

PhD Position

We offer a PhD position at the University's Children Hospital Zürich, Division of Hematology.

The main aim of the PhD project is to investigate the autophagy- and apoptosis-induced mechanisms underlying the pathogenesis of Immune Thrombocytopenia (ITP) in platelets and, comparatively, in megakaryocytes. ITP is an autoimmune bleeding disorder characterized by a low platelet count and a generally mild but on rare occasions life threatening bleeding tendency. The long-term goal of our research is to identify diagnostic markers and therapeutic targets for the prevention of chronicity and the treatment of ITP.

The project work will mainly be undertaken at the University's Children Hospital Zürich. It will be complemented by morphological analyses involving transmission electron microscopy and quantitative evaluations; these will be performed at Institute of Veterinary Pathology, University of Zürich.

Your responsibilities

The successful candidate will become a member of a young and dedicated team focusing on platelet research. The project will offer plenty of opportunities to network with other national and international research groups.

You will use various molecular pathology laboratory techniques (e.g., qRT-PCR, immunofluorescence, confocal microscopy, Western blotting, RNA interference, RNA sequencing, mRNA vectors) and in vitro cell culture systems.

Requirements

We are looking for a highly motivated veterinarian with a keen interest and background in veterinary pathology and hands-on experience in molecular biology techniques. Candidates with a Dr. med. vet. degree and a partially completed ECVP residency or ECVP diplomates are preferred.

The ideal candidate is fluent in English and masters the German language at least at B2 level.

We offer

We offer a cutting-edge research project investigating molecular mechanisms underlying the pathogenesis of ITP. You will be part of a young and dedicated research team with access to the up-to-date facilities at the University of Zürich.

The candidate will have the opportunity to also work with the team of veterinary pathologists at the Institute of Veterinary Pathology, University of Zürich; depending on their qualification and progress, there is the option to complete the residency towards the certifying examination of the European College of Veterinary Pathologists (ECVP).

The remuneration is in accordance with the Swiss National Science Foundation (SNSF) regulations.

This position is available from September 1st, 2022 or as established by mutual agreement.

Application

Please send your application as a single pdf document including a motivation letter, CV and reference letters by email to Dr. Francesca Franzoso, PhD, DipIECVP (Francescadaniela.franzoso@uzh.ch).