

TENTATIVE PROGRAM 12th EUROPEAN CONGRESS OF NEUROPATHOLOGY



ECNP2021

Monday, 31 May 2021

09:00 Exhibit Hall Opens

12:00-13:00 Visit the Exhibition Hall and ePosters (Quick Pitch Sessions in round table rooms)

13:00 -13:15 Welcome by the Congress President – Bjarne Winther Kristensen, Copenhagen, Denmark

13:15-14:00 - Plenary Lecture 1

13:15 Chair: Bjarne Winther Kristensen, Copenhagen, Denmark (3 min)
Brain tumor diagnosis in transition - from single parameter analyses to multiomics (30+12)
Andreas von Deimling, Heidelberg, Germany

14:00-15:30 – Symposium 1: Cerebrovascular diseases

Chairs: Raj Kalara, Newcastle, UK and Kate Lykke Lambertsen, Odense, Denmark (5 min)

14:05 **S1.1 Post-stroke inflammation – target or tool for therapy (18+5)**
Kate Lykke Lambertsen, Odense, Denmark

14:28 **S1.2 White matter in familial small vessel diseases: CADASIL (18+5)**
Anne Joutel, Paris, France

14:51 **S1.3 White matter disease – small vessel pathology and more (18+5)**
Elisabet Englund, Lund, Sweden

15:13 **S1.4 (P207) Regional proteomic mapping of the human vanishing white matter brain (5+3)**
Jodie Man, Utrecht, the Netherlands

15:22 **S1.5 (P210) Volume and cell number of the hippocampus in depression, schizophrenia, and suicide subjects (5+3)**
Karl-Anton Dorph-Petersen, Aarhus, Denmark

14:00-15:30 – Symposium 2: Genetics of neurodegeneration

Chairs: Irina Alafuzoff, Uppsala, Sweden, and Colin Smith, Edinburgh, Scotland

14:05 **S2.1 Clues to the aetiology of neurodegenerative diseases from genomic analysis (18+5)**
John Hardy, London, UK

14:28 **S2.2 Pathology of genetic and sporadic Parkinson's disease (18+5)**
Steve Gentleman, London, UK

14:51 **S2.3 Genetics of MND/ALS - from genes to translational approaches (18+5)**
Pam Shaw, Sheffield, UK

15:14 Panel Discussion (15)

14:00-15:30 – Symposium 3. CNS tumor precision oncology – what is important in the neuropathological setting

Chairs: Werner Paulus, Münster, Germany and Christine Haberler, Vienna, Austria (5 min)

14:05 **S3.1 The laboratory setup needed for CNS tumor precision oncology (15+5)**
Felix Sahm, Heidelberg, Germany

14:25 **S3.2. Experience and results from a precision oncology phase I unit (15+5)**
Ulrik Lassen, Copenhagen, Denmark

14:45 **S3.3 Molecular diagnostics of brain tumors - current practice and the next frontiers (15+5)**
Sebastian Brandner, London, United Kingdom

15:05 **S3.4 (P129) Somatostatin receptor-targeted radiopeptide therapy in treatment-refractory meningioma (5+3)**

