





















1:30 – 3:30 pm

Symposium 3

**Symposium 3**

**Detecting neuroinflammation and consequences in severe mental disorders II**

*Chairs: F. Benedetti, Milan/Italy, H. Ehrenreich, Göttingen/Germany*

From Blue to Grey: Depression, Inflammation and Neurodegeneration

**E. Haroon**, Atlanta/USA

Convergence of Biotechnology and Psychiatry

**T. Frodl**, Aachen/Germany

Identification of an inflammation-associated psychosis onset subgroup by applying unsupervised machine learning to whole-blood expression levels of immune gene transcripts

**P. Enrico**, Milan/Italy

Serum levels of neurofilament light-chain (NfL), a biomarker of axonal and synaptic damage, predict 5-year outcome in acutely ill schizophrenia patients

**J. Steiner**, Magdeburg/Germany

Noninvasive measurement of head dielectric properties as a novel method for monitoring intracranial volume variations

*A. Boraschi, A. Spiegelberg, F. Karimi, M. Capstick, A. Fallahi, E. Neufeld,*

*N. Kuster, V. Kurtcuoglu, Zurich/Switzerland*

**3:30 – 4:00 pm**      **Coffee break**  
**4:00 – 6:00 pm**      **Symposium 4**

### **Symposium 4**

#### **Immune mechanisms in neuropsychiatric disorders I**

*Chairs: T. Frodl, Aachen/Germany, N. Müller, Munich/Germany*

A single-health system retrospective case series of electroconvulsive therapy for catatonic syndrome associated with anti-NMDAR encephalitis and new-onset psychosis of suspected immune origin

*S.N. Sanghani, C. Fernandez-Carbonell, S.V. Kothare, S.V. Proteasa, M. Gordon, H. Azizi, A.L. Mastrangelo, G. Petrides, **S. Najjar**, Hofstra/New York/USA*

Autoantibodies, routine and novel markers of neuroinflammation in people with atypical psychiatric disease

***J.X. Jiang**, N. Fewings, P. Gatt, S. Dervish, M. Silsby, A.F. Fois, St. Duma, S. Bandodkar, S. Ramanathan, A. Bleasel, B. John, A. Harris, M.-W. Lin, D. Brown, Westmead/Sydney/Australia*

The role of antibodies and brain barrier functions in mental disorders from systemic autoimmunity

***B. Diamond**, Manhasset/USA*

Results of RIPOD (risk of postpartum depression) study: postpartum follow-ups, risk factors and prediction for clinical cases, and multimodal neuroimaging data

***N. Chechko**, S. Stickel, L. Hahn, P. Schnakenberg, J. Dukart, S. Eickhoff, Aachen/Germany*

**Location: Schloss Reisensburg**

**7:00 pm**                      **Dinner (on own order)**

**8:15 – 9:00 pm**              **Special lecture with discussion on the international  
situation of CSF diagnostics in severe mental disorders**

**Special lecture with discussion on the international situation of CSF  
diagnostics in severe mental disorders**

*Chair Th. Frodl + discussants: R. Yolken, USA, E. Haroon, USA, A. Vincent, UK  
(remote), N. Müller, Germany, T. Pollak, UK, L. Tebartz van Elst, Germany, F.  
Benedetti, Italy, H. Klein, The Netherlands, K. Bechter, Germany and all*

CSF findings in mental disorders – from largescale to detailed clinical studies  
**M. E. Benros, Copenhagen/Denmark**

# Conference Program

Saturday, April 1st, 2023

**Location: Festsaal Bezirkskrankenhaus Günzburg**

9:00 – 10:30 am      Symposium 5

**>> CHANGED!! -- Symposium 8**

**Neuroinflammation in severe mental disorders**

*Chairs: A. Halaris, Illinois/USA, F. Benedetti, Milan/Italy*

The interaction between autophagy and inflammation in Schizophrenia: insight into mTOR-PI3K/Akt pathways and glial phenotype expression

