



SOLE SOURCE CERTIFICATE AND POSTING NOTICE

A sole source procurement is when you make a request to purchase product(s) and/or service(s) without competition when competition is otherwise required. This means that product/service is unique and that the supplier is the only supplier that can provide the product or service. In accordance with the authority granted under applicable Florida law and UCF Regulation 7.130, the following documentation is submitted in support of this request.

The purchase requisition can be entered into UCF Financials at any point during the process set forth herein; however, doing so does not ensure approval of the sole source.

The completed sole source must be approved in the following order. **Please be sure to obtain all required signatures before submitting the form to Procurement Services.**

- PI/Researcher/Director/Chair
- President/Vice President/Dean
- Procurement Specialist
- Procurement Services Associate Director
- Assistant Vice President for Tax, Payables & Procurement, who will review and provide a recommendation to approve or disapprove the sole source to:
- Chief Financial Officer, who will either directly approve or disapprove the sole source, or forward it to the Provost and Executive Vice President for goods/services related to academia for input prior to making the final decision.

Contingent upon the approval of all the officers/individuals listed, the sole source shall be posted on the UCF Procurement Services website for seventy-two (72) business hours. Upon expiration of said posting period, Procurement Services will process a purchase order upon receipt of the requisition.

Once the completed sole source is received, Procurement Services reviews the documentation provided and determines whether the sole source is valid or if there are additional suppliers that may be able to provide the requested product or service. The sole source review and approval process varies based on the nature of the product/service being requested and the information provided in the requestor's justification, among other factors, so please keep this in mind when submitting the form.

The usual bidding process shall be conducted if sole source approval is not granted.

PART I: DEPARTMENT AND SUPPLIER INFORMATION

Department Name: IEMS

Contact & Phone: Iolanda Guseman

Purchase Request No.: _____

Product/Service Cost: \$107,340.50

Company Name: NIRx Medical Technologies, LLC

Email: sales@nirx.net

Contact Person: Angelo Herrera

Title: Technical Consultant

Product and/or Service: Equipment for neuroergonomics research and education

Telephone: 516-757-4932

Facsimile: NA

Address: 15 Cherry Lane

City: Glen Head

State and Zip: NY 11545

PART II: SOLE SOURCE JUSTIFICATION (see pages 4-5)

Only justifications submitted on this form and in the below format will be reviewed for approval. All of the below listed points MUST be fully answered on the following pages and any additional attached pages as needed. Failure to submit justification as outlined in the format below will result in the form being returned without review.

1. Describe the product(s) and/or service(s) and anticipated use thereof in layman's language.
2. State in detail why only this and no other product(s)/service(s) will satisfy the department's requirements.
3. State why the product(s) and/or service(s) are available from only one source and how that determination was made. Explain the research conducted to support this claim.
4. Provide an explanation to support the belief that the price is fair and reasonable.

PART III: SOLE SOURCE CERTIFICATIONS

- A. In my professional opinion, this is the only product or service that can reasonably meet my requirement(s)/specification(s), and this is the only supplier who can provide the product or service. I further certify that the information contained herein is true and correct to the best of my knowledge and belief and would withstand any audit or supplier protest.
- B. I, the undersigned, certify that I and/or the user do not have a financial interest in the above named supplier or contractor, and that I am unaware of any conflict of interest related to this purchase.

Digitally signed by Dr. Waldemar Karwowski
DN: cn=Dr. Waldemar Karwowski, o=UCF,
ou=IEMS, email=wkaw@ucf.edu, c=US
Date: 2022.05.27 13:22:43 -04'00'

Dr. Waldemar Karwowski

5/27/2022

Signature

Printed Name and Title (PI/Researcher/Director/Chair)

Date

I, the undersigned, hereby concur with the above justification and authorize the acquisition of the above product(s) and/or service(s) on a sole source basis.

Digitally signed by
michaelg
Date: 2022.05.31 06:21:32
-04'00'

Dr. Michael Georgiopoulos

5/27/2022

Signature

Printed Name and Title (President/Vice President/Dean)
(Delegations not allowed; emails from absent approvers are acceptable)

Date

I, the undersigned, hereby concur with the above justification and support a sole source approval for the above product(s) and/or service(s).

