



# 68<sup>th</sup> Annual Meeting of the German Society of Neuropathology and Neuroanatomy (DGNN)

September 12 - 14, 2024 Regensburg



## Venue

University Hospital Regensburg  
Franz-Josef-Strauß-Allee 11  
93053 Regensburg  
Großer Hörsaal, Kleiner Hörsaal, D1 Mikroskopiersaal, A2 Kursräume

## Organisation

*Julia Krutsch*  
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## Registration

Online: <https://www.ukr.de/veranstaltung/dgnn-2409>



## Scientific Committee

Markus J. Riemenschneider, Regensburg  
Atik Baborie, Regensburg  
Patrick Harter, München  
Ulrich Schüller, Hamburg  
Christian Mawrin, Magdeburg  
Guido Reifenberger, Düsseldorf  
Christine Stadelmann-Nessler, Göttingen  
Joachim Weis, Aachen  
Manuela Neumann, Tübingen

## Hosting society:

German Society of Neuropathology and Neuroanatomy (DGNN)

## Sponsors

Carl Zeiss Microscopy Deutschland GmbH                      500,00 €

*If you are interested in participating as an exhibitor or sponsor, please contact us at [kongresse@ukr.de](mailto:kongresse@ukr.de) or [neurpathologie@ukr.de](mailto:neurpathologie@ukr.de).*

Sponsorship service for presentation and advertising purposes.

## More Information

[www.ukr.de/neuropathologie](http://www.ukr.de/neuropathologie)

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## Congress language:

The official congress language is English. Selected sessions in German are expelled in the program.

# Program

Thursday, September 12, 2024

09:00 - 12:00 **Pre-Congress Workshop NGS**

*Julia Lorenz, Tanja Rothhammer-Hampl, Katrin Mauch-Mücke; Regensburg*

Introduction and practical start of the analysis of a DNA/RNA Panel

- LibraryPrep
  - o Starting material
  - o Overview of different techniques
  - o Panel design (commercial and custom panels), LibraryPrep
- NGS
  - o Requirements
  - o Illumina sequencing method
- Data analysis
  - o Requirements
  - o Bcl2Fastqs, fastq.file
  - o Mapping sequences to the reference genome: bam.files
  - o Quality parameters: fastQC, demultiplexing Stats, read counts, coverage, read distribution, deduplication rate
  - o SNP and small InDels calling, copy number analysis, LOH analysis, fusion analysis
- Data interpretation, hands on part:
  - o AMP / ASCO / CAP guideline (PMID: 27993330)
  - o Mutations, small InDels → IGV, OncoKG, InterVar, QCI: hands on interpretation
  - o Copy number variations / LOH
  - o RNA-Fusion → Cosmic Fusion curation
- Wrap up: Learning content summary, Quiz

13:00 - 13:20 **Congress Opening and Welcome**

4' *Markus Riemenschneider, Congress president DGNN 2024*

4' *Till Acker, Gießen, DGNN president*

4' *Gertrud Maltz-Schwarzfischer, Mayor of the City of Regensburg*

4' *Dirk Hellwig, Dean of the Medical Faculty, University of Regensburg*

4' *Udo Hebel, President, University of Regensburg*

13:20 - 15:15 **Neuroimmunology**

Chair: Christine Stadelmann-Nessler, Göttingen; Ralph Linker, Regensburg

20'+10' **Keynote Lecture:** Marco Prinz, Freiburg

**Microglia and Central Nervous System-Associated Macrophages - from Origin to Disease modulation**

20'+ 5' Philipp Beckhove, Regensburg:

Interventional immunology as a multipotent tool to treat brain diseases

15'+ 5' Simon Hametner, Wien, Austria:

The role of iron deposits in brain tissue and chronic MS lesions

15'+5' Markus Bauswein, Regensburg:

Borna Disease Virus 1 (BoDV-1) Encephalitis – Novel insights from the Bornavirus focal point Bavaria

