

Dear Friends and Colleagues!

It is our sincere pleasure to invite you to the 1st International Conference on Cognitive Reserve in the Dementias (ResDem) in Munich on 24-25 November 2017.

Research on protective factors in different dementias has received growing attention during the last years. A key finding was that higher levels of life experiences such as cognitive, social and physical activities are associated with a later onset and decreased risk of dementia. The brain mechanisms underlying these protective effects yet remain largely unknown, even though it is crucial to further understand these mechanisms so that this knowledge can be used to develop effective therapies and preventive strategies.

ResDem is the first conference entirely dedicated to reserve and its underlying mechanisms. Leading experts from different scientific areas, including imaging, genetics, intervention and preclinical research, will be brought together. Reserve mechanisms across different types of neurodegenerative diseases will be discussed. A data blitz will give young upcoming researchers an opportunity to present their results.

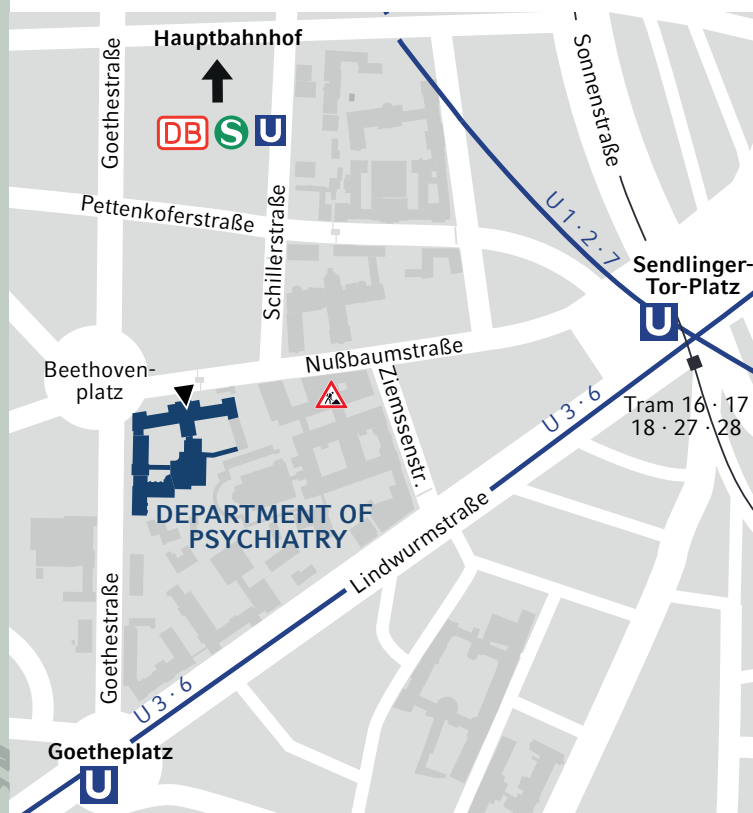
We cordially invite you to an exciting meeting in the beautiful city of Munich. You reserve it!

Prof. Robert Perneczky
Chairperson

Prof. Michael Ewers
Co-Chairperson

VENUE

Department of Psychiatry
and Psychotherapy
Ludwig-Maximilians-University Munich
Nussbaumstraße 7 • 80336 Munich • Germany



CONTACT & INFORMATION

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Check our website for further information regarding registration and poster abstract submission:

www.resdem2017.com

Continuing education credits will be granted.



1ST INTERNATIONAL CONFERENCE ON

COGNITIVE RESERVE IN THE DEMENTIAS



ResDem

24-25 November 2017

Department of Psychiatry
and Psychotherapy
Ludwig-Maximilians-University Munich
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**RESERVE
NOW**

We would like to thank the VERUM Foundation
(www.verum-foundation.de) for their kind support.

PROGRAM 1ST INTERNATIONAL CONFERENCE ON COGNITIVE RESERVE IN THE DEMENTIAS (RESDEM)

DAY 1 Friday, 24th November 2017

09:30 Welcome

Robert Perneczky/Michael Ewers,
Ludwig-Maximilians-University Munich, Germany

09:45 Opening presentation:

The future of cognitive reserve research
Yaakov Stern, Columbia University, New York, USA

SESSION 1. Functional mechanism underlying reserve

Chair: Michael Ewers, LMU Munich, Germany

10:15 Brain metabolic networks underlying cognitive reserve

Silvia Morbelli, University of Genoa, Italy

10:35 Left frontal lobe hub connectivity moderates impact of Alzheimer's pathology on cognitive function

Nicolai Franzmeier, Ludwig-Maximilians-University Munich, Germany

10:55 Functional connectome of cognitive reserve

Emiliano Santarnecchi, Harvard Medical School, Boston, USA

11:15 Hyperactivation: Friend or foe in dementia?

