

2nd DZG Munich Day

A joint symposium of the German Centers for Health Research

12.7.
2024

Helmholtz Munich
Auditorium

8:30 REGISTRATION & COFFEE

9:00 Welcome

9:05 Greetings

Matthias Tschöp (CEO, Helmholtz Munich)

Thomas Romes (Deputy Director-General Life Sciences - Research for Health, BMBF)

Markus Blume (State Minister for Science and Arts) – Video Greeting

Stephanie E. Combs (Dean, TUM School of Medicine and Health)

Markus M. Lerch (Medical Director, LMU University Hospital Munich)

9:30 **Activities and Synergies within the DZG**

Martin Hrabě de Angelis (Chair of DZG Board)

9:45 **M1 – Munich Medicine Alliance**

Matthias Tschöp (Helmholtz Munich)

10:05  NETWORKING & COFFEE

10:45 **DZG Overview Presentations**

DKTK | DZD | DZHK | DZIF | DZKJ | DZL | DZNE | DZPG

11:30 **Scientific Poster Speed Talks** (*See next page*)

12:00  POSTERSESSION & LUNCH

13:20 **Cross-DZG Projects and Collaborations**

DZD | DZIF | DZKJ | DZNE: Disease-overarching modulation of TREM2 | *Kai Schlepckow*

DZL | DZIF | DZKJ: Longitudinal pulmonary imaging and assessment of lung function in preterm infants with neonatal chronic lung disease | *Kai Förster*

DZIF | DZKJ | DZNE: Identification of pathomechanisms and blood-based biomarkers in Niemann-Pick type C disease | *Sabina Tahirovic*

DZD | DZHK: Intermittent fasting and beta-cell maturation | *Alexander Bartelt*

14:20 **Patient Participation in the DZG**

Astrid Glaser (DZD) & Stefan Leucht (DZPG)

14:45 Best Poster Award Ceremony & Closing Remarks

15:00  NETWORKING & COFFEE

#ResearchforHealth

Voting time

12 – 2 pm

Infra- structures

1. NEXT-Generation Biobanking: Novel biobanking approaches and networking options for translational cancer research in Germany | *Courtney König (DKTK)*
2. Systemic phenotyping at the German Mouse Clinic | *Helmut Fuchs (DZD)*
3. LungView Platform: An AI-driven imaging technology for systemic murine lung research in health and disease | *Lin Yang (DZL)*
4. Integrating research and clinical data: A hybrid infrastructure for multimodal data storage | *Renata De Souza Falguera (DZPG)*

Omics

5. Multiomic analyses uncover immunological signatures in acute and chronic coronary syndromes | *Kami Pekayvaz (DZHK)*
6. OTOPIA: Querying scRNA-Seq databases for combinatorial targets | *Maximilian Buser (DKTK)*
7. Pediatric proteomics - A systematic approach to deciphering disease and enhancing early intervention | *Johannes Müller-Reif (DZKJ)*
8. Spatial deconvolution of human lung fibrosis progression using GeoMx spatial transcriptomics and single nuclei RNA-seq data | *Valentina Beliaeva (DZL)*
9. Implementation of CRISPR/Cas9 genome editing to generate murine lung cancer models that depict the mutational landscape of the human disease | *Oliver Hartmann (DKTK)*

Mecha- nisms

10. Nocturnal heat exposure and stroke risk | *Cheng He (DZHK)*
11. Enhanced legumain activity links progranulin deficiency to TDP-43 pathology in frontotemporal lobar degeneration | *Maria-Teresa Mühlhofer (DZNE)*
12. Epstein-Barr virus-driven B cell lymphoma mediated by a direct LMP1-TRAF6 complex | *Fabian Gehler (DZIF)*
13. Co-expression of prepulse inhibition and schizophrenia genes in the mouse and human brain | *Lillian Garrett (DZPG)*
14. TREM2: from target identification to translation | *Kai Schlepckow (DZNE)*
15. Immune-mediated denervation of the pineal gland underlies sleep disturbance in cardiac disease | *Karin Ziegler (DZHK)*
16. Dissecting Treg-based immune metabolic crosstalk in muscles | *Maike Becker (DZD)*
17. A liver immune rheostat regulates CD8 T cell immunity in chronic HBV infection | *Hannah Wintersteller (DZIF)*

Diagnostics & Therapy

18. The role of GIP receptor in GABAergic cells for obesity pharmacology | *Arkadiusz Liskiewicz (DZD)*
19. Aducanumab treatment reduces microglial activation | *Lis deWeerd (DZNE)*
20. Scivias study - Holistic medicine for children | *Katharina Danhauser (DZKJ)*
21. Pleural effusions in lung transplant recipients – a site of allograft rejection? | *Michael Gerckens (DZL)*
22. Diagnostic accuracy of the novel GeneXpert host response assay for the detection of childhood tuberculosis in low- and middle-income countries | *Leyla Larsson (DZIF)*
23. Efficacy of the cognitive behavioral analysis system of psychotherapy (CBASP) versus nonspecific psychotherapy in early-onset chronic depression in Germany: a cluster analysis of child maltreatment patterns | *Stephan Goerigk (DZPG)*
24. Neurosteroid response following traumatic brain injury – A translational approach | *Hanneke MacLaren (DZKJ)*