

Heart4Oxygen

SENSOR TECHNOLOGY FOR MONITORING MYOCARDIAL OXYGENATION

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Annually approximately 200 000 patients suffer from low cardiac output syndrome as a complication of heart surgery. Our goal is to enable more optimal myocardial protection for cardiac operations. Currently we are developing novel sensor technology for monitoring myocardial oxygenation to achieve safer heart surgery.



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Kalle's research interests lie in tissue optics and spectroscopy. He has done his doctoral research in the area of functional near-infrared spectroscopy of neonatal brain.

SPARK VALUE

We expect SPARK to offer us a supportive networking and coaching platform that will help us to achieve our goals