to this institution and further testing is required.

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 RFQ X IS IS NOT A SMALL BUSINESS SET-ASIDE

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 NIH/NCI-CCR P-ARC

5b. FOR INFORMATION CALL (NO COLLECT CALLS)

NAME

TELEPHONE NUMBER

AREA CODE NUMBER

Sharon Coles-Calloway, Purchasing Agent 301 480-7183

6. DELIVER BY (Date)

12 months from receipt of order

7. DELIVERY

X FOB DESTINATION

OTHER (See Schedule)

8. TO:

a. NAME

b. COMPANY

b. STREET ADDRESS

c. STREET ADDRESS

d. CITY

e. STATE f. ZIP CODE

c. CITY
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 domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.

7/4/2020 11:30 ET

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

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Immunoproteomic profiling of antibodies against Helicobacter pylori and Epstein-Barr virus in gastric cancer and premalignant lesions</td>
<td>$___________</td>
<td>$_____________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notice of Intent: If submitting a capability statement, please e-mail only 1 copy of the technical capability statement to Sharon Coles-Calloway at coless@mail.nih.gov

See attached statement of need.

This will be awarded as a Firm-Fixed Price Contract.

12. DISCOUNT FOR PROMPT PAYMENT

<table>
<thead>
<tr>
<th>(%)</th>
<th>CALENDAR DAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 10</td>
<td>CALENDAR DAYS</td>
</tr>
<tr>
<td>b. 20</td>
<td>CALENDAR DAYS</td>
</tr>
<tr>
<td>c. 30</td>
<td>CALENDAR DAYS</td>
</tr>
<tr>
<td>d.</td>
<td>CALENDAR DAYS</td>
</tr>
</tbody>
</table>

NOTE: Additional provisions and representations are not attached.

13. NAME AND ADDRESS OF QUOTER

14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION

15. DATE OF QUOTATION

16. SIGNER

a. NAME (Type or print)

b. TELEPHONE

a. NAME (Type or print)

c. TITLE (Type or print)

d. CITY
e. STATE f. ZIP CODE

NSN 7540-01-152-8084
Previous edition not usable

18-121 STANDARD FORM 18 (REV. 6/95)
Prescribed by GSA-FAR (48 CFR) 53.215-1(a)
STATEMENT OF WORK (SOW)

1.0 TITLE

Immunoproteomic profiling of antibodies against *Helicobacter pylori* and Epstein-Barr virus in gastric cancer and premalignant lesions

2.0 BACKGROUND

Chronic *Helicobacter pylori* infection is the strongest known risk factor for gastric cancer. Serologic profiles of *H. pylori* provide information on the host response to the infection. Current knowledge of *H. pylori* seroepidemiology has mostly depended upon studies based on antibodies to whole cell or cytotoxin-associated gene A (CagA) antigens. However, even CagA, the most well-characterized virulence factor, is considered to have limited utility in predicting gastric cancer. Previous studies targeting a limited number (<20) of bacterial antigens have identified antibodies to Omp and HP0305 as predictors of gastric cancer with modest associations.

The Epstein-Barr virus (EBV) is also implicated in gastric carcinogenesis, as about 10% of gastric tumors contain viral nucleic acids and exhibit demographic and clinicopathologic differences from EBV-negative tumors. Humoral profiles of *H. pylori* and EBV may reveal infectious, environmental and/or host factors underlying the roles of these pathogens in gastric carcinogenesis.

A novel protein microarray technology, called Nucleic Acid-Programmable Protein Array (NAPPA), is a type of cell-free protein array technology which enables more rapid and comprehensive analysis of antigens by performing in vitro synthesis of the target proteins from their DNA templates replacing the conventional complex protein purification process.

2.1 OBJECTIVE

The primary objective of the study is to identify anti-*H. pylori* and anti-EBV antibody profiles that characterizes EBV-positive and EBV-negative gastric tumors and premalignant lesions.

3.0 SCOPE

The Contractor shall perform 35 NAPPA and 1500 confirmatory ELISA assays on 135 blood samples.

4.0 CONTRACT REQUIREMENTS/ AND PERSONNEL QUALIFICATIONS

The Contractor shall perform 35 NAPPA and 1500 confirmatory ELISA assays on 135 blood samples. Test results shall be submitted in an Excel-compatible file.

The contractor needs to be proficient in NAPPA and ELISA assays as demonstrated by reputation in the field, scientific reports or other evidence of appropriate knowledge and capacity.

5.0 TYPE OF ORDER

This is a firm fixed price purchase order.

6.0 PERIOD OF PERFORMANCE
STATEMENT OF WORK (SOW)

One year from the date of award.

7.0 PLACE OF PERFORMANCE

Arizona State University (ASU), Tempe, AZ

8.0 REPORT(S)/DELIVERABLES AND DELIVERY SCHEDULE

All deliverables shall be provided in accordance with the following deliverables schedule:

<table>
<thead>
<tr>
<th>DELIVERABLE</th>
<th>DELIVERABLE DESCRIPTION / FORMAT REQUIREMENTS</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task 1</td>
<td>Electronic data file with NAPPA and ELISA test results for submitted samples</td>
<td>10 months after the award</td>
</tr>
</tbody>
</table>

9.0 PAYMENT

Payment shall be made in full upon receipt of the deliverable. Payment authorization requires submission and approval of invoices to the COR and NIH OFM, in accordance with the attached 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:

1 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.
STATEMENT OF WORK (SOW)

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.*
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
STATEMENT OF WORK (SOW)

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.
   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.
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)