See email approval attached

5/27/2022

Signature

Printed Name and Title (Procurement Specialist)

Date

I, the undersigned, hereby concur with the above justification and support the acquisition of the above product(s) and/or service(s) on a sole source basis.

See email approval attached

Signature

**Printed Name and Title
(Procurement Services Associate Director)**

Date

I, the undersigned, hereby concur with the above justification and authorize the acquisition of the above product(s) and/or service(s) on a sole source basis.

See email approval attached

Signature

**Printed Name and Title
(Asst. Vice President for Tax, Payables & Procurement)**

Date

I, the undersigned, hereby concur with the above justification and authorize the acquisition of the above product(s) and/or service(s) on a sole source basis.

See email approval attached

Signature

Printed Name and Title (Chief Financial Officer)

Date

POSTING NOTICE

6/28/2022 4:00pm

Date/Time Posted

7/1/2022 4:00pm

Posting End Date

2231

UCF Control No.

Trinh Nguyen

Procurement Specialist

SOLE SOURCE JUSTIFICATION

Please answer the questions below and attach additional documentation if needed.

1. Describe the product(s) and/or service(s) and anticipated use thereof in layman's language.

The NIRSport2 fNIRS system measures relative changes in blood oxygenation using light - both visible (red) and invisible (infrared) - as a means of inferring brain activity from the outermost part of the cortex. The non-invasive measurement uses low-intensity light: it is the same light emitted from the sun, only a small portion thereof and at a much lower intensity. The NIRSport does not require the use of gel nor a specialized environment, such as a "scanning room" or "electrical noise free room". The NIRSport2 is manufactured and distributed by NIRx Medical Technologies (New York, USA & Berlin, Germany). The NIRSport2 is a portable/mobile fNIRS system (i.e., it can be worn and carried by the subject during measurements without the need for wall power). It has been used in numerous peer-reviewed publications related to hemodynamic response measurements of relative changes in oxy- and deoxy-hemoglobin. NIRx fNIRS systems have also been used in concurrent and side-by-side fMRI/fNIRS and EEG/fNIRS studies for validation that the systems function as expected. Many fNIRS systems use Lasers (generally class II or class III) which pose a much greater safety threat.

2. State in detail why only this and no other product(s)/service(s) will satisfy the department's requirements.

The NIRSport2 has three operations modes for collecting data: USB to computer connection, WiFi, and direct-to-system flash memory recording; each recording mode is necessary for particular applications and instances. For example, WiFi mode is convenient, though the connection may invariably be broken when the system and recording computer are too far from one another inadvertently; the direct-to-system recording therefore is desirable as a backup for WiFi recording. Furthermore, should the system be used in a mobile application within a sensitive environment which does not allow WiFi recording but wireless measurements are still desired, such as within the ICU of a hospital that prefers not to have wireless devices, direct-to-system recording would be ideal. That said, the USB recording mode is ideal for maximizing the rate of data transfer for customized real-time analysis applications, which require high-bandwidth of undisturbed data transfer; WiFi can not handle the equivalent bandwidth capability of USB output, and, as already established, may be interrupted inadvertently, halting the real-time analysis and experiment. The NIRSport2 is the only fNIRS system to offer all three data collection modes: USB, WiFi and direct-to-system flash memory recording, each of which are desirable in particular instances. Only the NIRSport and Shimadzu LIGHTNIRS systems offer up to 16 sources and 16 detectors for portable fNIRS systems, and this is in tandem configuration for LIGHTNIRS, not in a single system like the NIRSport2. Furthermore, only the NIRSport2 offers up to 64 sources and 64 detectors. No other portable system offers the option to use dual-tipped-low-profile or blunt tipped probes. No other portable system offers the option to use spring-loaded or MRI-compatible (low-profile) grommets. Only the NIRSport and Shimadzu LIGHTNIRS system offer both portability as well as the option to measure from anywhere on the head (not just the forehead). However, the LIGHTNIRS system is much larger and heavier than the NIRSport: LIGHTNIRS: 3000g, 25.4cm x 19cm x 5cm, Note: this is a single system, 8-source/8-detector configuration, NIRSport2: 900g, 16.2cm x 12.5cm x 6cm, Note: this is a single system, 16-source/16-detector configuration. The NIRSport2 is the only portable fNIRS system to offer a tight-fitting overcap to ensure that probes stay in place and all environmental light is blocked. Only the NIRSport2 and LIGHTNIRS allow multi-subject measurements with a portable system.

