PROGRAMME

JOINT-MEETING of the GERMAN SOCIETY for NEUROPATHOLOGY and NEUROANATOMY (DGNN) and THE SCANDINAVIAN NEUROPATHOLOGICAL SOCIETY (SNS)

22–24 September
HAMBURG Germany

2016

www.dgnn-conference.de
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Universitätsklinikum Hamburg-Eppendorf
Medizinhistorisches Museum Hamburg
Martinistraße 52 • 20246 Hamburg/DE
22–24 September 2016

Conference website
www.dgnn-conference.de

Hosting societies
German Society for Neuropathology and Neuroanatomy (DGNN)
www.dgnn.de

Scandinavian Neuropathological Society (SNS)
www.s-n-s.org

Conference chairs
Markus Glatzel
Institut für Neuropathologie
Universitätsklinikum Hamburg-Eppendorf
Martinistraße 52 • 20246 Hamburg/DE

Bjarne Winther Kristensen
Institute of Clinical Research, Department of Pathology
University of Southern Denmark
Odense University Hospital
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The official conference language is English.

Conference organisation and industrial exhibition
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Carl-Pulfrich-Straße 1 • 07745 Jena/DE
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Dear Colleagues,

We would like to welcome you warmly to the Joint-Meeting of the German Society for Neuropathology and Neuroanatomy (DGNN) and the Scandinavian Neuropathological Society (SNS) held in Hamburg.

This year’s programme will cover a broad spectrum of diagnostic and experimental neuropathology including neurodegeneration, neuroinflammation, neurooncology and neuromuscular biology. Besides lectures by leading scientists, the programme includes panel discussions, poster presentations and workshops.

The industrial exhibition and a lively social programme will further complete the meeting.

The venue at the historical pathology building of the University Medical Center Hamburg-Eppendorf, now a medical museum, is the ideal location for scientific exchange between young and experienced scientists, experimentally oriented researchers and physicians.

We hope to see numerous participants at our meeting and look forward to many interesting contributions.

We are looking forward to an exciting meeting!

Markus Glatzel  
Conference chair DGNN

Bjarne Winther Kristensen  
Conference chair SNS
We would like to thank the following exhibitors and sponsors for their great support:

**Sponsors**
- KUGEL medical GmbH & Co. KG (Regensburg/DE)
- Sanofi-Genzyme GmbH (Neu-Isenburg/DE)
- Visiopharm A/S (Horsholm/DK)

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- LI-COR Biosciences GmbH (Bad Homburg/DE)
- Medac GmbH (Wedel/DE)
- Roche Diagnostics Deutschland GmbH (Mannheim/DE)
- Sanofi-Genzyme GmbH (Neu-Isenburg/DE)
- Thermo Fisher Scientific GmbH (Dreieich/DE)

**Media cooperations**
- Dustri-Verlag Dr. Karl Feistle GmbH & Co. KG (Oberhaching-Munich/DE) *Clinical Neuropathology*
- Oxford University Press (Oxford/GB) *Journal of Neuropathology and Experimental Neurology*
- Springer (New York, NY/US) *Acta Neuropathologica*

**Social evening**

**Hamburg by boat**
The social evening of the Joint-Meeting will take place on 23rd September at the MS Hammonia. Enjoy the most popular tour in Hamburg through the largest port in Germany. Experience the container port, the Port City and the canals of the historic warehouse district.