**C. Song**, X.-N. Wang, L. Yan, H.-Y. Wang, C.-H. Wang, Zhanjiang/China

Sexual Dimorphism of Microglia in High Trait Anxiety with a Particular Focus on Synaptic Pruning

**B. Ugursu**, A. Sah, S. B. Sartori, H. Kettenmann, N. Singewald, S.A. Wolf  
Berlin/Germany

Deciphering Microglia-Synapse Interaction in Neuroligin-4 Knockout mouse model of Autism Spectrum Disorder

**S. Wolf**, B. Ugursu, H. Kettenmann, Berlin/Germany

Innate and adaptive immune components in psychosis

**L. Tian** (remote), Tartu/Estonia

**10:30 – 11:00 am      Coffee break**

**11:00 – 12:45 am      Symposium 6**

**Symposium 6:**

**Infections and Neuroinflammation**

*Chairs: D. Drevets, Oklahoma City/USA, U-C Meier, Munich/Germany*

Covid-19 and neuropsychiatric complications

**V. Nersesjan**, *Copenhagen/Denmark*

Cumulative Roles for different Viruses in Driving an Inflammatory Cascade

Underlying MS Pathogenesis

**U.-C. Meier**, *R. C. Cipian, A. Karimi, R. Ramasamy, J. Middeldorp Munich/Germany*

Systemic infection of mice with neuroinvasive *Listeria monocytogenes* triggers cognitive decline and persistent increases in brain CD8+ T-lymphocyte populations

*B. R. Cassidy, S. Logan, J. Farley, D. Owen, W. E. Sonntag, D. Drevets, Oklahoma City/USA*

Inflammatory macrophages in patients with fatigue

**M. Schneider**, *J. M. Schneider, C. Scheiber, C. Li, K. Föhr, J. M. Steinacker, K. Bechter, Ulm/Germany*

Plasma autoantibodies in patients with Affective and Schizophrenic Spectrum Disorders

**C. Scheiber**, *A. Dulcovic, K. Bechter, E. M. Schneider, Ulm/Germany*

Is a herpes viral protein responsible for foci of alarming presence of T cells in the brain of schizophrenia patients?

**H. Klein**, *Groningen/The Netherlands*

**12:45 – 1:30 pm      Lunch break / Poster Session**

*Chair: F. Benedetti*

**1:30 – 3:30 pm      Symposium 7**

**Symposium 7:**

**Neuroinflammation and experimental treatments in affective disorders**

*Chairs: N. Müller, Munich/Germany*

Whole body Hyperthermia for the treatment of depression

**M. Schäfer**, Essen/Germany

The gut-brain-crosstalk- the vagal nerve and the gut-brain axis in major depression

**S. Mörtl**, Graz/Austria

Tolerization for treating neurodegenerative and psychiatric diseases

**P. de Haan**, Leiden/The Netherlands

Towards biomarker-based personalized medicine in psychiatry: an individual-level participant data meta-analysis of anti-inflammatory add-on treatment for psychotic disorders

**E. Orbe**, Copenhagen/Denmark

Immune cell alterations in patients with psychosis: A comprehensive systematic review and meta-analysis

**M. Clausen**, Copenhagen/Denmark

**3:30 – 4:00 pm          Coffee break**

**4:00 – 6:00 pm          Symposium 8**

**>> CHANGED!! -- Symposium 5:**

**Immune mechanisms in neuropsychiatric disorders II**

*Chairs: R. Yolken, Baltimore/USA, J. Steiner, Magdeburg/Germany*

Elevated risk for new-onset psychiatric disorders in vulnerable populations harboring gut-brain axis dysfunction in a large US study of medical records

**E. Severance** (cancelled), *F. Dickerson, R. Yolken, Baltimore/USA*

Response to the COVID-19 Vaccine in Persons with Schizophrenia and Other Serious Mental Illnesses

