

## 1. General Information

<b>Cohort ID</b>	5005_18
<b>Title (Study Name)</b>	PERFORM (Personalised Risk assessment in Febrile illness to Optimise Real-life Management across the European Union)
<b>Principal investigator</b>	Prof. Werner Zenz, Dr. Benno Kohlmaier, Nina Schweintzger, PhD
<b>Contact information</b>	<a href="mailto:pm-biobank@medunigraz.at">pm-biobank@medunigraz.at</a>
<b>Funding agency</b>	H2020

## 2. Description

The management of febrile patients is one of the most common and important problems facing healthcare providers. We aim to improve diagnosis and management of febrile patients, by application of sophisticated phenotypic, transcriptomic (genomic, proteomic) and bioinformatic approaches to well characterised large-scale, multi-national patient cohorts already recruited with EU funding. We will identify, and validate promising new discriminators of bacterial and viral infection including transcriptomic and clinical phenotypic markers. The most accurate markers distinguishing bacterial and viral infection will be evaluated in prospective cohorts of patients reflecting the different health care settings across European countries.

## 3. Details

<b>ICD 10/O codes / Healthy</b>	Febrile illness, Any type of infection, Children and Adolescents without fever and infection (Healthy)	
<b>Key words</b>	infection, febrile illness in childhood	
<b>Collection / Cohort size</b>	In Graz 500 patients and controls will be collected at hospital admission. For patients in the Oncology Department and at the PICU a second study blood will be collected 48h after admission.	
<b>Informed Consent (IC)</b>	<input type="checkbox"/> Broad Biobank IC	
	<input checked="" type="checkbox"/> Specific Study IC	
<b>Status</b>	<input checked="" type="checkbox"/> In progress / compl. date: open	
	<input type="checkbox"/> Completed	
<b>Inclusion criteria</b>	<b>Age distribution</b>	1 - 18
	<b>Sex distribution (f:m)</b>	~ 50:50
	<b>Others</b>	Children and Adolescents (1-18 years) with fever and/or signs of infection
<b>Earliest access</b>	As of now	
<b>Quality-standards</b>	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
<b>Associated publications / references</b>	-----	

## 4. Material available (aliquot size) and storage conditions

	<input checked="" type="checkbox"/> EDTA plasma	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> EDTA whole blood	<input checked="" type="checkbox"/> -80°C

	<input checked="" type="checkbox"/> Urine	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Others (stool, liquor, PAXgene...)	<input checked="" type="checkbox"/> -80°C

<b>Dokument erstellt</b> (tt/mm/yyyy): 23/04/2021	<b>Letzte inhaltliche Aktualisierung</b> (tt/mm/yyyy): 18/02/2022
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