

ean
congress

7th Congress of the
European Academy
of Neurology

virtual
2021

June 19 – 22

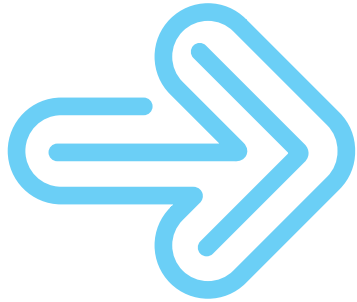
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Towards Precision Neurology

Abstract submission deadline
13 January 2021
www.ean.org/congress2021

 **ean**
european academy of neurology

Preliminary Programme
and Call for Abstracts



ABSTRACT SUBMISSION DEADLINE
13 January 2021

**ABSTRACTS MUST BE
SUBMITTED ONLINE:**
www.ean.org/congress2021

Organised by

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of Neurology

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Co-organised by

Austrian Society of Neurology



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*) Enter the code 10VIRTUAL for 10% off the registration fee.
Promotion valid until 15.01.2021.
All information included in this booklet is subject to changes.

Going Virtual

Going Virtual

After the success of the virtual EAN Congress of 2020, the European Academy of Neurology has decided that the current global health situation has not stifled interest in state-of-the-art research and continuing education in neurology. In fact, the opposite is true. With almost 45,000 congress participants in our virtual congress last year, we are happy to be able to offer this opportunity once again. Together with our trusted delegates, partner societies and corporate industry partners, the European Academy of Neurology aims to bring the virtual congress experience to new levels.

We agree with leading health organisations that the health of our families,

friends, colleagues, and patients, especially those who are vulnerable, lies at the top of our concerns. Across the globe, meetings are shifting to online platforms and as all in-person gatherings of large crowds are currently discouraged, we are all thankful for the existing technology that allows us to connect no matter where we are.

The European Academy of Neurology is committed to bringing together leading experts in the field of neurology to exchange ideas, share the latest studies and grow their professional network. In the summer of 2021, we welcome you to join us once again from the comfort of your own home!

Towards Precision Neurology

Welcome to Vienna

Dear Colleagues and Friends,

we look forward to welcoming you to the 7th Congress of the EAN, which takes place from **June 19 to 22, 2021**, originally to be held in Vienna. With the current situation around the COVID-19 pandemic, EAN has decided to go virtual again.

Vienna is the capital of Austria and is renowned for its historic and striking architecture, as well as its rich cultural heritage and modern cosmopolitanism. Neurology as a discipline in Austria dates back to the mid-19th century, with the founding of its first department of neurology in 1846 and the world's first neurosciences institute in 1882 in Vienna. Since that time Austria has been at the forefront of neurological advances, and has produced numerous historically eminent researchers, such as T. von Meynert, C. Wernicke, H. Obersteiner, O. Marburg, S. Freud, J. Wagner-Jauregg, R. Barany, O. Loewi, E. Sträussler, J. v. Economo, P. Schilder and many others.

It is the combination of rich culture, highly developed infrastructure and neurological history that would have made Vienna an ideal city to host the EAN's 7th Congress. While this cannot be realised in-person due to the uncertainties linked to the pandemic, EAN attempts to keep the congress design, programme and charm in the context of Austria.

The Overarching Theme of this year's congress will be **Towards Precision Neurology**, which will be a red thread throughout the congress programme. Because precision neurology spans from epidemiology to genetics, body fluid biomarkers and imaging in diagnosis and prognosis of rare and common neurological disorders as well as to targeted treatments based on personalized decisions and supported by new technologies, such as artificial intelligence, this overarching theme will be in the focus of many sessions. It may engage the interest of all neurologists, being clinicians or scientists, general or specialized neurologists, younger or more advanced generations.

On behalf of the *EAN* and the *Austrian Society of Neurology* we invite you to join us for the congress in 2021 and extend you our warmest welcome to what promises to be an outstanding congress in an extraordinary setting.

