



**Job title:** Promovendus m/v 1.0 fte

**Company:** Clinical Trial Center Maastricht BV

The main goal of CTCM is to professionally facilitate research involving human subjects. Being one of the leading Academic Research Organizations (ARO's) in the Netherlands, we strive to gain valuable results in academic research, together with our partners. Our extensive services cover all aspects of supporting this kind of research. They meet all the highest quality standards and guidelines.

Our team consists of highly educated and motivated specialists, who deliver high quality service. In case your corporation, organization or investigators need support or assistance in conducting (mono / multi center) research, we are your designated partner. Additionally, CTCM is a key player in research involving human subjects (within the MUMC+), as well as other parties.

We are looking for a PhD student

*PhD student with a background in health sciences, (medical) biology, or biomedical engineering to investigate the benefits or disadvantages of implementing Extracorporeal Life Support (ECLS) as a rescue therapy.*

It will be a temporary employment, (36) hours a week for 3 years. You will be detached from CTCM to the department Cardiothoracic Surgery.

### **Description**

Through progressive developments made in the field of perfusion technology, supporting a failing organ with Extracorporeal Life Support (ECLS) has been increasingly considered an important management practice around the world. The application and considerations of ECLS as a rescue therapy has far-reaching effect on the outcome be it organ support (heart and/or lungs) or its recovery. In a nutshell, the functionality of extracorporeal technology is akin to a native organ of the patient. In order to identify the benefits or disadvantages of implementing an advanced support system, one needs to revisit the considerations and duly apply ECLS in various pathological states. Therefore, this three-year PhD research project will focus on the areas where ECLS is currently applied in the adult patient population taking into account the potential factors that can influence prospective implementation of ECLS as a standard care of practice.

The PhD student will work within the department of Extracorporeal Circulation, MUMC+ which is part of the department of Cardiothoracic Surgery. The group consists of 8 experienced perfusionist, 2 perfusionists in training and 2 PhD students.

### **What we asking**

We are looking for a completed MSc in medicine or biomedical sciences or comparable field with interest in medical technology research, strong in communication, management and organizational skills, knowledge and skills regarding data analysis and biostatistics, excellent communication skills in Dutch and English language. You are enthusiastic, ambitious, motivated and proactive and have great affinity with both basic and translational research.

**Conditions of employment**

Salary is according cao UMC and, OIO scale and is depending on skills and experience plus additional vacation bonus (8% per year) and end of year payments (8.3% per year).

The employment is temporary, 3 years.

**Information**

Additional information about this vacancy can be obtained from Dr. P. Weerwind, tel: +31-43-3876543, [p.weerwind@maastrichtuniversity.nl](mailto:p.weerwind@maastrichtuniversity.nl). for more information about the working conditions you can ask R. Baur, [renske.baur@mumc.nl](mailto:renske.baur@mumc.nl) telefoonnummer 043 –387 2046.

**Application**

The job application can be sent to e-mailaddress: [hrm.ctcm@mumc.nl](mailto:hrm.ctcm@mumc.nl).

**Acquisition for this vacancy is not appreciated.**