**Date**
Friday, 23 September

**Start**
Entry 19.30 | Departure 20.00

**Meeting Point**
Überseebrücke
Boat: MS Hammonia
Street name: Vorsetzen
Nearest underground station: U3 Baumwall

**End**
23.00

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<td>Christian Hagel, Klaus Pantel (Hamburg/DE)</td>
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<td><strong>Opening Ceremony</strong></td>
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<td>NO1 Drug repurposing for malignant brain tumors</td>
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<td>Rolf Bjerkvig (Bergen/NO)</td>
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<td>NO2 Molecular classification of meningiomas across all histological subtypes and grades</td>
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<td>Felix Sahm (Heidelberg/DE)</td>
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<td>15.42</td>
<td>NO3 Shh and Wnt Signalling are upregulated in human intraocular medulloepithelioma and lead</td>
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<td>to retinal tumor-like lesions in the mouse</td>
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<td>Julia Dietlmeyer (Hamburg/DE)</td>
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<td>15.54</td>
<td>NO4 Multiphoton microscopy – a new technique for label-free imaging of brain tumors</td>
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<td>Roberta Galli (Dresden/DE)</td>
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16.35–18.30 **Neuromuscular**

**Room** Lecture Hall

**Chairs** Joachim Weis (Aachen/DE)

Anders Oldfors (Göteborg/SE)

16.35 When priming of glycogen synthesis goes wrong – GSD XV

Anders Oldfors (Göteborg/SE)

17.05 Mitochondrial pathology in desminopathies: lessons from man and mice

Rolf Schröder (Erlangen/DE)

17.17 The emerging pathological and clinical diversity of congenital myasthenic syndromes

Grace McMacken (Newcastle/GB)

17.29 Neuropathology of the endoplasmic reticulum in neuromuscular diseases

Joachim Weis (Aachen/DE)

17.59 Glial neuregulin-1 regulates schwann cell pathology in Charcot-Marie-Tooth disease-1a

Ruth Martha Strassart (Göttingen/DE)

18.11 One to rule them all – proteomics towards the understanding of molecular pathogenesis in Caveolinopathies

Andreas Roos (Newcastle/GB)

18.30–20.30 **Poster Session • Muscle/Nerve and Get-Together**

**Room** Museum, Dissecting room

**Chairs** Anders Oldfors, Joachim Weiss
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<td>Why are prions neurotoxic?</td>
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<td>Adriano Aguzzi (Zurich/CH)</td>
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<td>Role proteolytic processing of the prion protein in prion disease</td>
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<td>Markus Glatzel (Hamburg/DE)</td>
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<td>Mechanism of prion protein toxicity</td>
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<td>David A. Harris (Boston, MD/US)</td>
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<td>12.00</td>
<td>Neuroinvasion of α-synuclein prionoids after intraperitoneal injection</td>
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<td>Gültekin Tamgüney (Bonn/DE)</td>
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<td>12.12</td>
<td>A dual role of PrPC in Alzheimer’s disease: Modulator of neurotoxicity or neuroprotection</td>
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<td>PR5</td>
<td>Alexander Hartmann (Hamburg/DE)</td>
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<td>13.30–15.30</td>
<td>Neuroinflammation</td>
<td>Lecture Hall</td>
<td>Trevor Owens (Odense/DK) Frank Heppner (Berlin/DE)</td>
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<td>13.30</td>
<td>Neuroprotective and regulatory microglia</td>
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<td>Apheresis therapy in multiple sclerosis patients with histopathologically classified immunopathological patterns</td>
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<td>NI2</td>
<td>Lidia Stork (Göttingen/DE)</td>
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14.12  Nogo-A neutralization by antibodies leads to enhanced axonal sprouting and myelin repair in two multiple sclerosis animal models
Benjamin Victor Ineichen (Zurich/CH)

14.24  Origin and function of CNS macrophages
Daniel Erny (Freiburg/DE)

14.39  Astrocytes-restricted NF-κB activation enhances microglial response and induces a transient neuroprotection on motor neurons during ALS disease progression
Najwa Ouali Alami (Ulm/DE)

14.51  Environment and autophagy influence the inflammatory response of microglia
Marina Jendrach (Berlin/DE)

Did you know?