	Christian Mirian, Copenhagen/Geneva, Denmark/Switzerland	
15:13	S3.5 (P123) Diffuse midline glioma, H3 K27M-mutant (DMG,H3) with BRAF V600E mutation. Presentation of two cases treated with BRAF V600 inhibitors (5+3) Mónica Mezmezian, Buenos Aires, Argentina	
15:21	S3.6 (P194) Nanocarrier using protoporphyrin IX-loaded albumin nanoemulsion for image-guided glioblastoma therapies (5+3) Luciano Neder, Ribeirao Preto, Brazil	
15:30-15:45 – BREAK. Please visit the Exhibition Hall and ePosters		
15:45-17:15 - Workshop 1. Primary Tauopathies		
	Chairs: Gabor Kovacs, Toronto, Canada and Dennis Dickson, Jacksonville, Florida, USA	
15:50	W1.1 Overview of tau pathologies: Interactive slide session using scanned slides (20+5) Gabor Kovacs, Toronto, Canada	
16:15	W1.2 Tau pathology related to brain trauma (20+5) Colin Smith, Edinburgh, Scotland	
16:40	W1.3 (P023) Deconvolving the individual contributions of comorbid tau neuropathologies using deep learning (5+3) Anthony Vega, Dallas, Texas, USA	
16:488	W1.4 (P019) Aggregates of RNA binding proteins and ER chaperones linked to exosomes in granulovacuolar degeneration of the Alzheimer's disease brain (5+3) Alfred Yamoah, Aachen, Germany	
16:56	W1.5 (P018) Tau related changes in post mortem retina in Alzheimer's disease and other tauopathies (5+3) Jeroen Hoozemans, Amsterdam, the Netherlands	
17:04	Panel Discussion (11)	
15:45-17:15 Workshop 2. Muscle biopsy and molecular biology: a successful cooperation		
	Chairs: Lammens, Antwerpen, Belgium and Werner Stenzel, Berlin, Germany (4 min)	
15:49	W2.1 Interactive case discussions (8+5) Eleonora Aronica, Amsterdam, the Netherlands	
16:02	W2.2 Interactive case discussions (8+5) Joachim Weis, Aachen, Germany	
16:15	W2.3 Interactive case discussions (8+5) Willem de Ridder, Antwerp, Belgium	
16:28	W2.4 Interactive case discussions (8+5) Eleonora Aronica, Amsterdam, the Netherlands	
16:41	W2.5 Interactive case discussions (8+5) Wilfred den Dunnen, Groningen, the Netherlands	
16:54	W2.6 Interactive case discussions (8+5) Werner Stenzel, Berlin, Germany	
17:07	W2.7 (P206) Automated large-scale scanning transmission electron microscopy of myopathies with structural abnormalities (5+3) Carsten Dittmayer, Berlin, Germany	
15:45-17:15 – Workshop 3. Pituitary and sellar lesions		
	Chairs: Olivera Casar-Borota, Uppsala, Sweden and Henning Boldt, Odense, Denmark (5 min)	
15:50	W3.1 The 2017 WHO classification of pituitary neuroendocrine neoplasms. What have we learnt? (14+3) Olivera Casar-Borota, Uppsala, Sweden	
16:07	W3.2 Morphology meets genomics and epigenomics: should we move towards an integrated tissue diagnosis of PitNETs (14+3) Olaf Ansorge, Oxford, UK	
16:24	W3.3 Molecular pathways and targets in pituitary tumors (14+3) Marily Theodoropoulou, Munich, Germany	

16:41	W3.4 Pituitary lesions from an endocrinologist's perspective (14+3) Marianne Andersen, Odense, Denmark	
16:58	W3.5 Interactive slide-based case presentations (14+3) Olaf Ansorge, Oxford, UK	
17:15-17:30 – BREAK. Please visit the Exhibition Hall and ePosters		
17:30-18:15 - Plenary Lecture 2		
17:30-18:15	Chair: Paul Ince, Sheffield, UK (3 min) Lessons learned from brain banking for neurodegenerative diseases (30+12) Dennis Dickson, Jacksonville, FL, USA (Lecture supported by BNS and NAN)	
Tuesday, 1 June 2021		
12:00-13:00 - Visit the Exhibition Hall and ePosters (Quick Pitch Sessions in round table rooms)		
13:00-13:45 – Plenary Lecture 3		
	Chair: Eleonora Aronica, Amsterdam, the Netherlands (3 min) Brain somatic mutations in focal cortical dysplasias (30+12) Stéphanie Baulac, Paris, France	
13:45-14:00 Break. Please visit the Exhibition Hall and ePosters		
14:00-15:30 - Symposium 4. The 2021 WHO CNS tumor classification: The Fifth!		
	Chairs: Pieter Wesseling, Amsterdam/Utrecht, the Netherlands and Guido Reifenberger, Düsseldorf, Germany	
14:05	S4.1 From cIMPACT-NOW to WHO 2021 classification of CNS tumors (16+4) Pieter Wesseling, Amsterdam/Utrecht, the Netherlands	
14:25	S4.2 The WHO 2021 classification of diffuse gliomas (adult & pediatric) (16+4) Guido Reifenberger, Düsseldorf, Germany	
14:45	S4.3 The WHO 2021 classification of circumscribed gliomas and glioneuronal tumors (16+4) Dominique Figarella-Branger, Marseille, France	
15:05	S4.4 (25) Panel Discussion	
14:00-15:30 -Symposium 5. Mechanisms of brain Inflammation		
	Chairs: Hans Lassmann, Vienna, Austria, and Trevor Owens, Odense, Denmark	
14:05	S5.1 Pathways of drainage of interstitial and cerebrospinal fluids from the brain. Significance for neurological diseases (20+3) Roxana Carare, Southampton, UK	
14:28	S5.2 Immune cell interaction with the blood-brain barrier in the pathogenesis of inflammation (20+3) Britta Engelhardt, Bern, Switzerland	
14:51	S5.3 Pathology of different human inflammatory CNS diseases – an expanding spectrum (20+3) Hans Lassmann, Vienna, Austria	
15:14	S5.4 Panel discussion (15 min)	
14:00-15:30 – Symposium 6. Immuno-oncology		
14:00	Chairs: Anna Berghof, Vienna, Austria and Bjarne Kristensen, Odense, Denmark	
14:05	S6.1 The inflammatory microenvironment as a therapeutic target in glioma (16+4) Anna Berghof, Vienna, Austria	
14:25	S6.2 Genetic changes and T-cell infiltration in gliomas (16+4) Pim French, Amsterdam, the Netherlands	
14:45	S6.3 Understanding and targeting the microenvironment in IDH-mutant gliomas (16+4) Lukas Bunse, Mannheim, Germany	