**F. Dickerson, R. Yolken, Baltimore/USA**

The state of the art in the EU-project MOODSTRATIFICATION

**H. Drexhage, Rotterdam/The Netherlands**

Personalized immune diagnostics: Epitope mapping of the immunome

**M. Szardenings, Leipzig/Germany**

**Location: Schloss Reisensburg**

**7:00 pm                  Dinner & Music**



# Conference Program

Sunday, April 2nd, 2023

## Location: Schloss Reisenburg

9:00 – 10:30 am      Workshop 4

10:30 – 11:00 am      Workshop 5

## Workshop 4:

**How to assess the various and variant brain barrier functions in vivo? *with discussion by W. Banks, K. Bechter, D. Drevets, S. Najjar, J. Steiner, A. Vincent (remote), and all (submission of further short presentation titles possible)***

Blood-Brain barrier: the Extracellular Fluid flow-related interpretation

***Hansotto Reiber, Göttingen/Germany***

Neurochemical Biomarkers in patients with COVID-19

***H. Tumani, Ulm/Germany***

Pitfalls in CSF diagnostics – a neurologists experience and perspective

***R. Nau, Göttingen/Germany***

## Workshop 5:

**Discussion: After the description of Autoimmune Psychosis: results, open questions, further requirements.**

***Chairs: T. Pollak, A. Vincent (remote), K. Bechter***

## Posters (presented throughout the meeting)

A Fatal Case of Late Stage Lyme Borreliosis and Substance Abuse

**R. Bransfield**, A. Dwork, M. Embers, New Jersey/USA

Food intolerances in ADHD patients, a follow up

**H.-W. Clement**, Freiburg/Germany

Support for a Connection Between Pediatric Bipolar Disorder and Tick-Borne Infections

**R. Greenberg**, Summit/USA

The DEXA-PSYCH Study: Repurposing Dexamethasone for Treatment of Moderate-to-Severe Depression – A Study Protocol

**T. Boldt Rømer**, R. H. B. Christensen, M. E. Benros, Copenhagen/Denmark

Immune changes and predictors of response in patients with depression

**M. Schäfer**, J. Kemper, M. Leboyer, A. Cattaneo, L. Capuron, Essen/Germany

Cerebrospinal fluid abnormalities in first- and multi-episode schizophrenia-spectrum disorders: impact of clinical and demographical variables

**E. Wagner**, München/Germany

## Abstracts

of the 16<sup>th</sup> Psychoimmunology Expert Meeting are available *online* (open access) in **Special Issue, Journal of Affective Disorders Reports, Elsevier**

