

## 1. General Information

<b>Cohort ID</b>	5005_13
<b>Title (Study Name)</b>	Neurology Collection
<b>Principal investigator</b>	Assoz.Prof. Michael Khalil
<b>Contact information</b>	<a href="mailto:pm-biobank@medunigraz.at">pm-biobank@medunigraz.at</a>
<b>Funding agency</b>	-----

## 2. Description

Focus on neuroimmunological and neurodegenerative disorders.

Large control sample collection, including:

- Inflammatory neurological disease controls (INDCs)
- Peripheral inflammatory neurological disease controls - (PINDCs)
- Non-inflammatory neurological disease controls (NINDCs)
- Symptomatic controls (SCs)

## 3. Details

<b>ICD 10/O codes / Healthy</b>	Main ICD 10 codes include: G35-G37, G20-G26, F03, G60-G64, G44, R20.	
<b>Key words</b>	neurodegeneration, neuroinflammation, controls, lumbar puncture, cerebrospinal fluid, serum, biomarkers	
<b>Collection / Cohort size</b> 12/2023	18.747 aliquots from 1.894 patients	
<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 / compl. date: open	
	<input type="checkbox"/> Completed	
<b>Inclusion criteria</b>	<b>Age distribution</b>	18+
	<b>Sex distribution (f:m)</b>	~ 50:50
	<b>Others</b>	-----
<b>Earliest access</b>	As of now	
<b>Quality-standards</b>	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
<b>Associated publications / references</b>	<p>Selected publications:  <a href="https://pubmed.ncbi.nlm.nih.gov/33436375/">CSF SERPINA3 Levels Are Elevated in Patients With Progressive MS</a>            Fissolo, N; Matute-Blanch, C; Osman, M; Costa, C; Pinteac, R; Miró, B; Sanchez, A; Brito, V; Dujmovic, I; Voortman, M; Khalil, M; Borràs, E; Sabidó, E; Issazadeh-Navikas, S; Montalban, X; Comabella Lopez, M.</p> <p><a href="https://pubmed.ncbi.nlm.nih.gov/34572477/">Decreased Cerebrospinal Fluid Antioxidative Capacity Is Related to Disease Severity and Progression in Early Multiple Sclerosis.</a>            Voortman, MM; Damulina, A; Pirpamer, L; Pinter, D; Pichler, A; Enzinger, C; Ropele, S; Bachmaier, G; Archelos, JJ; Marsche, G; Khalil, M.</p>	

	<p><u>Kappa free light chains is a valid tool in the diagnostics of MS: A large multicenter study.</u> Leurs, CE; Twaalfhoven, H; Lissenberg-Witte, BI; van Pesch, V; Dujmovic, I; Drulovic, J; Castellazzi, M; Bellini, T; Pugliatti, M; Kuhle, J; Villar, LM; Alvarez-Cermeño, JC; Alvarez-Lafuente, R; Hegen, H; Deisenhammer, F; Walchhofer, LM; Thouvenot, E; Comabella, M; Montalban, X; Vécsei, L; Rajda, C; Galimberti, D; Scarpini, E; Altintas, A; Rejdak, K; Frederiksen, JL; Pihl-Jensen, G; Jensen, P; Khalil, M; Voortman, MM; Fazekas, F; Saiz, A; La Puma, D; Vercammen, M; Vanopdenbosch, L; Uitdehaag, B; Killestein, J; Bridel, C; Teunissen, C. <a href="https://pubmed.ncbi.nlm.nih.gov/31066634/">https://pubmed.ncbi.nlm.nih.gov/31066634/</a></p> <p><u>Contactin-1 and contactin-2 in cerebrospinal fluid as potential biomarkers for axonal domain dysfunction in multiple sclerosis.</u> Chatterjee, M; Koel-Simmelink, MJ; Verberk, IM; Killestein, J; Vrenken, H; Enzinger, C; Ropele, S; Fazekas, F; Khalil, M; Teunissen, CE. <a href="https://pubmed.ncbi.nlm.nih.gov/30627437/">https://pubmed.ncbi.nlm.nih.gov/30627437/</a></p> <p><u>Mucosal biopsy shows immunologic changes of the colon in patients with early MS.</u> Moser, AM; Spindelboeck, W; Strohmaier, H; Enzinger, C; Gattringer, T; Fuchs, S; Fazekas, F; Gorkiewicz, G; Wurm, P; Högenauer, C; Khalil, M. <a href="https://pubmed.ncbi.nlm.nih.gov/28638851/">https://pubmed.ncbi.nlm.nih.gov/28638851/</a></p> <p><u>miR-497 and 219 in blood aid meningioma classification</u> Abdelrahman A, Negróni C, Sahn F, Adams CL, Urbanic-Purkart T, Khalil M, Vergura R, Morelli C, Hanemann CO. <a href="https://pubmed.ncbi.nlm.nih.gov/36076132/">https://pubmed.ncbi.nlm.nih.gov/36076132/</a></p>
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#### 4. Material available (aliquot size) and storage conditions

<b>Material</b>	<input checked="" type="checkbox"/> Serum (400 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Cerebrospinal fluid - CSF (580 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> CSF cells (400 µl)	<input checked="" type="checkbox"/> -80°C

<b>Dokument erstellt</b> (tt/mm/yyyy): 16/09/2021	<b>Letzte inhaltliche Aktualisierung</b> (tt/mm/yyyy): 20/03/2024
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