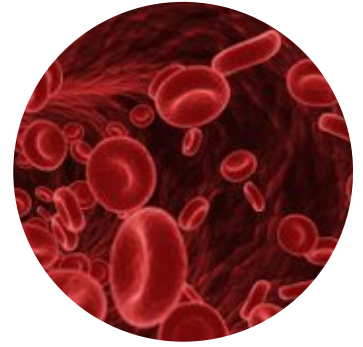


Seeking Technologies for Sensing Analytes in Blood

A leading company in the cardiac surgery space is seeking technologies for **sensing analytes in blood**. Specifically, our client is interested in technologies to measure and monitor a range of analytes in blood flowing through an **extracorporeal circulation system** in a hospital environment.



Approaches of Interest:

- Technologies to detect and monitor **oxygen partial pressure** (pO_2), **carbon dioxide partial pressure** (pCO_2), **metabolites** (e.g. glucose, lactate), **ions** (e.g. pH, K^+ , Na^{2+} , HCO_3^-), **disease biomarkers**, and **coagulation related parameters**. Measurement of pO_2 , pCO_2 , pH, K^+ and lactate are of highest priority
- Sensors that detect multiple parameters will be prioritized
- **All types of sensor technology** are of interest (e.g. electrochemical, enzymatic, etc.)
- Measurement accuracy for the sensors should meet CLIA guidelines
- Technologies from other industries (e.g. agriculture, environment) that can be sterilized and applied to blood are also of interest

Out of Scope:

- Sensors for measuring blood flow and blood pressure
- Sensors for analytes in sweat or interstitial fluid
- Transcutaneous and other non-liquid sensors

Developmental Stages of Interest:

- Opportunities from TRL 4 onwards are of interest
- Opportunities from TRL 5 onwards with documented validation are of highest priority





Submission Information

Submission of one-page, 200–300-word briefs is encouraged, along with any optional supplementary information e.g. relevant publications. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include continued supply, licensing assets, and research collaborations.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies
-  Biotech assets

Submissions

Please submit relevant, non-confidential opportunities online [here](#)

Deadline: **21st October 2024 - 10:59 pm GMT**

Have any questions?

Contact our team at discover@in-part.co.uk