SOLE SOURCE JUSTIFICATION

3. State why the product(s) and/or service(s) are available from only one source and how that determination was made. Explain the research conducted to support this claim.

The NIRSport2's software is one of the most straight-forward platforms available. It is incredibly easy to measure any part of a subject's head, from one experiment to the next, and easily set the automated detector gain sensitivity in a matter of seconds. The latter is critical to achieve the proper signal level for every detector with every source it identifies. With this system, one can have unique gains for every source-detector combination.

No other portable fNIRS system has unique gain settings for every source-detector combination, and most systems do not offer automated gain settings. Other systems only have single gain settings for each detector. The color-coded data-quality indicator (green, yellow, red, white) of the NIRSport2 ensures that probes have been properly setup. Most other fNIRS systems do not use a streamlined quality control mechanism like this that includes not only gain settings, but also signal strength, signal-to-noise ratio, and environmental noise impact to determine overall signal quality. No other portable fNIRS system has the easy-to-use signal quality indicator, which uses a variety of key signal quality metrics to quickly identify signal quality. The built-in system diagnostics, calibration module within the acquisition software, along with the included calibration phantom hardware, ensures confidence in fNIRS hardware performance during every measurement. No other portable fNIRS system offers the option to individually measure probe performance source-by-source and detector-by-detector with built-in system diagnostics and a static calibration phantom. Purchase of the NIRSport2 system would perfectly support our research needs.

NIRx is the only fNIRS manufacturer of portable fNIRS systems to have been founded by a researcher working in fNIRS for over 30 years, and that internally has over 200 fNIRS neuroimaging publications done by researchers working within the company. This experience is critical for helping end-users publish.

4. Provide an explanation to support the belief that the price is fair and reasonable.

Both Satori and Turbo Satori software are proprietary to NIRx systems. No other companies have such software. Prices are standard but the department received an academic discount and other additional discounts that make the total price fair and reasonable.



Official Quotation

Date: 2022-05-27

Contact: Professor Waldemar Karwowski

Quote #: 20220527Q AH3

Organization: University of Central Florida

Days Valid: 60

Contact Phone: 502 821-6608

Valid Until: 2022-07-26

Contact email: wk@ucf.edu

Shipment: 90 days

Country: United States

Payment: NET 30

Currency: USD

System: NIRSport 2

Distribution: NIRx Medical Technologies, LLC

Sources: 8

15 Cherry Lane

Detectors: 16

Glen Head, NY USA 11545

Notes Includes WINGS extension for physiological measures, Satori analysis software AND Turbo Satori Software

+1 (612) 605-6033

Additional discount for collaborating with NIRx users and being new NIRx user.

sales@nirx.net

CAP SIZES: 54, 56, 58, 60 (accommodate adult population)

Please email orders, tender invitations and tax certificate (if applicable) to sales@nirx.net

Part #	Description	Qty.	Unit MSRP	Item Discount	Total Price^
NSP2-CORE0816	NIRSport2 8-16 Core System Unit. 8x illuminators (sources) and 16x detectors Includes: - NIRsport2 Chassis (each with: 2x source driver/outputs, 2x detector) - Static calibration phantom - NIRScap starter set (e.g., cable stabilizing accessories, cap prep/cleaning consumables, etc.) - NIRSport2 cable sets (trigger, data, power, cascading) - Cedrus C-Pod for USB to parallel TTL triggers - Aurora fNIRS recording software - mobility pack for wearable and ambulatory recordings - System carrying case - NIRSport2 documentation and manuals	1	\$ 72,500.00	20.0%	\$ 58,000.00
SR2-POD-LED-DLT	8-source active source bundle for fiberless optical illumination with dual tip for NIRSport2. Includes 1x replacement LED., 1x cable tree organizer (TREE-STD).	1	\$ 5,000.00	20.0%	\$ 4,000.00
DT2-POD-DLT	Bundle of 8x silicon photodiode (SiPD) active sensors for fiberless optical detection with NIRSport2; dual tip. Includes 1x cable tree organizer (TREE-STD).	2	\$ 6,250.00	20.0%	\$ 10,000.00
CP-KIT-816-C	Complete Cap Kit 8x16, Oval cut caps: Four Adult head caps size 54, 56, 58, and 60cm head circumference, shower cap, holders, tops, links, cable trees and accessories for 24 optodes.	1	\$ 2,500.00	0.0%	\$ 2,500.00