15:05	S6.4 (P111) Single-cell analysis of tumor-associated microglia and macrophages from human glioblastoma (5+3) Rikke Sick Andersen, Odense, Denmark	
15:13	S6.5 (P115) Deconvolution of immunotherapy-treated glioblastoma identifies cellular heterogeneity and plasticity at the single-cell level (5+3) Josephine Deleuran Hendriksen, Copenhagen, Denmark	
15:21	S6.6 (P135) Defects of mismatch repair proteins in pediatric high grade gliomas (5+3) Christine Haberler, Vienna, Austria	
15:30-15:45 – BREAK. Please visit the Exhibition Hall and ePosters		
15:45-17:15 – Workshop 4. Slide seminar on human prion diseases: histotyping and identification of atypical phenotypes		
15:45	Chairs: Ellen Gelpi, Vienna, Austria, and Piero Parchi, Bologna, Italy	
15:50	W4.1 Interactive histotyping of CJD subtypes including genetic and atypical forms (85 minutes total) Ellen Gelpi and Piero Parchi Gelpi and Parchi	
15:45-17:15 – Workshop 5. Case discussions of CNS tumors with multi-layered information		
15:45	Chairs: Felix Sahm, Heidelberg, Germany, and David Capper, Berlin, Germany	
15:50	W5.1. Practical NGS evaluation (20+8) Felix Sahm, Heidelberg, Germany	
16:18	W5.2. Practical DNA methylation evaluation (20+8) David Capper, Berlin, Germany	
16:46	W5.3. Interactive case discussions (28) Felix & David Sahm & Capper	
15:45-17:15 – Workshop 6. Developmental neuropathology: recent advances and future challenges		
15:45	Chairs: Eleonora Aronica, Amsterdam, the Netherlands, and Karen Bonde Larsen, Copenhagen, Denmark	
15:50	W6.1 The value of postmortem examination in neurodevelopmental diseases (15+5) Homa Adle-Biassette, Paris, France	
16:10	W6.2. Interneurons in cerebral cortical developmental disorders (15+5) Jeffrey Golden, Boston, USA	
16:30	W6.3 Neuropathology of focal cortical dysplasias: 2021 update (15+5) Ingmar Blümcke, Erlangen, Germany	
16:50	W6.4 Panel Discussion (25)	
17:15-17:30 – BREAK. Please visit the Exhibition Hall and ePosters		
17:30-18:30 FREE COMMUNICATIONS I-II-III		
Wednesday, 2 June 2021		
12:00-13:00 - Visit the Exhibition Hall and ePosters (Quick Pitch Sessions in round table rooms)		
13:00-13:45 – Plenary Lecture 4		
13:00	Chair: David Scheie, Copenhagen, Denmark (3 min) The invasive behavior of glioma cells in the CNS and their biological characteristics (30+12) Rolf Bjerkvig, Bergen, Norway	
13:45-14:00 - Break. Please visit the Exhibition Hall and ePosters		
14:00-15:30 - Symposium 7. TDP-43 proteinopathies		
14:00	Chairs: Manuela Neumann, Tübingen, Germany, and Olaf Ansorge, Oxford, UK (5)	
14:05	S7.1 Neuropathology of FTLD-TDP (25+5) Ian Mackenzie, Vancouver, Canada	