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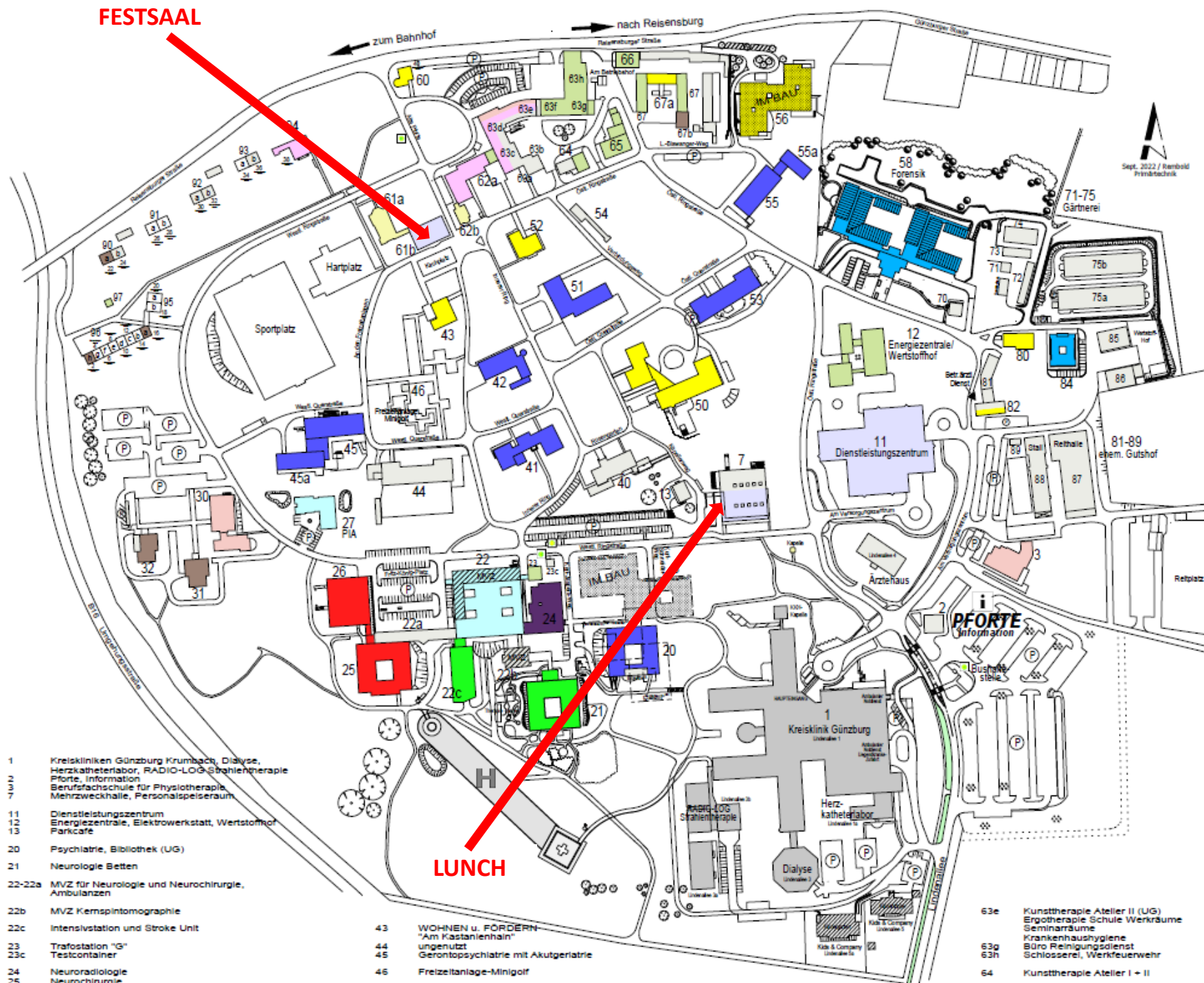
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# MAP OF BEZIRKSKRANKENHAUS GUENZBURG



**FESTSAAL**

**LUNCH**

- 1 Kreiskliniken Günzburg Krumbach, Dialyse, Herzkatheterlabor, RADIO-LOG Strahlentherapie Pforte, Information Berufsfachschule für Physiotherapie, Mehrzweckhalle, Personalspeiseraum
- 11 Dienstleistungszentrum
- 12 Energiezentrale, Elektrowerkstatt, Wertstoffhof
- 13 Parkcafé
- 20 Psychiatrie, Bibliothek (UG)
- 21 Neurologie Betten
- 22-22a MVZ für Neurologie und Neurochirurgie, Ambulanzen
- 22b MVZ Kernspintomographie
- 22c Intensivstation und Stroke Unit
- 23 Trafostation "G"
- 23c Testcontainer
- 24 Neuroradiologie
- 25 Neurochirurgie

- 43 **WOHNEN u. FÖRDERN** "Am Kastanienhain" ungenutzt
- 44 Gerontopsychiatrie mit Akutgeriatrie
- 46 Freizeitanlage-Minigolf

- 63e Kunsttherapie Atelier II (UG) Ergotherapie Schule Werkräume Seminarräume
- 63g Krankenhaushygiene
- 63h Büro Reinigungsdienst Schlosserei, Werkfeuerwehr
- 64 Kunsttherapie Atelier I + II

### CASH POINTS / ATMs in the area

Cash points / ATMs:



Clinic area  
Festsaal (Location 2)

Reisensburg  
(Location 1)