Official Quotation

Date: 2022-05-27

Contact: Professor Waldemar Karwowski

Quote #: 20220527Q AH3

Organization: University of Central Florida

DET-SHRT-SET	<p>Bundle set of 8x short-channel detectors with specialized ring grommets that fit to spring-loaded and low-profile grommets. Splits a single detector into 8 short channels that may be placed anywhere on a single NIRScap. One bundle suggested per NIRScap. Includes interface for standard, blunt and dual tipped probes to work with NIRx NIRScout or NIRSport; please specify if other interfaces would be required.</p> <p>Includes:</p> <ul style="list-style-type: none"> - Short distance detector coupler - Soft silicone-shoes 'booties' - Rubber retain rings 	1	\$ 3,000.00	0.0%	\$ 3,000.00
NP2-ACC	<p>NIRSport2 9-axis motion sensor extension: enables 1x motion sensor probe, attached to NIRSport2 detector bundle (must be installed in detector bundle), may be placed anywhere on head or body.</p>	1	\$ 2,500.00	20.0%	\$ 2,000.00
SOF-SAT	<p>Satori GUI based fNIRS analysis software. Exclusive for use with NIRx-brand fNIRS systems. Includes: HbO/HbR calculation, general linear model (GLM) calculation (displaying Betas, t-tests, correlations), event-related averages, artifact identification & removal/correction, power spectral density plots, signal quality indicator. 2 additional years of free upgrades and comprehensive support.</p>	1	\$ 12,000.00	16.0%	\$ 10,080.00
NIRxWINGS-SYS	<p>NIRxWINGS System: Add-on physiological sensors to stream measures such as heart rate, GSR, body temperature, SpO2 as well as ECG and EMG.</p>	1	\$ 15,000.00	20.0%	\$ 12,000.00
SOF-TRB	<p>Turbo Satori real-time extension for NIRStar and Aurora fNIRS recording software, optimized for brain-computer interface (BCI) and neurofeedback applications. Exclusive for use with NIRx-brand fNIRS systems. Includes: HbO/HbR calculation, built-in neurofeedback options, general linear model (GLM) calculation (displaying Betas, t-tests, correlations), event-related averages, artifact identification & removal/correction, power spectral density plots, signal quality indicator. Requires Windows 7, 8 or 10; at least 4GB memory, i5 processor.</p>	1	\$ 5,500.00	0.0%	\$ 5,500.00



Official Quotation

Date: 2022-05-27

Contact: Professor Waldemar Karwowski

Quote #: 20220527Q AH3

Organization: University of Central Florida

WAR-EXT-4	Extended warranty: extends warranty from 3 years to 4 years for system and core components. Must be purchased with system or after evaluation of system by NIRx while system is still under warranty. Cost is 7% of system cost, including source and detector electronics.	1	\$ 4,060.00	0.0%	\$ 4,060.00
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INST-TRN-R	5-hour online remote installation and training for fNIRS acquisition, experimental design, and basic analysis overview. Software covered: NIRStar or Aurora; NIRSite.	1	\$ 650.00	0.0%	\$ 650.00
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Subtotal without discount \$ 135,210.00

