

	O-FIS Qualitätsmanagementsystem Formblatt Collection and Cohort Profile	CL312 Seite 1 von 2
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1. General Information

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

ICD 10/O codes / Healthy	Febrile illness, Any type of infection, Children and Adolescents without fever and infection (Healthy)	
Key words	infection, febrile illness in childhood	
Collection / Cohort size	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.	
Informed Consent (IC)	<input type="checkbox"/> Broad Biobank IC	
	<input checked="" type="checkbox"/> Specific Study IC	
Status	<input checked="" type="checkbox"/> In progress / compl. date: open	
	<input type="checkbox"/> Completed	
Inclusion criteria	Age distribution	1 - 18
	Sex distribution (f:m)	~ 50:50
	Others	Children and Adolescents (1-18 years) with fever and/or signs of infection
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<u>PERFORM consortium. Relationship between molecular pathogen detection and clinical disease in febrile children across Europe: a multicentre, prospective observational study.</u> Shah P, Voice M, Calvo-Bado L, Rivero-Calle I, Morris S, Nijman R, Broderick C, De T, Eleftheriou I, Galassini R, Khanijau A, Kolberg L, Kolnik M, Rudzate A, Sagmeister MG, Schweintzger NA, Secka F, Thakker C, van der Velden F, Vermont C, Vincek K, Agyeman PKA, Cunnington AJ, De Groot R, Emonts M, Fidler K, Kuijpers TW, Mommert-Tripon M, Bregel-	

Pesce K, Mallet F, Moll H, Paulus S, Pokorn M, Pollard A, Schlapbach LJ, Shen CF, Tsoia M, Usuf E, van der Flier M, von Both U, Yeung S, Zavadska D, Zenz W, Wright V, Carrol ED, Kaforou M, Martinon-Torres F, Fink C, Levin M, Herberg J;
<https://pubmed.ncbi.nlm.nih.gov/37554664/>

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

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