Claudio Bassetti
President

Tony Marson
*Chairperson Programme
Committee*

Thomas Berger
*Chairperson Local
Organising Committee*



Committees

EAN Board

Claudio Bassetti, Switzerland
President

Paul A. J. M. Boon, Belgium
President elect

Franz Fazekas, Austria
Past President

Elena Moro, France
Secretary General

Marie José Vidailhet, France
Treasurer

Dafin Fior Muresanu, Romania
Chair Communication Committee

Riccardo Soffietti, Italy
Chair Education Committee

Tony Marson, United Kingdom
Chair Programme Committee

Thomas Berger, Austria
Chair Scientific Committee

Matthias Endres, Germany
Member at Large

Local Organising Committee

Thomas Berger, *Chair*

Julia Ferrari, Elisabeth Fertl
Christian Enzinger, Stefan Kiechl
Walter Struhal, Eugen Trinka
Jörg Werber, Tim von Oertzen
Fritz Zimprich

Programme Committee

Tony Marson, United Kingdom, *Chair*
Thomas Berger, Austria, *LOC Chair*

Stefan Evers, Germany
Urs Fischer, Switzerland

Sten Fredrikson, Sweden
Dan Healy, Ireland

Ulf Kallweit, Germany
Reetta K. Kälviäinen, Finland
Caroline Pot-Kreis, Switzerland

Antonio Toscano, Italy
Riccardo Soffietti, Italy (*Chair Education Committee*)

Irena Rektorova, Czech Republic
(*Chair Teaching Course Sub-Committee*)

Walter Struhal, Austria
(*Ethics & Quality TF representative*)

Salimata Gassama, France (*RRFS representative*)
Angelo Antonini, Italy (*MDS-ES representative*)

Teaching Course Sub-Committee

Irena Rektorova, Czech Republic, *Chair*

Celia Oreja-Guevara, Spain
Davide Pareyson, Italy
Erich Schmutzhard, Austria

Ambra Stefani, Austria
Roland Wiest, Switzerland

David García Azorín, Spain (*RRFS representative*)
Cristian Falup Pecurariu, Romania

(*MDS-ES representative*)
Maria Stamelou, Greece
(*Ethics & Quality TF representative*)

Registration

To register for the congress, please log in on www.ean.org/congress2021 with your MyEAN log-in data and update your personal profile OR create a new account in case you do not have one yet. Click on the “Register Now” button in the slider on top of the page OR go to MyEAN and click on the tab “Congress Registration”. In the registration area you will be able to register to the congress as individual or a group.

If you wish to become an EAN Individual Member and benefit from reduced registration fees, please apply for membership first and kindly await approval of your application.

Please note that only those who have submitted their complete membership application before or by **21 April 2021** can benefit from the congress fee for members. Everyone who applies for membership after 21 April has to pay the full congress registration fee.

If you need help with your EAN profile or have questions regarding your membership status, please contact headoffice@ean.org.

If you have any queries regarding congress registration, please contact registration@ean.org.

The registration fee for participants includes:

- access to all sessions
- abstract submission
- congress package (upon availability)
- access to Industry Network Area and industry sponsored programme
- session webcasts on demand after the congress

Registration Fees

Non-member (high income) ³⁾	€ 250
Non-member (low/middle income) ⁴⁾	€ 120
Associate Member ⁵⁾	€ 200
Fellow of EAN, Full Member, Corresponding Member (high income) ¹⁾	€ 70
Fellow of EAN, Full Member, Corresponding Member (low/middle) ^{1) 2)}	€ 30
Resident and Research Member (low/middle income) ^{1) 6)}	€ 30
Student Member ^{1) 2)}	€ 0
Corresponding Institutional Member ⁵⁾	€ 30
Hinari group A and B ⁷⁾	€ 30
Group registration p.P. ⁸⁾	€ 250



Cancellation Terms

All cancellations need to be mailed to registration@ean.org.

Refunds of registration fees will be processed as follows:

- before and on Wednesday, 31 March 2021:
75% refund (25% handling fee)
- between Thursday, 1 April 2021 and Wednesday, 5 May 2021:
50% refund (50% handling fee)
- after Thursday, 6 May 2021:
no refund

Administration fee for any changes is € 50 incl. VAT.

The entire terms and conditions for individual and group registrations can be downloaded on the website.

Save 10% on the registration fee with the discount code **10VIRTUAL!**

All prices include 20% Austrian VAT.

¹⁾ Only valid, if you have submitted your complete membership application before **21 April 2021**.

²⁾ EAN Members from lower-middle/upper-middle countries (according to the World Bank).

³⁾ Associate Members (high income) from national neurological societies from: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands, United Kingdom.