Discount \$ 23,420.00

Discount % 17.32%

System Subtotal \$ 111,790.00

Additional discount % 5.00%

Additional discount \$ 5,589.50

Subtotal after additional discount \$ 106,200.50

Total discount \$ 29,009.50

Total discount % 21.46%

Shipping & Insurance \$ 1,140.00

Total purchase price^ \$ 107,340.50

Please inquire with your procurement department for applicable taxes

TBD



Official Quotation

Date: 2022-05-27

Contact: Professor Waldemar Karwowski

Quote #: 20220527Q AH3

Organization: University of Central Florida

^Price does not include applicable taxes for the purchase. Please provide any tax exemption certificates with your purchase order. Applicable taxes may be VAT, GST or HST (Canada), or other taxes which may be relevant to your purchase. NIRx will not cover relevant taxes related to this purchase within the quoted price. NIRx can, by written request, do its best to estimate relevant taxes and include them in the quoted price.

Additional Information and Disclaimer

Any purchase order generated from this quote must explicitly refer to the quote number listed above unless otherwise approved by the vendor. This document contains proprietary information that is considered confidential and privileged. Any unauthorized review, disclosure, copying, transmission, dissemination or any other use of this information whatsoever by persons or entities other than the intended recipient is strictly prohibited.

Support for systems, hardware, and software

Standard Support: Assistance with safe and basic system use and maintenance for life of NIRx system. Includes basic upgrades to software.

Extended Support: Advanced assistance with multi-modal integration and fNIRS data analysis for 18 months. Includes advanced upgrades to software. Support

Communication: Telecom-based support (phone/email/video conference/remote access), response within 2 business days.

Product Warranty: 3 years on all system base units and core hardware; 1 year on NIRScaps (1-year warranty) and probes; 30-day return on consumables.

Note: neither standard nor extended support includes analysis training or literature searches.

All in-person installations must be coordinated with NIRx at least 30 days prior to scheduling visits.

System Setups, Safe Use, and Maintenance

CONTACT: The individual for whom NIRx originally generated a quotation

ACCOUNT: The business, organization, or individual that the CONTACT works for, or represents, that will be receiving and paying for the goods and services purchased.

In order to ensure safe and compliant product usage and to keep product warranties valid, NIRx requires that any hardware changes to the system receive written approval from a NIRx technical expert. Even if outside of the warranty period, NIRx requires that any changes to a hardware setup receive written approval from a NIRx technical expert before proceeding with hardware setup changes. NIRx explicitly prohibits any modification, tinkering, tampering, or other changes to the internal electronics and mechanics of its systems by any ACCOUNT, CONTACT, or any party working on behalf of, or in association with, said ACCOUNT or CONTACT, unless a CONFIRMATION in regard to the specific changes is made in advance. In some instances, an error in hardware setup may void a product warranty (e.g. improper power supply connection, incorrect gel used that damages hardware, etc.), make a system non-compliant with product regulations, or even potentially endanger the end-users and/or subjects in contact with the system. Because of this, NIRx must stress the necessity for the ACCOUNT to ensure that initial and ongoing system and hardware setups are safely compatible and pass any necessary regulations for use.

Pricing Confidentiality: Quotes and pricing terms are negotiated between CONTACT and NIRx and may be unique to the CONTACT. Therefore, and except as otherwise provided by law, CONTACT hereby agrees to keep the pricing arrangement confidential for a period of no less than three (3) years from the date of the receiving this quotation. CONTACT will not use or share this Confidential Information without the explicit permission of NIRx.

Shipping charges are estimates and not quotations. Final Carriage and Insurance Paid will be initially covered by the shipper, and invoiced to the recipient. Delivery duties to be paid by recipient. For all upgrades, the system must be sent to NIRx within 30 days of issuing a purchase order.

Items listed as "optional" are not included in the final sales price.

For complete NIRx terms and conditions, please go to: <http://bit.ly/2t1Y1WN>

From: [Gerald Hector](#)
To: [Joel Levenson](#)
Cc: [Brian Sargent](#); [Trinh Nguyen](#)
Subject: Re: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski - NIRx Medical Technologies
Date: Tuesday, June 28, 2022 1:41:00 PM

Joel:

I approve.

Regards,

Gerald.

