

PhD student in bioinformatics/biomedical data analysis at the CTH (Mainz) and CARIM (Maastricht)

More information on TICARDIO, an international, interdisciplinary doctoral program with research locations in Mainz, Maastricht, Marseille and Dortmund at www.TICARDIO.eu

Your tasks:

- Investigating new mechanisms and early signals of thrombosis linked to altered coagulation and inflammation within project 14 “Multifaceted data analysis of coagulant activity in arterial/venous thrombo-inflammation”
- Multi-dimensional and pathway-integrating analysis of multifaceted data (Proteomics, Genomics, Phenotypic/Clinical, Functional laboratory) from large population-based cohort studies and available bio-databases
- Development of basic skills in high-throughput coagulation activity testing in a laboratory environment
- Participation in the TICARDIO joint degree program (continuing education courses, congresses)
- Presentation of the data at national and international congresses and publication of the data
- Preparation of a doctoral thesis in English

Your profile:

- Master degree in Bioinformatics, Systems Biology, Epidemiology, Biochemistry or a related area
- Strong interests in human biomedicine (cardiovascular diseases) and multi-dimensional data analysis
- Programming experience in R, python, or similar programming languages
- Sound statistical knowledge and experience in handling bioinformatics databases and tools
- Basic experience in conducting wet-lab experiments is a plus
- **Important:** You must have spent at least 24 months outside of Germany in the last 36 months before your recruitment with us.
- Teamwork, creativity, initiative and self-motivation, conscientious and structured way of working
- Very good knowledge of spoken and written English

We offer:

- 36 months of employment contract with social security coverage, start date in autumn 2019
- Involvement in an interdisciplinary, international consortium with intensive contacts to the non-academic sector
- Varied work with training in a wide range of methods
- Excellent development, continuing education and training opportunities
- Joint PhD degree from the Universities in Mainz and Maastricht



Please visit www.TICARDIO.eu for information on how to apply

Deadline for application: May 31, 2019