7'+3' Abstract Talk

7'+3' Abstract Talk

15.15 - 15:45 **Coffee Break**

15:45 - 17:30 **Brain Tumors 1 (Classification, Miscellaneous)**

Chair: Guido Reifenberger, Düsseldorf; Markus Riemenschneider, Regensburg

20'+5' Pieter Wessling, Amsterdam, Netherlands:

cIMPACT-NOW: Practical consequences of a balancing act

15'+5' Sonika Dahiya, St. Louis, MO, USA:

Update on meningioma classification

15'+5' Pascal Johann, Augsburg:

New vulnerabilities and mechanisms in SWI/SNF deficient CNS tumors

15'+5' Daniel Amsel, Gießen:

METIS: A Meningioma Testset for Inter-Institutional Domain Shifts in Computational Histopathology

7'+3' Abstract Talk

7'+3' Abstract Talk

17:30 - 20:00 **Free Poster Viewing** (Wine & Cheese Reception, A2 Kursräume)

18:00 - 20:00 **General Meeting DGNN** (with Bavarian beer and Pretzels, Kleiner Hörsaal)

## Friday, September 13, 2024

09:00 - 10:45 **Muscle / Nerv**

*Chair: Joachim Weis, Aachen; N. N.*

- 15'+5' *Ruth Stassart, Leipzig:*  
Remyelination and Nerve Repair - Investigative models and novel therapeutic approaches
- 15'+5' *Rolf Schröder, Erlangen:*  
New therapeutic strategies for Desmin-associated myopathies
- 20'+5' *Thomas Menter, Basel, Switzerland:*  
Hirschsprung and related diseases – Basics and diagnostic challenges
- 15'+5' N. N.
- 7'+3' Abstract Talk
- 7'+3' Abstract Talk

10:45 - 11:15 **Coffee Break**

11:15 - 13:00 **Neurodegeneration**

*Chair: Manuela Neumann, Tübingen; Atik Baborie, Regensburg*

- 20'+5' *Jürgen Winkler, Erlangen:*  
Synucleinopathies - Recent insights into pathomechanisms and novel research trends
- 15'+5' *Henne Holstege, Amsterdam, Netherlands:*  
Genomics of Neurodegenerative Diseases and Aging - Insights from the 100-plus Study
- 15'+5' *Dietmar Thal, Leuven, Belgium:*  
Regulated cell death in neurodegenerative disorders
- 15'+5' N. N.
- 7'+3' Abstract Talk
- 7'+3' Abstract Talk

13:00 - 15:00 **Main Poster Viewing Session** (with light lunch at the posters)

Join the Poster Spotlight presentations!

*(Moderation: Christian Mawrin, Magdeburg)*

15:00 - 17:00 **Brain Tumors 2 (Innovative Methods)**

*Chair: Markus Riemenschneider, Regensburg; Patrick Harter, München*

20'+10' **Keynote Lecture:** *Itay Tirosh, Rehovot, Israel*

**Studying the ecosystem of glioblastoma by single-cell genomics**

15'+ 5' *Roman Sankowski, Freiburg:*

Context-dependent CAM (CNS-associated macrophage) signatures in human patients with glioblastoma

15'+5' *Philipp Euskirchen, Berlin:*

Rapid-CNS<sup>2</sup>: Brain tumor diagnostics by nanopore sequencing – an update

15'+5' *Ulrich Schüller, Hamburg:*

Specific DNA methylation patterns and CNV profiles in mouse models of paediatric tumors

7'+3' Abstract Talk

7'+3' Abstract Talk

7'+3' Abstract Talk

17:00 - 18:00 **Parallel Sessions**

**Session 1: Großer Hörsaal**

**Session 2: Kleiner Hörsaal**

**Session 1 BZKF-Studiengruppe Hirntumoren - Molekulares Tumorboard**

(Session in German)

**Diskussionspanel:** *Peter Hau, Louisa von Baumgarten, Martin Proescholdt, Julia Lorenz, Patrick Harter, Markus Riemenschneider*

Detektion molekularer Veränderungen mittels des TSO500-Panels

Variantenannotation, Studienannotation (Klinische Signifikanz- und Evidenzgraduierung)

Fallbeispiele (z.B. Tumor mit EGFR-Veränderung, IDH-mutiertes Gliom, Gliome mit hoher Mutationslast, etc.)

