

Master Thesis Project (2 Students): Cardiovascular Effects of Alternating Anesthesia Protocols

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Are you interested in applied anesthesia in preclinical research and eager to work in a scientific setting? Then we have the project that may just be right for you, as we are looking for two students to join us at the contract research organization (CRO), Minerva Imaging.

Project description

Minerva Imaging focuses on the use of advanced models and in vivo molecular imaging for translational research and drug development. We specialize in magnetic resonance (MR) imaging of large animals, as this is an essential tool in cardiovascular research. During anesthesia and positioning in a MR scanner, physiological compensatory mechanisms alter blood pressure, heart rate and body temperature. In this project, we aim to investigate and compare the physiological effects of different anesthetic drugs to fine tune the anesthesia to fit the purpose.

The student(s) will get a profound understanding of anesthesia and its cardiovascular effects, anesthetic monitoring and recovery, data collection, analysis, and interpretation. The student(s) will also gain valuable insights into preclinical research settings, develop practical problem-solving skills and improve their communication and collaboration skills while gaining hands-on experience bridging academic learnings and industry practices.

The MI scholar program

As a master student, you will be part of our internal Minerva Imaging Scholar Program. The program is designed to support Minerva Imaging's continued development as a scientifically driven CRO and focuses on developing novel tools and procedures that expand the capabilities in our focus areas.

The project is open as a 6-month master's project with start date February 2027. You will be assigned to an internal senior scientist that will supervise you. Ideally, we are looking for two candidates who are interested in working together. You do not need to have a KU supervisor in place, as Minerva Imaging will match you with an appropriate KU supervisor.

Your profile

The ideal candidate(s) has a bachelor's degree in veterinary medicine and is motivated to take ownership of the project, bringing a positive and proactive attitude. Further, motivation to do in vivo work in an explorative environment is essential.

Minerva offers:

We care about our employees' well-being and offer a quality conscious lunch scheme and monthly social activities.

We are an informal organization with a strong focus on open and honest communication. We value humour and a natural care for one another.

Application:

If you are interested in the project and want to learn more, please reach out to Philip Graasbøl Juul Pedersen, email: php@minervaimaging.com.

Please submit your application via our website. The application must include a short, motivated cover letter and a CV. Applications are evaluated continuously, and candidates may be chosen before application deadline.

Deadline: 1st November 2026

About Minerva Imaging:

Minerva Imaging is a scientifically driven and fully integrated Contract Research Organization (CRO) and Contract Development and Manufacturing Organization (CDMO) specializing in targeted radionuclide therapies.

We support translational research and drug development through the use of advanced preclinical animal models within oncology and cardiovascular diseases, combined with state-of-the-art in vivo molecular imaging. By working in close partnership with our sponsors, we seek to understand their scientific challenges and jointly identify how our expertise, technologies, and methods can deliver robust and meaningful answers.

Our modern facility in Ølstykke, Denmark offers best-in-class, fully integrated radiopharmaceutical research, development, and manufacturing capabilities—covering the entire value chain from early research to clinical supply.

Backed by Nordic Capital since 2026, Minerva Imaging is executing an ambitious growth strategy aimed at strengthening our position as a market leader within targeted radionuclide therapies. This growth journey offers exciting opportunities for individuals who want to contribute to cutting-edge science in a dynamic and international environment.

Minerva Imaging is an equal opportunity employer, and we welcome applications from qualified candidates regardless of background or experience. In accordance with our recruitment policy, all candidates are required to provide a personal criminal record as part of the hiring process.

Follow us on [LinkedIn](#) for the latest news updates or visit www.minervaimaging.com for more information.