14:35	S7.2 Cellular and system vulnerability in ALS (25+5) Olaf Ansorge, Oxford, UK	
15:05	S7.3 (P009) Cognitive decline in amyotrophic lateral sclerosis: neuropathological substrate and genetic determinants (5+3) Sergi Borrego-Écija, Barcelona, Spain	
15:13	S7.4 (P011) Neuroanatomy of FTD: whole-brain correlations between symptoms and pathologies (5+3) Marta Scarioni, Amsterdam, the Netherlands	
15:21	S7.5 (P033) Defining and diagnosing neurodegenerative movement disorders through integrated analysis of genetics and neuropathology (MD-GAP) (5+3) Lesley Wu, London, UK	
14:00-15:30 – Symposium 8. Myositis – clinical, morphological and differential diagnostic highlights		
14:00	Chairs: Werner Stenzel, Berlin, Germany, and Anne Schänzer, Giessen, Germany	
14:05	S8.1 Clinical diagnostic aspects in myositis (18+5) Olivier Benveniste, Parijs, France	
14:28	S8.2 Morphological diagnostic aspects in myositis (18+5) Werner Stenzel, Berlin, Germany	
14:51	S8.3 Differential diagnostic aspects in myositis (18+5) Benedikt Schooser, München, Germany	
15:14	S8.4 (P205) Differential diagnosis of vacuolar myopathies in the NGS era (5+3) Joachim Weis, Aachen, Germany	
15:22	S8.5 (P199) NanoString technology distinguishes anti-TIF-1γ+ from anti-Mi-2+ dermatomyositis patients (5+3) Josephine Radke, Berlin, Germany	
14:00-15:30 – Symposium 9. White matter and oligodendrocyte pathology: new insights in neurodevelopmental diseases and epilepsy		
14:00	Chairs: Eleonora Aronica, Amsterdam, the Netherlands, and Karen Bonde Larsen, Copenhagen, Denmark (5 min)	
14:05	S9.1 White matter pathology in vanishing white matter: the role of astroglial pathology (16+4) Marianna Bugiani, Amsterdam, the Netherlands	
14:25	S9.2 Myelin loss and oligodendrocyte pathology in tuberous sclerosis and other mTORopathies (16+4) Angelika Muehlebnner, Amsterdam, the Netherlands	
14:45	S9.3 White matter in temporal lobe epilepsy: clinico-pathological correlates (16+4) Maria Thom, London, UK	
15:05	S9.4 (P081) Mimicking white matter pathology in a 3D-nanofiber cell culture system derived from children with drug-resistant epilepsies (5+3) Victoria-Elisabeth Gruber, Vienna, Austria	
15:13	S9.5 (P082) DNA methylation-based classification of malformations of cortical development (5+3) Ingmar Bluemcke, Erlangen, Germany	
15:21	S9.6 (P080) The antiseizure and antiepileptogenic effect of matrix metalloproteinase inhibitor IPR-179 and its potential mechanisms of action (5+3) Diede W. Broekart, Amsterdam, the Netherlands	
15:30-15:45 - Break. Please visit the Exhibition Hall and ePosters		
15:45-17:15 - Workshop 7. Assessment of the contributions of mixed pathologies in the ageing brain		
15:45	Chairs: Colin Smith, Edinburgh, Scotland, and Irina Alafuzoff, Uppsala, Sweden	
15:50	W7.1 Mixed pathology in the aged demented (15+3) Johannes Attems, Newcastle, UK	
16:08	W7.2 Amygdala, a hotspot of pathology in aged (15+3) Irina Alafuzoff, Uppsala, Sweden	
16:26	W7.7 Interactive slide session using scanned slides (15) t.b.d.	
16:41	W7.3 (P037) Unique changes in gene activity in the ventral midbrain precedes dopaminergic degeneration in Parkinson's disease mouse models (5+3)	