⁴⁾ Associate Members (lower-middle/upper-middle income) from national neurological societies from: Albania, Armenia, Azerbaijan, Belarus, Bosnia & Herzegovina, Bulgaria, Croatia, FYRO Macedonia, Georgia, Kazakhstan, Kosovo, Kyrgyz Republic, Moldova, Montenegro, Romania, Russian Federation, Serbia, Turkey, Ukraine, Uzbekistan.

⁵⁾ Participants from Algeria, Egypt, Jordan, Lebanon, Libya, Mauritania, Morocco, Nepal, Palestine, Syria, Tunisia.

⁶⁾ Students must be EAN Student members; PhD students/residents must be members of the EAN Resident and Research Fellow section

(see https://www.ean.org/Resident-and-Research-Member_3802.0.html). Application before **21 April 2021** is necessary.

⁷⁾ Neurologists from countries belonging to the HINARI Group A and B list of countries as established by WHO www.who.int/hinari/eligibility/en/ may apply.

⁸⁾ This price is valid for individual group members if you buy a group contingent. If the names of group members are available, membership fees apply.

Virtual Congress Platform

In 2021, EAN brings the congress to you! The EAN Virtual Meeting Platform is the heart of the virtual congress. On www.eanvirtualcongress.com, you will find the complete congress programme including the interactive programme planner, all livestreams, interactive sessions and the ePoster area. Additionally, you can find the EAN Social and Creative Areas, and the exhibition area including industry sponsored content and society booths.

Congress Programme plus livestreams

The full EAN Congress Programme including all scientific and educational sessions will be livestreamed during the announced timeslots. See programme overview on page 22 - 25. With our interactive programme planner you will be able to create your individual session overview which you can also download to your calendar. The platform also gives access to the webcasts of the previous congress years during the congress.

Join us at the virtual EAN Booth

At the Virtual EAN Congress Booth, you will be able to connect with EAN Staff for all questions related to the different parts of EAN. There will be dedicated hours for live chats and Q&A. More detailed information will be published on the EAN Congress website.

ePoster area

In the ePoster Area, all accepted ePosters and ePresentations are presented and participants can contact the authors if any questions arise!

Industry Network Area

Find the latest pharmaceutical insights, meet with industry representatives via videochat or join “Meet the Expert” Sessions in our sponsor’s Industry Network Areas at the EAN Congress 2021 from anywhere in the world.

Social Area

Due to popular demand, we have created a dedicated Social Area for EAN Congress participants. You will be able to connect to your peers over your common topics of interest and meet the experts in your field.

TV Studio

This year EAN will provide highlights, wrap-ups and entertainment via its TV-Studio broadcasting live from Vienna. Grab your morning coffee and get to know the highlights of the day or let us end the day together with a “sundowner” reflecting on the congress day’s highlights. You can expect not only entertainment but also valuable information in this new feature area.

Creative Area

Tired of learning? Come to the EAN creative area to relax, create memories and find fun, games and crafts – for you and your kids. EAN cares!

Use the virtual #printer to post your #EAN2021 photos and watch how they are printed at the EAN Head Office, ready to be picked up at next year’s congress!

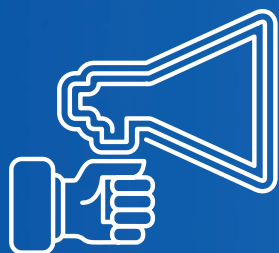
Check out the EAN Junior suite, where we will offer many items for our future junior neurologists.



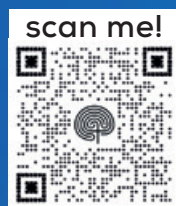
Ean NEuro-covid ReGistrY (ENERGY)

The European Academy of Neurology has set up a global registry to shed light on the burden and general characteristics of neurological complications related to COVID-19 outbreak and the association of these complications with the demographic and clinical features of the affected individuals.

The Ean NEuro-covid ReGistrY (ENERGY) has already had interest from hundreds of sites across the globe and has agreed on data sharing with several existing national and international multicentre COVID-19 studies around the world.



Representatives from clinical sites are welcome to collaborate and can request information on accessing the site by scanning the QR-Code below.



www.ean.org



General Information

CME Accreditation

An application has been made to EACCME for CME accreditation of this event.

Congress Package

All printed promotion material and goodies will be sent in a physical EAN Congress package to a limited number of congress participants in Spring 2021.