From: Joel Levenson <Joel.Levenson@ucf.edu>
Sent: Wednesday, June 22, 2022 10:13 AM
To: Gerald Hector <Gerald.Hector@ucf.edu>
Cc: Brian Sargent <Brian.Sargent@ucf.edu>; Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Subject: FW: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski - NIRx Medical Technologies

Good morning Gerald,

I approve of this sole source award as well. The system requested has multiple data collection methods, is portable and has increased capacity for testing which is a need for the PI.

Once you get a chance to review, reply all and let us know if you agree or if you have further questions. Thank you,

From: Brian Sargent <Brian.Sargent@ucf.edu>
Sent: Tuesday, June 21, 2022 4:58 PM
To: Joel Levenson <Joel.Levenson@ucf.edu>
Cc: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Subject: FW: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski - NIRx Medical Technologies

Hi Joel,

I support this sole source for the reasons below. Most notably, only NIRx equipment offers automated gain settings for all detectors due to their the proprietary software.

Please approve/disapprove.

Regards,

Brian

From: Trinh Nguyen <Trinh.Nguyen@ucf.edu>

Sent: Tuesday, June 21, 2022 4:33 PM

To: Brian Sargent <Brian.Sargent@ucf.edu>

Subject: FW: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski - NIRx Medical Technologies

Hi Brian,

I have reviewed the attached sole source and with additional information provided below, I can support it with the following reasons. Can you please also review to see if you agree or not.

Vendor: NIRx Medical Technologies, LLC

Product: Equipment for Neuroergonomics research and education

Total Amount: \$107,340.50

Dept: IEMS

Requirement: The department wants to procure a neuroactivational measurement system that can measure the relative changes in blood oxygenation using both visible and infrared light as a means of extrapolating brain activity from the outermost part of the cortex.

The requirements are:

- The equipment must not require the use of gel nor a specialized environment such as a scanning room or electrical noise free room
- Equipment must be portable/mobile
- Option to measure from anywhere on the head (not just the forehead).
- Need tight-fitting over cap to ensure that probes stay in place to block all environmental light.
- Can measure multiple subjects simultaneously.
- Must offer three operation modes for data collection: USB, Wi-Fi, and direct-to-system flash memory recording.
- Software capability to set the automated gains settings for all detectors in a matter of seconds.

Research Conducted: The PI has investigated on other similar systems from the below list of suppliers, but none can offer the automated gain settings for all detectors. This is a critical feature to achieve every source-detector combination and only the equipment (NIRSport2 fNIRS) from NIRx Medical Technologies can provide with their proprietary software Satori and Turbo Satori. In addition, The NIRSport2 is the only portable system to offer a tight-fitting over cap to ensure that probes stay in place and all environmental light is blocked.

- Shimadzu - www.ssi.shimadzu.com
- TechEn - www.techen.com
- Hitachi - www.hitachi.com

Price is fair and reasonable: It was noted that both Satori and Turbo Satori software are proprietary to NIRx systems. No other companies have such a unique software with the capability to set the automated gains settings. Prices are standard but the department received an academic discount and other additional discounts that make the total price fair and reasonable.

Thanks,
Trinh

From: lolanda Guseman <lolanda.Guseman@ucf.edu>
Sent: Tuesday, June 21, 2022 11:30 AM
To: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Cc: Waldemar Karwowski <wkar@ucf.edu>
Subject: RE: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski

Hi Trinh,

The statement in the Sole Source is correct.
Shimadzu also provides the LIGHTNIRS system that measures from anywhere on the head. However, Shimadzu LIGHTNIRS system is much larger and heavier than the NIRSport.
The NIRSport2 is the only portable fNIRS system to offer a tight-fitting overcap to ensure that probes stay in place and all environmental light is blocked.
Only the NIRSport2 and LIGHTNIRS allow multi-subject measurements with a portable system, but the NIRSport2 can measure up to 4 subjects simultaneously, whereas the LIGHTNIRS only allows up to 2 subjects. Furthermore, only the NIRSport2 offers up to 64 sources and 64 detectors. No other portable fNIRS system has unique gain settings for every source-detector combination, and most systems do not offer automated gain settings. Other systems only have single gain settings for each detector.