	Pierre Garcia, Dudelange/Esch-sur-Alzette, Luxembourg	
16:49	W7.4 (P021) Subregional severity of proteinopathies in the hippocampus of late onset Alzheimer's Disease (AD) and Dementia with Lewy Bodies (DLB) patients (5+3) Sonja Fixemer, Dudelange/ Belval, Luxembourg	
16:57	W7.5 (P026) Limbic-predominant age-related TDP-43 encephalopathy (LATE) in a cohort of patients with dementia: evidence of an early phase of hippocampal sclerosis (5+3) Alicia Uceda Heras, Madrid, Spain	
17:05	W7.6 (P022) Diabetes is associated with vascular dementia, not Alzheimer's disease or Lewy body dementia (5+3) Keivan Javanshiri, Lund, Sweden	
15:45-17:15 – Workshop 8. Progress in the pathological diagnosis of pediatric and adult CNS tumors		
15:45	Chairs: Pietsch, Bonn, Germany, and Dominique Figarella-Branger, Marseille, France	
15:50	W8.1. Molecular pathology of epilepsy-related low-grade lesions (15+5) Tom Jacques, London, UK	
16:10	W8.2 Modern diagnostics of ependymal tumors (15+5) Dominique Figarella-Branger, Marseille, France	
16:30	W8.3 Differential diagnostics of primitive "embryonal" tumors (15+5) Torsten Pietsch, Bonn, Germany	
16:50	8.4. (P118) EpiDiP.org: an open access epigenomics diagnostic resource (5+3) Juergen Hench, Basel, Switzerland	
16:58	W8.5 (P102) Establishment of Droplet Digital™ PCR (ddPCR™) for rapid molecular diagnostics of brain tumors (5+3) Guido Reifenberger, Düsseldorf/Heidelberg, Germany	
17:06	W8.6 (P127) Identification of two main subgroups among posterior pituitary tumors associated with histology, MAPK/PI3K mutations, epigenetic regulator mutations, CNV and outcome (5+3) Simone Schmid, Berlin, Germany	
15:45-17:15 – Workshop 9. B cells in inflammatory demyelinating diseases		
15:45	Chairs: Hans Lassmann, Vienna, Austria, and Trevor Owens, Odense, Denmark	
15:50	W9.1 B-cell inflammation in MS (14+3) Marvin van Luijn, Rotterdam, the Netherlands	
16:07	W9.2 Roles of B-cells in MS and potential consequences for therapy (14+3) Amit Bar-Or, Philadelphia, USA	
16:24	W9.3 Antibody mediated autoimmune diseases of the nervous system (14+3) Romana Höftberger, Vienna, Austria	
16:41	W9.4 MOG encephalomyelitis and NMO/D – insights from animal models (14+3) Trevor Owens, Odense, Denmark	
16:58	W9.5 The CD20+ T cell: a wolf in sheep's clothing? (14+3) Marina von Essen, Copenhagen, Denmark	
17:15-17:30 – BREAK. Please visit the Exhibition Hall and ePosters		
17:30-18:30 - FREE COMMUNICATIONS IV-V-VI		
Thursday, 3 June		
11:30-13:00 ISN Business Meeting (For ISN Council & Executive Committee only (upon invitation))		
12:00-13:00 - Visit the Exhibition Hall and ePosters (Quick Pitch Sessions in round table rooms)		
13:00-13:45 Plenary Lecture 5		
	Chair: Joachim Weis, Aachen, Germany (3 min) Polyglucosan storage in muscle and brain - disease entities and pathogenesis (30+12) Berge Minassian, Dallas, USA	
13:45-14:00 BREAK. Please visit the Exhibition Hall and ePosters		

