



VASCage is a research centre with a focus on vascular ageing and stroke. With a strong team of international experts, we develop innovative intervention strategies for early prevention, diagnosis, therapy, and rehabilitation.

Our project „Somatic Mutations and Inflammation in Atherosclerosis and Stroke“ and the offered position are located at the Laboratory for Tumorbiology and Angiogenesis at the Department of Hematology and Oncology at the Medical University of Innsbruck. Clonal Hematopoiesis of indeterminate potential (CHIP) is a recently discovered risk factor for the development of stroke, which attenuates systemic inflammatory processes mediated by evolutionary conserved innate immune mechanisms. The project aims to

- (1) identify CHIP mutation carriers in a large stroke cohort with a long-term follow-up,
- (2) perform a comprehensive work-up of patient samples to elucidate systemic inflammation signatures
- (3) understand the mechanisms how CHIP influences innate immune pathways
- (4) identify new targets for future anti-inflammatory treatments in stroke patients

Responsibilities/Tasks:

- prospective collection of patient samples in a clinical setting
- building a biobank and clinical database
- high sensitivity cytokine measurements
- multiparameter Flowcytometry
- RNAseq and gene expression
- cooperation with international partners in Germany and Italy

Requirements:

- Master's degree in a relevant subject (medicine, biology, molecular biology, biotechnology)
- Laboratory experience
- Scientific writing skills

What you can expect:

- Exciting projects, challenges, and a variety of activities in the job
- Flexible working hours
- Salary according to the Austrian Science Fund FWF guidelines
- Teamwork in a highly motivated, interdisciplinary team

Please **address your application** (motivation letter, CV including publications as well as presentations, letters of recommendation and relevant certificates) to Manuela Bock-Bartl (manuela.bock-bartl@vascage.at).