The NIRSport2 system would perfectly support our research needs.

I hope this helps.

Thank you,
lolanda

From: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Sent: Tuesday, June 21, 2022 10:19 AM
To: lolanda Guseman <lolanda.Guseman@ucf.edu>
Cc: Waldemar Karwowski <wkar@ucf.edu>
Subject: RE: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski

Hi Dr. Karwowski,

You mentioned below that you selected the equipment from NIRx Medical Technologies based on

their software, training, and warranty but in your Sole Source write-up you mentioned that the NIRSport2 fNIRS is the only one that offer the automated gain settings for every source-detector combination and that this is a critical feature to have. Is this a requirement that only the NIRSport2 fNIRS can provide that none of the suppliers below can't?

- Shimadzu - www.ssi.shimadzu.com
- TechEn - www.techen.com
- Hitachi - www.hitachi.com

Thanks,
Trinh

From: Iolanda Guseman <Iolanda.Guseman@ucf.edu>
Sent: Thursday, June 16, 2022 4:25 PM
To: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Cc: Waldemar Karwowski <wk@ucf.edu>
Subject: RE: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski

Good Afternoon Trinh,

Sorry for the delayed reply. It has been busy.

That is correct. The PI has investigated other systems and they are listed below:

- Shimadzu - www.ssi.shimadzu.com
- TechEn - www.techen.com
- Hitachi - www.hitachi.com

After reviewing them all, the PI chose the NIRx Medical Technologies, LLC for the following criteria and its unique software.

- Satori and Turbo Satori Software owned only by NIRx Medical Technologies, LLC
- Support and Training unique to the Satori Software
- Four years warranty vs. one year warranty

Main unique features:

- Caps accessories source power is much higher and provides a better signal quality
- Mobile whole head imaging probe that is unique to the NIRx Medical Technologies, LLC
- Incorporated motion sensor on the caps that allows to monitor the movement of the whole head
- Short channels bundle special prompt set to measure no brain activation data. It can clean data from other motion activities.
- NIRx Medical Technologies' system removes the motion factor and physiological brain from the data that is collected showing only brain activities.
- Another unique system to NIRx Medical Technologies is the "Wings", physiological sensors

If you need any other information, please feel free to reach out to us.

Thank you so much,
Iolanda

From: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Sent: Monday, June 13, 2022 9:32 AM
To: lolanda Guseman <lolanda.Guseman@ucf.edu>
Cc: Waldemar Karwowski <wkar@ucf.edu>
Subject: RE: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski

Good morning lolanda,

I'm reviewing the SS and it mentioned that the PI have investigated other systems. What are the other systems that was researched on? Please provide list of the suppliers and products that were researched on and what requirements or criteria can they not satisfy that only the one from MIRx Medical Technologies can provide?

Thanks,
Trinh

From: lolanda Guseman <lolanda.Guseman@ucf.edu>
Sent: Wednesday, June 8, 2022 2:37 PM
To: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Cc: Brian Sargent <Brian.Sargent@ucf.edu>; Waldemar Karwowski <wkar@ucf.edu>
Subject: FW: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski
Importance: High

Good Afternoon Trinh,

I just wanted to follow up with our sole source certificate request.

Please, advise.
Thanks,
lolanda

From: lolanda Guseman <lolanda.Guseman@ucf.edu>
Sent: Tuesday, May 31, 2022 8:53 AM
To: Trinh Nguyen <Trinh.Nguyen@ucf.edu>
Cc: Brian Sargent <Brian.Sargent@ucf.edu>; Waldemar Karwowski <wkar@ucf.edu>; lolanda Guseman <lolanda.Guseman@ucf.edu>
Subject: Sole-Source-Certificate-and-Posting-Notice_Dr. Karwowski
Importance: High

Good Morning Trinh,

I hope all is well. Per our conversation on Friday, I have cc'd Brian to our sole source certificate request. Please, see attached file for your review and approvals.

Thanks,
lolanda

Lolanda Guseman

Accounting Specialist II
College of Engineering and Computer Science

ENG 2 – Suite 312K
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