

## 1. General Information

<b>Cohort ID</b>	5017_19_Psychiatry_Hu_Blood_and_Tears
<b>Title (Study Name)</b>	Blood and Tears
<b>Principal investigator</b>	Assoz. Prof.in Priv.-Doz.in Dr.in Eva Reininghaus, MBA Priv.Doiz. DDr. Armin Birner
<b>Contact information</b>	<a href="mailto:pm-biobank@medunigraz.at">pm-biobank@medunigraz.at</a>
<b>Funding agency</b>	Future Proposals

## 2. Description

Blood Collection for future biomarker search projects combined with machine-based learning approaches helping to distinguish in between psychiatric diagnostic entities (e.g. Bipolar versus Unipolar Depression) and between disease states (e.g. manic versus euthymic).

## 3. Details

<b>ICD 10/O codes / Healthy</b>	F02, F03, F04, F05, F06	
<b>Key words</b>	blood collection, affective disorders, schizophrenic disorders, anxiety, metabolomics, genetics, machine-based learning	
<b>Collection / Cohort size</b> 06/2020	samples will be collected from 1.000 patients 1 visit per patient	
<b>Informed Consent (IC)</b>	<input checked="" type="checkbox"/> Broad Biobank IC	
	<input type="checkbox"/> Specific Study IC	
<b>Status</b>	<input checked="" type="checkbox"/> In progress => start of sample collection: June 2020	
	<input type="checkbox"/> Completed	
<b>Inclusion criteria</b>	<b>Age distribution</b>	18-80
	<b>Sex distribution (f:m)</b>	1:1
	<b>Others</b>	F2-F6
<b>Earliest access</b>	09/2020	
<b>Quality-standards</b>	<input checked="" type="checkbox"/> CEN/TS 16945-2016 (metabolomics in urine, venous blood serum and plasma)	

<b>Associated publications / references</b>	<p>Birner, A; Platzer, M; Bengesser, SA; Dalkner, N; Fellendorf, FT; Queissner, R; Pilz, R; Rauch, P; Maget, A; Hamm, C; Herzog-Eberhard, S; Mangge, H; Fuchs, D; Moll, N; Zelzer, S; Schütze, G; Schwarz, M; Reininghaus, B; Kapfhammer, HP; Reininghaus, EZ Increased breakdown of kynurenine towards its neurotoxic branch in bipolar disorder. PLoS One. 2017; 12(2):e0172699-e0172699</p> <p>Queissner, R; Pilz, R; Dalkner, N; Birner, A; Bengesser, SA; Platzer, M; Fellendorf, FT; Kainzbauer, N; Herzog-Eberhard, S; Hamm, C; Reininghaus, B; Zelzer, S; Mangge, H; Mansur, RB; McIntyre, RS; Kapfhammer, HP; Reininghaus, EZ The relationship between inflammatory state and quantity of affective episodes in bipolar disorder. Psychoneuroendocrinology. 2018; 90:61-67</p> <p>Platzer, M; Fellendorf, FT; Bengesser, SA; Birner, A; Dalkner, N; Hamm, C; Hartleb, R; Queissner, R; Pilz, R; Rieger, A; Maget, A; Mangge, H; Zelzer, S; Reininghaus, B; Kapfhammer, HP; Reininghaus, EZ Adiponectin is decreased in bipolar depression. World J Biol Psychiatry. 2018; 1-8</p> <p>Bengesser, SA; Reininghaus, EZ; Dalkner, N; Birner, A; Hohenberger, H; Queissner, R; Fellendorf, F; Platzer, M; Pilz, R; Hamm, C; Rieger, A; Kapfhammer, HP; Mangge, H; Reininghaus, B; Meier-Allard, N; Stracke, A; Fuchs, R; Holasek, S Endoplasmic reticulum stress in bipolar disorder? - BiP and CHOP gene expression and XBP1 splicing analysis in peripheral blood. Psychoneuroendocrinology. 2018; 95(9):113-119</p>
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#### 4. Material available (aliquot size) and storage conditions

<b>Material</b>	<input checked="" type="checkbox"/> Serum (580 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> EDTA plasma (580 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Buffy coat (300 µl)	<input checked="" type="checkbox"/> -80°C

Erstellt am 20.07.2020