



68th Annual Meeting of the German Society of Neuropathology and Neuroanatomy (DGNN)

September 12 - 14, 2024 in Regensburg



Venue

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

Organisation

Julia Krutsch
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University Hospital Regensburg
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Registration

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



Scientific Committee

Markus 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

Systemex Deutschland GmbH	4.000,00 €
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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 or neurpathologie@ukr.de.

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** (D1 Mikroskopiersaal)

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 Sequencing methods
- 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**

Markus Riemenschneider, Congress president DGNN 2024

Till Acker, Gießen, DGNN president

Gertrud Maltz-Schwarzfischer, Mayor of the City of Regensburg

Dirk Hellwig, Dean of the Medical Faculty, University of Regensburg

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 Wesseling, Amsterdam/Utrecht, The 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' *Abigail Suwala, Heidelberg:*
IDH-mutant gliomas: novel subtypes
- 7'+3' Abstract Talk
- 7'+3' Abstract Talk

17:30 - 20:00 **Welcome Reception at the Posters**

(exhibition space in front of Großer Hörsaal, 2nd floor, Lobby)

18:00 - 20:00 **General Meeting DGNN (Kleiner Hörsaal)**

Bavarian beer and Pretzels are served at both events.

Friday, September 13, 2024

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

Chair: Joachim Weis, Aachen; N. N.

- 20'+5' *Thomas Menter, Basel, Switzerland:*
Hirschsprung and related diseases – Basics and diagnostic challenges
- 15'+5' *Ruth Stassart, Leipzig:*
Nerve repair in diseases of the peripheral nervous system
- 15'+5' *Albena Jordanova, Antwerpen, Belgium:*
Identification of novel causative genes for inherited forms of peripheral neuropathies and spastic paraplegias
- 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, The 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' *Valerio Zenatti, München:*
Endo-lysosomal dysfunction and neuronal-glia crosstalk in Niemann Pick type C disease
- 7'+3' Abstract Talk
- 7'+3' Abstract Talk

13:00 - 15:00 **Main Poster Viewing Session**

With light lunch at the posters.

(exhibition space in front of Großer Hörsaal, 2nd floor, Lobby)

Join the Poster Spotlight Presentations!

(Moderation: Christian Mawrin, Magdeburg)

15:00 - 16:50 **Brain Tumors 2 (Innovative Methods)**

Chair: Markus Riemenschneider, Regensburg; Patrick Harter, München

15'+5' *Daniel Amsel, Gießen:*

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

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.

- 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



picture source: 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 Sahn, 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

15'+5' *Clair Gardiner, Dublin, Ireland:*
Targeting NK cell function to restore patient anti-cancer immunity

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' *Volker Neuschmelting, Köln:*
Intraoperative stimulated Raman histology for personalized brain tumor surgery

15'+5' *Peter Hau and Tanja Rothhammer-Hampl, Regensburg:*
Evaluating national standards and response patterns in molecular neurooncological tumor boards

15'+5' *Henrik Heiland, Erlangen/Freiburg:*
Transitioning spatial and single cell multiomics into clinical applications

15'+5' *Beate Winner, Erlangen:*
Induced pluripotent stem cells and brain organoids as disease models in neurological research

13:30-14:00 **Closing Ceremony and Awards**

Funding Price Neurodegeneration of the Sibylle Assmus Foundation

Laudatio: Markus Riemenschneider, Regensburg

10' *Award Winner Lecture: Dasha Nelidova, Basel, Switzerland:*
Restoring vision by near-infrared light sensors

Werner-Rosenthal-Prize of the DGNN (*Markus Riemenschneider, Regensburg*)

Theodor-Schwann-Prize of the DGNN (*Joachim Weis, Aachen*)

Poster Awards and Closing Remarks (*Markus Riemenschneider, Regensburg*)