Congress Website

www.ean.org/congress2021

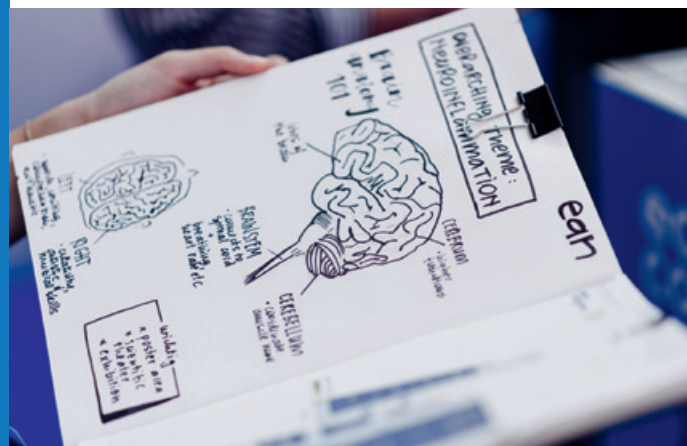
The congress website is updated on a regular basis and will give latest details on the scientific programme and other important congress information.

Opening Session

Join us for our Opening Session on Friday evening to celebrate the start of the 7th EAN Congress!

Friday, 18 June 2021 – 18:30 CEST

The Opening Session will be chaired by the EAN president, Programme Committee chair and LOC chair. The Opening lecture will be held by Jürgen Knoblich, and is followed by a welcoming act! We look forward to welcoming you to the congress!



Call for Abstracts

The Programme Committee welcomes the submission of abstracts on any neurological topic (see page 15). There are two types of presentations, oral platform presentation and ePoster (divided into subcategories).

Please note that all presentations will be held virtually. Details on the specific presentation format will be given with the individual acceptance letters and on the EAN website.

If you do not want to give a platform presentation, please select “poster only” when submitting your abstract. If you have no special preference, please select “poster or oral”. Authors will be notified of the method of presentation in March 2021, which will be decided by the Programme Committee. Accepted abstracts will be published in a supplement to the *European Journal of Neurology*, on the congress website 1 day prior to the congress, provided that the Programme Committee considers them suitable for publication.

Abstracts must be submitted via your MyEAN profile. Please login/register with your MyEAN user information, go to the MyEAN User Area and click on the tab “Abstract Submission”.

If you need help, please contact EAN Head Office at abstracts@ean.org.

Abstracts cannot be accepted if sent by fax or email.

Guidelines for Submission

1. The abstract should contain new information, and should be as informative as possible:
 - a state specific object of study
 - b state method used if pertinent
 - c summarise results obtained
 - d state conclusions reached
 - e avoid general statements (e.g. “results will be presented”)
2. Abstracts should be structured with the subheadings: Introduction, Methods, Results, Conclusion.
3. Abstracts must be submitted in English. Standard abbreviations may be used.
4. Abstract length must not exceed 250 words (heading excluded).
5. A maximum of 3 abstracts per presenting author may be submitted.
6. Inclusion in the Scientific Programme and Abstract Volume depends on (punctual) payment of registration fees.

ALL abstracts will be checked using a plagiarism software.

Abstract Topics

1	Ageing and dementia
2	Autonomic nervous system
3	Cerebrovascular diseases
4	Child neurology/developmental neurology
5	Clinical neurophysiology
6	Cognitive neurology/neuropsychology
7	Critical care
8	Education in neurology
9	Epilepsy
10	Ethics in neurology
11	Headache and pain
12	History of neurology
13	Infectious diseases
14	Motor neurone diseases
15	Movement disorders
16	MS and related disorders
17	Muscle and neuromuscular junction disease
18	Neuroepidemiology
19	Neurogenetics
20	Neuroimaging
21	Neuroimmunology
22	Neurological manifestations of systemic diseases
23	Neurology and arts
24	Neuro-oncology
25	Neuro-ophthalmology/neuro-otology
26	Neurorehabilitation
27	Neurotoxicology/occupational neurology
28	Neurotraumatology
29	Peripheral nerve disorders
30	Sleep disorders
31	Spinal cord and root disorders
32	COVID-19

**ABSTRACT SUBMISSION
DEADLINE**
13 January 2021

**ABSTRACTS MUST
BE SUBMITTED ONLINE:**
www.ean.org/congress2021

Bursaries

Because it is our goal to promote neurology across the world, we invite you to join us as a **RESIDENT & RESEARCH MEMBER** no matter which country you come from!

rrfs@ean.org

Due to the uncertainty and restrictions around travel for 2020 and the foreseeable future, the bursary grant has been adapted as follows. For the congress in 2021, bursaries consist of a free registration to the 2021 and the 2022 congress. This includes access to the webcasts during and until two weeks after each congress. EAN offers 240 bursaries in 2021.