Conventus is the Professional Congress Organiser for the Joint Meeting of the DGNN and SNS*

* German Society for Neuropathology and Neuroanatomy and the Scandinavian Neuropathological Society
15.30–16.30 Poster Session • Neurogeneration, Neuroinflammation
Room Museum, Historical dissecting room
Chairs Elisabeth Englund, Frank Heppner

16.30–19.00 Neurooncology
Room Lecture Hall
Chairs Rolf Bjerkvig (Bergen/NO) Christian Hagel (Hamburg/DE)

16.30 WHO classification and targeted therapies: targets beyond classification
Manfred Westphal (Hamburg/DE)

17.00 WHO classification of gliomas 2016 – practical consequences, clinical implications and new developments
Guido Reifenberger (Düsseldorf/DE)

17.30 K27M midline gliomas display malignant progression by imaging and histology
Franziska Vettermann (Munich/DE)

17.42 Migrating glioma cells express stem cell markers and give rise to new tumors upon xenografting
Bjarne Winther Kristensen (Odense/DK)

17.54 Medulloblastoma – risk-adapted treatment stratification by clinical, histological and biological factors
Stefan Rutkowski (Hamburg/DE)

18.24 Mouse models as tools to identify novel therapies for embryonal brain tumors
Ulrich Schüller (Hamburg/DE)

19.30–23.00 Social evening boat trip „MS Hammonia“
Port of Hamburg
Überseebrücke, Boat: MS Hammonia
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<td>Irina Alafuzoff (Uppsala/SE) Markus Glatzel (Hamburg/DE)</td>
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<td>Molecular biology of Alzheimer’s disease</td>
<td>ND1 Bart de Strooper (Leuven/BE)</td>
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<td>11.00</td>
<td>Molecular neuropathology associated with C9ORF72 repeat expansions</td>
<td>ND4 Manuela Neumann (Tübingen/DE)</td>
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<td>Trem2 deficiency alters Alzheimer’s disease-like pathology in mice</td>
<td>ND2 Pascale Eede (Berlin/DE)</td>
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<td>Hippocampal neuron loss and hippocampal sclerosis in the population</td>
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<td>APOE signaling is a common pathway in microglia in neurodegeneration</td>
<td>ND5 Susanne Krasemann (Hamburg/DE)</td>
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<td>Quantification of synapse loss in brains with mixed Alzheimer’s and Lewy body disease</td>
<td>ND6 Mario Dorostkar (Munich/DE)</td>
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<td>KLK8 inhibition attenuates Alzheimer’s pathology in mice</td>
<td>ND7 Arne Herring (Essen/DE)</td>
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13.30–14.00 Neurooncology
Room Lecture Hall
Chair Ulrich Schüller (Hamburg/DE)

13.30 Molecular Classification of brain tumors: NO11 an expanding repertoire of new entities
David Jones (Heidelberg/DE)

14.00–15.00 Panel discussion on novel sequencing methods in neuropathology
Room Lecture Hall
Christian Kubisch (Hamburg/DE)
Joachim Weis (Aachen/DE)
Guido Reifenberger (Düsseldorf/DE)
David Jones (Heidelberg/DE)

15.00–16.00 Award of prices
Room Lecture Hall
Jakob Price Lecture
Isidro Ferrer Abizanda (Barcelona/ES)

Werner Rosenthal Price Lecture
Karin Steinbach (Geneva/CH)

Award of poster prices
Markus Glatzel (Hamburg/DE)
Neurodegeneration

P01 α-Synuclein, demyelination, and inflammation: ménage à trois in multiple system atrophy
Alana Hoffmann (Erlangen/DE)

P02 Regenerative capacity of the olfactory epithelium in Niemann-Pick disease type C1 after a substrate reduction therapy and cyclodextrin
Anja Meyer (Rostock/DE)

P03 Synaptic pruning and microglia in phenylketonuria
Gudrun Schlegel (Hamburg/DE)

P04 Label-free multiphoton microscopy extends the neuropathological armamentarium – visualization of hippocampal sclerosis
Ortrud Uckermann (Dresden/DE)

P05 Analysis of 20 years prion gene sequencing in Germany and comparison with large control cohorts
Theo F. J. Kraus (Munich/DE)