14:00-15:30 Symposium 10. Neuropathology training, Courses and Examination (EFN) in Europe		
14:00	Chairs: Tibor Hortobagyi, Debrecen/Szeged, Hungary and Wilfred den Dunnen, Groningen, the Netherlands	
14:05	Round-table' discussion, with lecturers and participants of Euro-CNS courses, examiners and candidates of EFN examinations. Neuropathology training across Europe: the current situation and challenges of the future	
14:00-15:30 - S11. Intratumoral heterogeneity		
14:00	Chairs: Rolf Bjerkvig, Bergen, Norway, and Hrvoje Miletic, Bergen, Norway	
14:05	S11.1 Longitudinal molecular trajectories of diffuse glioma in adults (14+3) Roel Verhaak, Farmington, Connecticut, USA	
14:22	S11.2 Epigenomic contribution to glioblastoma heterogeneity (14+3) Adelheid Woehrer, Vienna, Austria	
14:39	S11.3 Role of intrinsic tumor plasticity and microenvironment in creating intratumoral heterogeneity in glioblastoma (14+3) Anna Golebiewska, Luxembourg, Luxembourg	
14:56	S11.4 Brain tumor invasion into the CNS - mechanisms of action (14+3) Rolf Bjerkvig, Bergen, Norway	
15:13	S11.5 (P095) Subependymoma of the posterior fossa may progress to ependymoma: Role of TERT mutation, loss of chromosome 6 and methylome alterations (5+3) Christian Thomas, Münster, Germany	
15:21	S11.6 (P128) Integrated analysis of molecular alterations and immune cell infiltration in primary and recurrent glioblastomas (5+3) Jeanette Krogh Pedersen, Odense, Denmark	
14:00-15:30 – Symposium 12. Dynamic aspects of amyloid-β		
	Chairs: James Nicoll, Southampton, UK, and Zane Jaunmuktane, London, UK	
14:05	S12.1 The relationship between spreading and maturation of amyloid-b pathology in AD (15+5) Dietmar Thal, Leuven, Belgium	
14:25	S12.2 Evidence for the person to person transmissibility of amyloid-β. (15+5) Zane Jaunmuktane, London, UK	
14:45	S12.3 Removal of amyloid-β from the brain by immunotherapy (15+5) James Nicoll, Southampton, UK	
15:05	S12.4 (P017) Alzheimer's disease neuropathological change and loss of neuropil and matrix in idiopathic normal pressure hydrocephalus, a model of Alzheimer's disease (5+3) Sylwia Libard, Uppsala, Sweden	
15:13	S12.5 (P020) The coarse-grained plaque: a divergent Aβ plaque-type in early-onset Alzheimer's disease (5+3) Baayla Boon, Amsterdam, the Netherlands	
15:21	S12.6 (P024) Systemic infection exacerbates cerebral hypoperfusion and blood-brain-barrier breakdown in Alzheimer's disease and vascular dementia (5+3) Daniel Asby, Bristol, UK	
15:30 – 15:45 BREAK. Please visit the Exhibition Hall and ePosters		
15:45-17:15 – Symposium 13. COVID-19 and neuropathology		
15:45	Chairs: Safa Al-Sarraj, London, UK, and Markus Glatzel, Hamburg, Germany	
15:50	S13.1 Brain pathology of COVID-19 (20+3) Markus Glatzel, Hamburg, Germany	
16:13	S13.2 COVID-19 encephalitis; the pathological evidence (20+3) Safa Al-Sarraj, London, UK	
16:36	S13.3 (P234) Olfactory transmuscular SARS-CoV2- invasion as port of CNS entry in COVID-19 (7+3) Jenny Meinhardt, Berlin, Germany	
16:46	S13.4 (P231) Post infectious myopathy related to COVID-19 (7+3) Leila Chimelli, Rio de Janeiro, Brazil	

16:45	Panel discussion (19)	
17:15-17:30 – BREAK. Please visit the Exhibition Hall and ePosters		
17:30-18:15 Plenary Lecture 6		
	Chair: Eva Løbner Lund, Copenhagen, Denmark (3 min) Deciphering phenotypic variability and transmission properties of human prion diseases (30+12) Piero Parchi, Bologna, Italy	
18:15-18:30 Prizes and Closure		