Willem Huijbers, Tilburg University, The Netherlands

11:35 Critical importance of network hubs in dementia

Nicolas Crossley, King's College London, United Kingdom

12:00 Lunch break

SESSION 2. Preclinical research and small animal studies

Chair: Christian Haass, German Center for Neurodegenerative Diseases Munich, Germany

13:00 η -Secretase processing of APP inhibits neuronal activity in the hippocampus

Christian Haass, German Center for Neurodegenerative Diseases Munich, Germany

13:20 Hippocampal neurogenesis and neurogenic reserve

Gerd Kempermann, German Center for Neurodegenerative Diseases Dresden, Germany

13:40 HPA axis and circadian abnormalities in preclinical AD: data from the bedside to the bedside

Chinedu Udeh-Momoh, Imperial College London, United Kingdom

14:00 Long-term environmental enrichment and hippocampal plasticity

Oliver Wirths, Georg-August-University Göttingen, Germany

14:20 Brain reserve in Parkinson's disease animal models

Beate Winner, Friedrich-Alexander-University Erlangen, Germany

14:45 Coffee break and poster session

SESSION 3. Data blitz: Early-stage researchers – blue sky

Chair: Robert Perneczky, Ludwig-Maximilians-University Munich, Germany

15:55 Ten selected presentations, 5 minutes each

SESSION 4. Debate: Do we need a new concept of cognitive reserve?

Chair: Amos Korczyn, Tel Aviv University, Ramat Aviv, Israel

16:45 Pro: A new conceptual framework is required.

Michael Ewers, Ludwig-Maximilians-University Munich, Germany

17:00 Con: Current concepts and definitions are still appropriate.

Alexander Kurz, Technical University Munich, Germany

17:15 Discussion and rebuttals

Closure Day 1

17:30-18:30 Press conference

19:00-22:00 Speakers' dinner

DAY 2 Saturday, 25th November 2017

08:30 Welcome

Robert Perneczky/Michael Ewers, Ludwig-Maximilians-University Munich, Germany

08:35 Reduction of age-specific dementia incidence in the Cognitive Function and Ageing studies

Fiona Matthews, Newcastle University, United Kingdom

SESSION 5. Interventions to strengthen reserve

Chair: Gael Chetelat, University of Caen Normandy, France

09:05 Meditation to enhance cognitive reserve in aging and Alzheimer's disease

Gael Chetelat, INSERM U1077, Caen, France

09:25 Physical activity over a decade and brain structural and functional changes

Carl-Johann Boraxbekk, Umeå University, Sweden

09:45 Behavioural and functional impact of transcranial magnetic stimulation

David Bartres-Faz, University of Barcelona, Spain

10:05 Intellectual enrichment to protect against cognitive decline in multiple sclerosis

Mara Rocca, INSPE Unit San Raffaele Hospital Milan, Italy

10:25 Multimodal interventions and dementia prevention

Shireen Sindi, Karolinska Institute Stockholm, Sweden

10:50 Coffee break

SESSION 6. Brain correlates of reserve

Chair: Arfan Ikram, Erasmus University Medical Centre Rotterdam, The Netherlands

11:00 Serotonin 5-HTTLPR modulates brain damage in frontotemporal dementia

Enrico Premi, University of Brescia, Italy

11:20 Novel genetic loci underlying intracranial volume

Arfan Ikram, Erasmus University Medical Centre Rotterdam, The Netherlands

11:40 Brain size and the compensation of Alzheimer's disease symptoms

Robert Perneczky, Ludwig-Maximilians-University Munich, Germany

12:00 Late adulthood activities and brain structure

Eider Arenaza-Urquijo, Inserm U1077 Caen, France

12:20 Conflicting cerebrospinal biomarkers and the effects of reserve

Panagiotis Alexopoulos, University of Patras, Greece

12:45 Lunch break

SESSION 7. Epidemiology of reserve factors

Chair: Nikolaos Scarmeas, National and Kapodistrian University of Athens, Greece

13:45 Physical activity, APOE and amyloid in prodromal Alzheimer's disease

Catherine Robb, Imperial College London, United Kingdom

14:05 Protective factors associated with Parkinson's disease

John Hindle, Bangor University Wales, United Kingdom

14:25 Mediterranean diet, brain structure and Alzheimer's dementia risk

Nicolaos Scarmeas, Columbia University, New York, USA

14:45 Life course activity participation and cognitive ageing in the Lothian birth cohorts

John Starr, University of Edinburgh, Scotland

15:05 Bilingualism and age at onset of dementia

Thomas Bak, University of Edinburgh, Scotland

15:30 Closing words and poster awards

15:50 Farewell coffee

16:30 Conference closure