P06 Late running is not too late against Alzheimer’s pathology
Yvonne Münster (Essen/DE)

P07 Ablation of Hdac1 and 2 in microglia ameliorates Alzheimer’s disease progression
Ori Staszewski (Freiburg/DE)

P08 Quantitative sensory testing and structural assessment of sensory nerve fibres in amyotrophic lateral sclerosis
Baris Isak (Aarhus/DK)

P09 Increased Alzheimer’s pathology in female mice might be caused by excessive KLK8
Sarah Teuber-Hanselmann (Essen/DE)

P10 ALS-linked mutant Sigma receptor-1 leads to defects in protein homeostasis and dysregulation of RNA binding proteins
Alice Dreser (Aachen/DE)

P11 The endoplasmic reticulum (ER) co-chaperone SIL1 in human sporadic and familial ALS
Alfred Yamoah (Aachen/DE)

P12 Expression of neuropeptide y and substance p in seizure-associated feline hippocampal sclerosis
Marco Rosati (Munich/DE)
P13 Vascular and metabolic changes in canine dorsal root ganglia undergoing nerve root compression
Marco Rosati (Munich/DE)

P14 Altered sorting of PrPC impacts on proteolytic processing, neuropathology and clinical onset of prion infected mice
Berta Puig (Hamburg/DE)

P15 Hot cross bun sign following bilateral anterior inferior cerebellar artery (aica) infarction – a case report
Katarina Krbot (Bad Segeberg/DE)

P16 Neuropathology of a knock-in mouse model for the lyosomal storage disease mucolipidosis II
Michaela Schweizer (Hamburg/DE)

P17 The morphometric analysis and variations of infraorbital canal in terms of surgical approach using computed tomography scans
Mustafa Büyükmumcu (Konya/TR)

P18 Depicting the role of the FT functional domains in antiprion mediated neurodegeneration
Regina Reimann (Zurich/CH)

P19 The Tau/Ala152Thr mutation, a risk factor for frontotemporal-spectrum disorders, leads to neuroinflammation, cognitive decline and NR2B receptor-mediated excitotoxicity in a novel transgenic mouse model
Astrid Sydow (Bonn/DE)

P20 Proteolytic shedding of the prion protein – physiological functions and roles in neurodegeneration
Luise Linsenmeier (Hamburg/DE)

Neuroinflammation

P21 Progranulin promotes peripheral nerve regeneration and reinnervation – role of Notch signaling
Christine Altmann (Frankfurt/DE)

P22 Early remyelination and increased conductance of ion channels do not determine the vulnerability of demyelinated axons in the cuprizone model
Verena Schultz (Glasgow/GB)
Neuromuscular biology

P23  A new early-onset myopathy associated with deficiency in kyphoscoliosis peptidase (KY)
     Carola Hedberg-Oldfors (Gothenburg/SE)

P24  ER chaperones in the pathogenesis of amyotrophic lateral sclerosis (ALS)
     Anand Goswami (Aachen/DE)

P25  Buzz groups augment the learning of histopathology competencies
     Bernd Romeike (Jena/DE)

P26  Diagnostic value of myocytic MHC-II expression in canine immune-mediated myositis (CIMM)
     Marco Rosati (Munich/DE)

P27  Motor neuron diseases – implication of AHA-1 and HSP70 chaperone complex in muscle fiber atrophy
     Priyanka Tripathi (Aachen/DE)

P28  Anatomic course and variation of femoral nerve and its branches in fetuses
     Mustafa Büyükmumcu (Konya/TR)

P29  RD-Connect – data sharing and analysis for rare disease research within the integrated platform and through GA4GH beacon and matchmaker exchange
     Andreas Roos (Newcastle upon Tyne/GB)

P30  Neuronal ceroid lipofuscinoses – revaluation of transmission electron microscopy (TEM) in the genomic era for accuracy definition of cln5, cln6, cln7 and cln8 diseases
     Inés Noher de Halac (Cordoba/AR)