Eligibility

Eligible are EAN Resident and Research Members from EAN member countries. For further information, please check our RRFS page www.ean.org/rrfs.

It is also possible for RRFS members from Algeria, Egypt, Jordan, Lebanon, Libya, Mauritania, Morocco, Nepal, Palestine, Syria and Tunisia as well as from sub-Saharan countries belonging to the HINARI Group A list of countries as established by WHO (www.who.int/hinari/eligibility/en/) to apply for bursaries.

Tournament for Neurologists in Training

A tournament for neurologists in training will take place. The tournament will be carried out in two groups, one on clinical related research, and one on basic neurological science.

Participation

- Eligible are EAN Resident and Research Members. For further information, please check our EAN RRFS membership package.
- The participant must be the first author of the abstract submitted.
- During abstract submission, candidates must state that they wish to participate in the tournament and select the group (clinical/basic).
- Applications will be accepted until the abstract submission deadline, 13 January 2021.

Selection of candidates

The EAN Programme Committee will select 6 candidates for each tournament group based on the contents of the abstracts submitted. The clinical subjects must be received from authors who work in Europe and thus carry out their projects in Europe. For the basic science session, clinical relevance will be weighted.

Financial Support

Candidates selected for the tournament will receive a bursary consisting of free registration to the congress 2021.

Presentation

Each selected candidate is allotted 10 minutes for presentation of his/her paper plus 5 minutes for discussion with the jury. In addition, each paper will be presented within the oral session of the respective topic. The winners will present their work during the Plenary Highlight Session on Tuesday morning.

Jury

Members of the Programme, the Scientific and the Teaching Course Committees.

Evaluation

Candidates will be judged not only on the scientific value of the work presented, but also on the quality of the oral presentation and the way the candidate responds to the questions of the jury.

Prize

The winner of each group will receive a prize consisting of 1000 € in cash and a certificate. Two runner-up prizes in each tournament will be awarded 500 € in cash and a certificate.



Investigator Award

Investigator Award

All free presentations (oral presentations, ePresentations, ePosters) selected for presentation at the 7th EAN Congress 2021 will automatically take part in the selection of an Investigator Award. The award for the 20 best presentations will be a free registration to the 8th EAN Congress, a certificate and the winners will be announced on www.eanpages.org. The award will be given to the first author, who needs to be the person to present the work at the congress.

The EAN Scientific Panels together with the Scientific and Programme Committees will be responsible for the evaluation process before as well as during the congress.



