



68th 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 €

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Sponsorship service for presentation and advertising purposes.

More Information

www.ukr.de/neuropathologie

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Congress language:

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

Programme

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-CNS²: 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.

Azadeh Ebrahimi, Bonn:

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

Christine Stadelmann-Nessler, Göttingen:

Fördermöglichkeiten für Nachwuchswissenschaftler

Katrin Frauenknecht, Dudelange, Luxemburg:
Karrierewege über Landesgrenzen hinweg

20:00

Social Evening

Brauhaus am Schloss, Waffnergasse 6, 93047 Regensburg
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

- 18'+6' *Henrik Heiland, Erlangen/Freiburg:*
Transitioning spatial and single cell multiomics into clinical applications
- 18'+6' *Peter Hau and Tanja Rothhammer-Hampl, Regensburg:*
Evaluating national standards and response patterns in molecular neurooncological tumor boards
- 18'+6' *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
- 18'+6' *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** (*Ingmar Blümcke, Erlangen*)
- Theodor-Schwann-Prize of the DGNN** (*Joachim Weiss, Aachen*)
- Poster Awards and Closing Remarks** (*Markus Riemenschneider, Regensburg*)