Neurooncology

P31  Prognostic value of contrast enhancement and histopathological grading in diffuse gliomas depends on IDH1/2 mutation
     Ulrich Schüller (Hamburg/DE)

P32  A murine glioma model employing conditionally proliferating astrocytes
     Katharina Krueger (Marburg/DE)

P33  The role of EMT proteins in human brain vascular pericytes
     Ulrike Naumann (Tübingen/DE)
Poster

P34  The putative oncogene CPI-17 is up-regulated in schwannoma
Christian Hagel (Hamburg/DE)

P35  Overexpression of LIN28A is insufficient for brain tumor formation, but disturbs migration of hippocampal neurons during development
Valerie Meister (Munich/DE)

P36  MiR-34a-3p directly targets SMAD4, FRAT1 and BCL2 and alters proliferation and apoptosis of meningioma cells in vitro
Tamara V. Werner (Homburg/Saar/DE)

P37  Identification of interaction networks of mutant and wild-type IDH1 in glioma cell lines
Nina Overbeck (Düsseldorf/DE)

P38  PHH3 biomarker can improve the WHO classification of human meningiomas
Theo L. Winther (Trondheim/NO)

P39  Molecular and functional characterization of SMOC1 in IDH1 wild type and IDH1 mutant gliomas
Marc Maximilian Weber (Düsseldorf/DE)

P40  MCM7 is a new biomarker that can enhance the diagnostics and prognostics of human meningiomas
Theo L. Winther (Trondheim/NO)

P41  Molecular characterization of isomorphic astrocytoma
Annika Kristina Wefers (Heidelberg/DE)

P42  Characterization of the endocannabinoid system in gliomas and its implication for novel treatment concepts
Anna Henriette Eifer (Düsseldorf/DE)

P43  The prognostic role of the proliferation marker Ki-67 in gliomas taking tumor heterogeneity and MGMT status into account
Julie Amanda Bangsø (Odense/DK)

P44  The unfolded protein response in neural stem and progenitor cells
Sascha Steltgens (Düsseldorf/DE)

P45  Combined alterations in MAPK pathway genes, CDKN2A/B and ATRX characterize anaplastic pilocytic astrocytoma
Annekathrin Kratz (Heidelberg/DE)
Poster

P46  ATRX immunostaining predicts IDH and H3F3A status in gliomas  
      Jens Schittenhelm (Tübingen/DE)

P47  Comparison of chromosomal aberrations in M0 versus M+ non-WNT/non-SHH medulloblastomas  
      Tobias Goschzik (Bonn/DE)

P48  Tumor-associated microglia/macrophages predict poor prognosis in high-grade gliomas and correlate with an aggressive tumor subtype  
      Mia Dahl Sørensen (Odense/DK)

P49  MIB1 in gliomas and gliosis  
      Anne Jarstein Skjulsvik (Trondheim/NO)

P50  Integrated molecular analysis of olfactory neuroblastoma  
      Nils Engel (Hamburg/DE)

P51  Xenografts on organotypical slice cultures identify glioma initiating cells  
      Christian Eisenlöffel (Leipzig/DE)

P52  Cytotoxic effects of 4-hydroxytamoxifen in neural stem and progenitor cell cultures  
      Miriam Knühmann (Düsseldorf/DE)

P53  CD74 regulates tumor cell HLA-ligandome landscape and its expression is associated with prolonged survival in brain metastasis patients  
      Pia S. Zeiner (Frankfurt a. M./DE)

P54  Paediatric diffuse glioma in constitutional mismatch repair deficiency syndrome (CMMRD) – report of two affected sisters  
      Volkmar H. Hans (Bochum/DE)

P55  Human cytomegalovirus tegument protein pp65 is detected in all intra- and extra-axial brain tumours independent of the tumour type or grade  
      Sylwia Libard (Uppsala/SE)

P55  Characterization of genetic alterations associated with glioblastoma recurrence using next generation gene panel sequencing  
      Angela Zacher (Düsseldorf/DE)
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