CARING FOR THE ENVIRONMENT



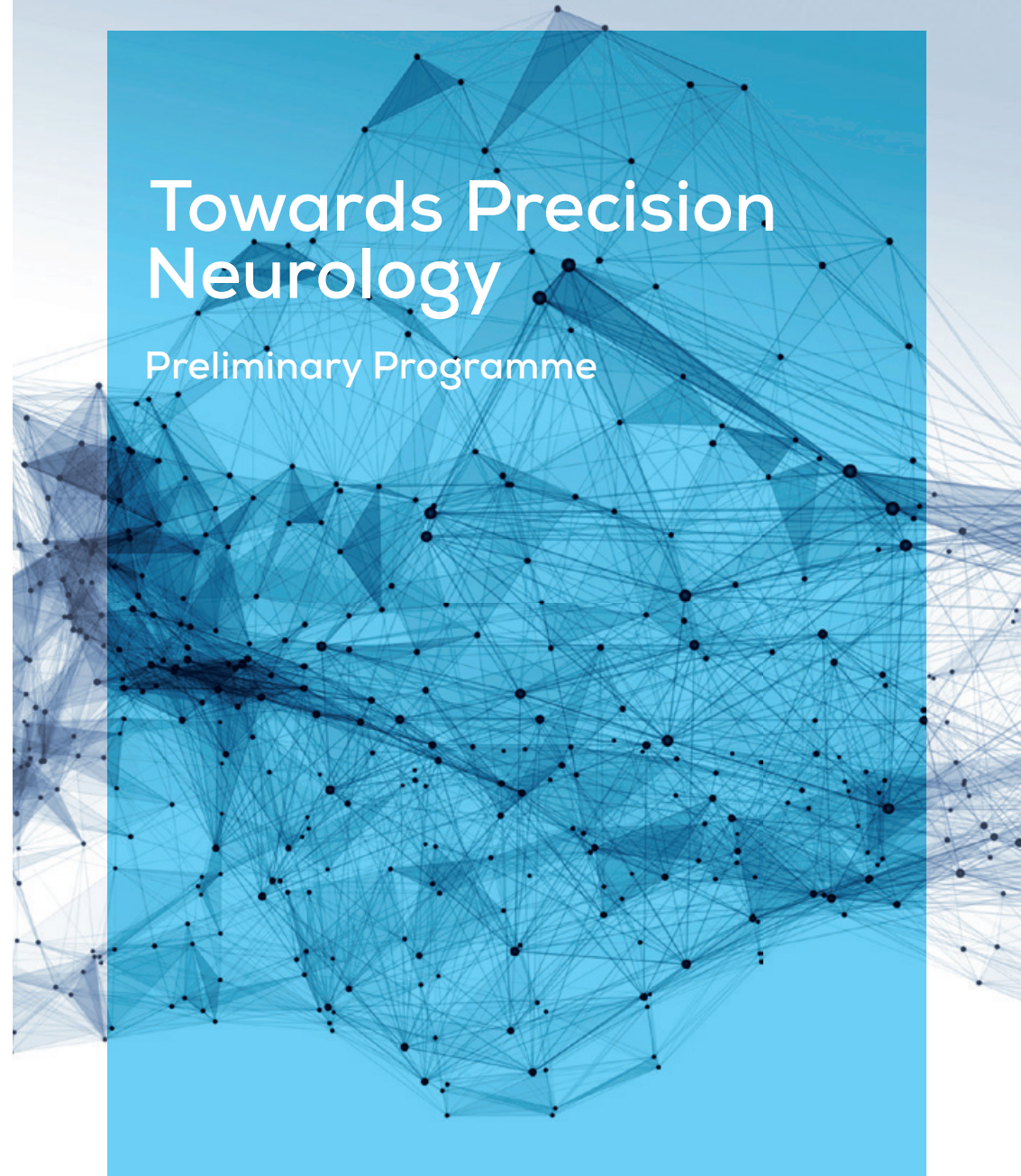
Green print - Any material for the Congress printed on paper that is PEFC approved. PEFC is an organisation that certifies paper manufacturers who keep to sustainable forest management criteria.



Reducing print - In 2021 no paper programme will be produced. The complete programme can also be found online in the Interactive Programme Planner (IPP) and on our congress app and you can create your individual schedule & abstract book.

Towards Precision Neurology

Preliminary Programme



Session Descriptions

Scientific sessions

SYMP

Plenary Symposia

One Plenary Symposium per day is scheduled, with no other session held in parallel. During these four sessions, outstanding speakers will present the Opening lecture, Named Lectures, the most relevant topics within the Overarching congress theme and the highlights of the congress.

Symposia

are scheduled on each congress day and will last 2 hours each. Lecturers will give general information on the main topics of the congress.

FW

Focused Workshops

will be held in the morning and last for 1.5 hours. They cover narrow topics and aim to promote discussion around new ideas, evidence or theories. Ample time for discussion will be provided.

SpS

Special Sessions cover topics of special interest.

Educational sessions

TC

Teaching Courses

are held on each congress day in the afternoon and last for 3 hours (incl. coffee break). They are interactive with opportunity for participants to ask questions. All TCs are aimed primarily at a post-graduate audience.

There are 3 levels of TCs:

Level 1 (Introductory):

For neurologists in training, or those wishing to update their basic knowledge and can also be suitable for undergraduates or general trainees with a particular interest.

Level 2 (standard):

Assumes familiarity with basic clinical knowledge and practice, aimed at specialist trainees or practitioners wishing to update and further develop their knowledge.

Level 3 (advanced):

Aimed at specialist trainees or practitioners covering the latest advances of particular interest to a specialist audience.

PL

Practical Lessons (former HoC)

are dedicated to a practical demonstration of certain skills, machines, devices or programmes. The presenters in each session will start with an introduction followed/supported by videos showing the demonstration related to the course outline.