**Session 2 JuNe / Young Neuropathologists Career Seminar**

(Session in German)

*Chair: Roman Sankowski, Freiburg; N. N.*

15' *Azadeh Ebrahimi, Bonn:*

Der Weg zur Habilitation: Lang, steinig, aber lohnenswert?!

15' *Christine Stadelmann-Nessler, Göttingen:*

Fördermöglichkeiten für Nachwuchswissenschaftler

- 15' *Katrin Frauenknecht, Dudelange, Luxembourg:*  
Karrierewege über Landesgrenzen hinweg
- 15' Fragen und Austausch zwischen Teilnehmenden und Referentinnen

**20:00 Social Evening**

Brauhaus am Schloss, Waffnergasse 6, 93047 Regensburg  
[www.brauhaus-am-schloss.com](http://www.brauhaus-am-schloss.com)

**Saturday, September 14, 2024**

09:00 - 11:00 **Mini-Symposium on Quality Assurance in Neuropathology**

In cooperation with the Quality Insurance Commission of the DGNN  
(Session in German)

*Chair: Markus Riemenschneider, Regensburg; Kaspar Matiasek, München*

- 15'+5' *Simona Curelea, Berlin:*  
Grundlagen der Akkreditierung in der Neuropathologie
- 15'+5' *Felix Sahm, Heidelberg:*  
Entwicklung von fachlichen Leitlinien zur Akkreditierung von molekularneuropathologischen Verfahren
- 15'+5' *Thomas Pilz, Berlin:*  
Vorstellung der QuIP (Qualitätssicherungs-Initiative Pathologie)
- 15'+5' *Katrin Mauch-Mücke, Regensburg:*  
Ringversuchslandschaft in der Neuropathologie
- 15'+5' *Michael Vogeser, München:*  
Die Ad-hoc-Kommission In-vitro Diagnostik (IVD) in der AWMF
- 15'+5' *Alonso Barrantes-Freer, Leipzig:*  
Beispiele zur Umsetzung der IVDR in der Neuropathologie

11.00 - 11.30 **Coffee Break**

11:30 - 13:30 **Highlights in Clinical and Translational Research**

*Chair: Nils Ole Schmidt, Regensburg; Ulrich Schüller, Hamburg*

- 18'+6' *Beate Winner, Erlangen:*  
Induced pluripotent stem cells and brain organoids as disease models in neurological research

- 15'+5' *Henrik Heiland, Erlangen/Freiburg:*  
Transitioning spatial and single cell multiomics into clinical applications
- 15'+5' *Peter Hau and Tanja Rothhammer-Hampl, Regensburg:*  
Evaluating national standards and response patterns in molecular neurooncological tumor boards
- 15'+5' *Selim Corbacioglu, Regensburg:*  
Irinotecan and temozolomide in combination with dasatinib and rapamycin for patients with relapsed or refractory neuroblastoma: results of the prospective randomized RIST trial
- 15'+5' *Clair Gardiner, Dublin, Ireland:*  
Targeting NK cell function to restore patient anti-cancer immunity
- 15'+5' *Volker Neuschmelting, Köln:*  
Intraoperative stimulated Raman histology for personalized brain tumor surgery
- 13:15-14:00 **Closing Ceremony and Awards**
- Werner-Rosenthal-Prize of the DGNN** (*Markus Riemenschneider, Regensburg*)
- Theodor-Schwann-Prize of the DGNN** (*Joachim Weiss, Aachen*)
- Poster Awards and Closing Remarks** (*Markus Riemenschneider, Regensburg*)