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Kraków, 19.05.2023 r.

Refers to proceedings conducted in the mode of the procurement based on art. 11 para 5 point 1 of the Act of September 19, 2019 – Public Procurement Law (Journal of Laws of 2022, item 1710 as amended) and the Act of 23 April 1964 – Civil Code (Journal of Laws of 2022 item 1360 as amended) The subject of which is selecting Contractor for delivery, assembly and commissioning of a unit for photoacoustic imaging of small laboratory animals along with training under the project "Pancreatic cancer oxygenation as a prognostic marker in anticancer therapy".

QUESTIONS AND ANSWERS TO THE INVITATION

The Purchaser presents below the questions and answers provided in the proceedings.

Question 1:

Regarding this tender for Jagiellonian University, we are highly interested and have a competitive product to offer, the TriTom photoacoustic and fluorescence tomography system. However, photoacoustic tomography systems can achieve similar or better image quality and ease-of-use while following different design philosophies. Our TriTom system is comparable if not better to the specifications listed in the tender, but certain “minimum” requirements cannot be met due to the difference in design. Would you be open to widening the competition and allowing us to submit our bid? In particular, we have questions/concerns about the following specifications:

1.1 Prędkość obrazowania min 50 klatek na sekundę

We are unsure to what this would be referring to. Further on, the specifications request a laser pulse repetition/excitation rate of 10Hz, which would also require the imaging speed to match at 10 frames per second. Our system actually uses a 20Hz laser, and therefore performs acquisitions at 20 frames per second. In addition, the TriTom also includes fluorescence (optical) imaging at up to 40 frames per second (raw camera framerate).

1.2 Czułość dla ICG 50nM dla nanocząstek złota 15fM

It is not clear here what the context is for this level of sensitivity. The TriTom has been tested down to 100 nM ICG, in blood plasma after molecular unmixing, for a CNR of 1.7. We would expect no difficulty detecting 50 nM ICG or 15 fM gold nanoparticles in an idealized phantom with no background signal.

1.3 Częstotliwość ośrodka 5MHz

Our system uses a broadband 6MHz center frequency detection array which provides an excellent balance of depth penetration, spatial resolution, and wideband frequency detection for imaging. In fact, the array detection frequency range does extend to include 5MHz.

1.4 Ilość detektorów 256, Ilość kanałów do jednoczesnej akwizycji 256 max 512

The TriTom uses 96 simultaneous acquisition channels and detectors, but scans the imaging volume in a spherical manner, providing improved, isotropic spatial resolution with fewer

artifacts than alternatives such as scanning a 256-channel array cylindrically.

Answer 1:

The Purchaser inform that:

- 1.1 it does not allow acquisition at 20 frames per second because it needs tests with very fast pharmacokinetics. The parameters for measuring fluorescence are not subject to the proceeding;
- 1.2 ensuring sensitivity for ICG 50nM of 15fM gold nanoparticles is necessary for testing very low concentrations of nanogold;
- 1.3 allows a frequency of 6MHz medium;
- 1.4 does not allow the number of detectors below 200. To obtain the resolution and sensitivity of the apparatus, at least 200 detectors are necessary, otherwise there is a risk of obtaining data burdened with an algorithm error.

Question 2:

In all other specifications, we either meet or exceed the minimum requirements, and would appreciate your consideration towards opening up this tender to more competition.

If you are agreeable to the above, we had some logistical questions as well:

- 2.1 As a smaller company, a six-week lead time from purchasing to install is likely not possible due to parts' supplier lead times. While we understand the eagerness to begin a new project, would you be open to a more flexible schedule for delivering and installing the system?
- 2.2 We would prefer to respond in English to this tender. What is the preferred way to do so? We can submit a translated version of the document or insert English sections into the original Polish document, for example.
- 2.3 Should there be changes needed in the "model contract/ WZÓR UMOWY", do these need to be specified ahead of time, or would this be handled after the tender decision has been made?

Answer 2:

The Purchaser inform that:

- 2.1 extends the term of the contract to 8 weeks from the award of the contract, i.e. conclusion of the Agreement;
- 2.2 in accordance with the provisions of Chapter 6 point 4 of the Invitation to Tender, the Purchaser shall accept a bid written in Polish or in English;
- 2.3 the model agreement constituting Annex 2 to the Invitation is not negotiable after the outcome of the proceedings. The contractor may explain the content of the model contract before the deadline for submission of tenders.

The Purchaser informs that the above questions and answers to the content of the Invitation constitute its integral part and at the same time, due to their scope and nature as well as the date of introduction, they affect the need to extend the deadline for submitting tenders. The Purchaser informs that the dates for submission and opening of tenders are subject to change.

New date for submission and opening of tender to 26.05.2023 at h 12:00 noon.

In connection with the change of the deadline for submitting tenders, the Purchaser informs that the Contractor will be bound by its offer until 24.06.2023 inclusive.

Joanna Piecuch