

Posting Date: April 15, 2021

Closing Date: April 25, 2021 11:30 a.m. ET

Reference Number: 21-029739

To: NCI Bid Board

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Subject: NCI Bid Board Posting – Micro-dose Calibrator Assembly Components

The goal of the Molecular Imaging Branch (MIB) is to develop targeted imaging methods that accelerate the development of cancer therapies. The MIB is focused on the development and translation of in vivo molecular imaging agents for early detection, monitoring and therapy. Given the high risks and high costs of conducting research in this field, the MIB is well positioned to address the challenges that the field of molecular imaging faces. The Molecular Imaging Clinic conducts early phase trials of molecular imaging agents. MIB investigate diagnostic imaging agents that employ nuclear, optical or magnetic resonance reporters in human subjects.

The National Cancer Institute plans to purchase Micro-dose Calibrator Assembly Components: (2) 4 Channel 4 kV/3 mA (4 W) Desktop HV Power Supply (USB/Ethernet) – Negative, (1) 8 Ch. 14 bit 250 MS/s Digitizer: 640kS/ch, CE30, SE, (1) Digital Pulse Processing for Pulse Shape Discrimination (8ch x 725), (1) USB 3.0 to CONET Adapter, (1) Optical Fibre 5 m.duplex (Rohs compliant) from CAEN Technologies. 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 April 25, 2021 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 purpose of this purchase is to acquire the electronic components necessary to build a micro-dose calibrator, and instrument designed by Dr. Adler. Dr. Adler, being the inventor, has also written all the software required to operate the electronics. This inhouse software development required 6 months of development time. Because of the extensive development effort to write the software, which includes complicated inter operation of the high voltage and digitizer sampling devices, specifically the firmware control which affects the performance of the instrument, replacing the electronics with similar electronics from a different vendor would require extensive re-writing of the software. This will be the second micro-dose calibrator built by Dr. Adler and the components need to be interchangeable with the original micro-dose calibrator for compatibility and interchangeability reasons.

#### Attached Documents:

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Statement of Work

FAR Clause 52.213-4 Simplified Acquisitions Terms and Conditions (JAN 2014) is applicable and available in full text upon request