



MEDIZINISCHE
UNIVERSITÄT
INNSBRUCK

**PhD position in FWF-funded project HOROS on
"Epidemiological and genetic evidence for an influence of
apolipoprotein and complement protein concentrations
and genetics on viral and bacterial infections"
under supervision of F. Kronenberg and R. Würzner**

Project EPI/GEN-LIPO/COMP

Apolipoproteins & complement in infections
(Supervisors: Prof. Florian Kronenberg and Prof. Reinhard Würzner)

Lipoproteins and apolipoproteins, and also complement, are well known to be involved in the development of cardiovascular disease. Besides that, there is growing or clear evidence, respectively, on their involvement in the susceptibility to infectious diseases. Apolipoprotein(a), for example, has recently been shown to inhibit the hepatitis C virus entry through interaction with infectious particles. Our groups have long-standing experiences in lipoprotein metabolism and complement measurement and genetics, respectively. We own a large collection of cohorts including up to 50.000 subjects with a detailed characterization of lipo- and apolipoproteins such as lipoprotein(a) or apolipoprotein A-IV, complement characteristics as well as clinical outcomes. In a collaborative effort we have also access to other cohorts summing up to >500.000 individuals.

The successful PhD student should have a background in epidemiology and/or statistics and perform statistical analyses of the already available data on lipoprotein metabolism and clinical outcome data using state-of-the-art methods of data analysis including analysis of genetic data (e.g. genome-wide association analyses). However, the most important requirement is passion and endurance to explore the rich data sets we have in place. We offer a broad and stimulating environment of various disciplines since our institutes hosts a protein-chemistry lab, a molecular lab and a statistical/computation lab.

Why HOROS?

The FWF project HOROS (HOSt Response in Opportunistic infectionS) is funded as doctoral programme of excellence at the Medical University of Innsbruck. Its focus lies on education of young researchers in the field of opportunistic infections. This interdisciplinary doctoral programme is supported by a strong faculty from clinic and research. HOROS fellows will have a fully financed PhD position and many other benefits.

Benefits of the HOROS programme:

- Individual supervision and monitoring (individual thesis steering committee)
- A highly structured HOROS-specific educational programme
- Retreats and social activities
- Guaranteed salary as suggested by the [Austrian Science Fund](#) for the proposed 3-years (ca. 2.200 Gross salary/month + 13&14 month salary)
- Health insurance and social benefits
- State-of-the art facilities and resources

The position is advertised on www.horos.at. Please **apply** via this homepage until 06th June 2021.