

## **PhD Position in lung development after pulmotoxic therapy (100% Employment)**

### **The project**

The aim is to understand how cancer therapy and hematopoietic stem cell transplantation (HSCT) impacts upon subsequent lung development. With the use of novel lung function tests and state of the art imaging methods, we want to investigate mechanisms of pulmotoxic therapy. To address these research questions, a prospective multi-center study including five University hospitals in Switzerland has been set-up in Switzerland by Jakob Usemann.

To support our team, we are inviting applications for a PhD student (3 years 100%).

### **Your responsibilities**

•As part of your PhD, you will assemble patients with an oncologic treatment or planned for HSCT

You will

- recruit selected patients for the study and will learn how to perform different lung function tests
- cooperate with a multi-professional team that includes international researchers
- help to establish a database, assist with data entry and collaborate with other centers and disciplines
- analyze and publish the data, present them at the hospital, national and international scientific meetings

### **Your profile and skills**

- Master's degree in Medicine or a Master's degree in a health-related field
- Ideally, some experience in research
- High level of self-organizational skills
- Communicative and interactive personality with a strong interest in clinical research
- Good English and German (written and spoken)

### **We offer**

- The PhD position is secured for three years, with salary according to the Swiss National Science foundation
- Interactive research community including different disciplines within the hospital and collaboration with other experts
- A systematic curriculum to gain profound statistical knowledge in epidemiology
- A variety of additional courses e.g. on academic writing or presentation skills
- Research community with other PhD students to exchange knowledge and socialize

### **Start of employment**

The earliest employment start is 1<sup>st</sup> of October 2022, but can be mutually agreed. Latest start date would be August 2023. Please submit your application as soon as possible, not after the 1<sup>st</sup> of November 2022. Interviews with the candidates are planned individually.

### **Place of work**

Main location is the University Children's Hospital Zurich, Pediatric Pulmonology, Steinwiesstrasse 75, 8032 Zürich. The collaborating centers will be visited at times, option for part-time home office.

### **Supervisor**

PD. Dr. Jakob Usemann, MD PhD

### **Contact**

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