CbW

Case-based Workshops

are to support knowledge and practice in clinical diagnosis and management in a format which requires the attendees to actively participate, with opportunities for direct discussion/contact with leading experts to discuss the presented cases.

Session Descriptions

CONT

Controversy Sessions

allow to give a critical overview of the current and most recent advances on key topics, share knowledge, stimulate debate and forge opinions on controversial issues of clinical care, research, educational practice and therapy.

IaS

Interactive Sessions

These sessions are based on case presentations including interactive voting via a polling system.

The opinions of colleagues will be collected and integrated in the live summary.

EAN BrainChallenge

The session will give a platform for interactive learning using quiz questions. To participate in the competition, you have to give the correct answer to 16 case presentations in a short time.

Clinical Grand Rounds

In this session, highly experienced neurologists will interview and examine real patients with difficult or complex neurological conditions. They will discuss the clinical diagnosis, request and review all available diagnostic tests and will end by formulating a final diagnosis.



To receive a certificate of attendance, the evaluation of each visited course has to be completed and sent via the ean Virtual Congress Platform.

Saturday, 19 June 2021

Start	End	Session	
08:00	09:30	CbW 1	MDS-ES: The unknown that we should know
08:00	09:30	FW 1	MS-related fatigue - tired of inflammation?
08:00	09:30	FW 2	New therapeutic approaches in rare neurological diseases
08:00	09:30	FW 3	Aetiology-driven therapy in epilepsy: From bedside to bench
08:00	09:30	FW 4	EAN/MDS-ES: The role of the muscle acetylcholine receptor isoforms in myasthenic syndromes
08:00	09:30	FW 5	Precision medicine in neurointensive care
08:00	09:30	FW 6	Infections as triggers on autoimmunity
08:00	09:30	FW 7	New developments in understanding disorders of language
08:00	09:30	PL 1	Novel Headache Treatments
08:00	09:30	laS 1	EAN/MDS-ES: Stiff people: On spasticity and beyond (Level 3)
08:00	09:30	SpS 1	COVID19 Session
09:30	10:00		Forum talks
10:00	10:30	3DS	3-day-Sat.Session
10:00	12:00	SYMP 1	5 Presidents Symposium Future of Sleep Medicine
10:00	12:00	SYMP 2	Updates in innovative diagnostic methods for Parkinson's disease
10:00	12:00	SYMP 3	EAN/ILAE-EUROPE: Post stroke epilepsy - on the way to precision neurology
10:00	12:00	SYMP 4	Are we able to prevent some symptoms in neurogenetic disorders?
10:00	12:00	SYMP 5	EAN/EAPC: Personalised palliative care for chronic progressive neurological disease
10:00	12:00	SYMP 6	EAN/EANO: Precision Neuro-oncology
10:00	12:00	SYMP 7	Disorders of Spatial Orientation and Navigation
12:15	14:45	SAT	Satellite Symposium
13:15	13:45	3DS	3-day-Sat.Session
14:45	15:45	PL 2	Needle electromyography (Level 1)
15:00	16:30	CbW 2	Stroke mimics and stroke chameleons
15:00	16:30	OS	Oral Session
15:00	16:30	SpS 2	EAN/MDS-ES: European Basal Ganglia Club
15:00	16:30	SpS 3	Afrika Task Force: Neuro-Covid across the continents
15:00	16:30	SpS 4	Rare Diseases: Precision Medicine and Rare neurological disorders
15:00	18:15	TC 1	Basics of sleep medicine (Level 1)
15:00	18:15	TC 2	Psychogenic non-epileptic seizures (PNES): Chameleon and challenge (Level 2)
15:00	18:15	TC 3	Antibodies: from autoimmune encephalitis to demyelinating myelopathies (Level 2)
15:00	18:15	TC 4	Diagnosis and treatment of vestibular and ocular motor disorders (Level 2)
16:00	18:00	PL 3	Special indications for neurosonology examination (Level 3)
16:15	16:45	3DS	3-day-Sat.Session
16:45	18:15	laS 2	BrainChallenge
16:45	18:15	OS	Oral Session
16:45	18:15	SpS 5	EBC: More than a gut feeling: The gut brain axis in neuroinflammation and neurodegeneration

Sunday, 20 June 2021

Start	End	Session	
07:15	07:45	SAT	Early Bird Satellite Session
08:00	09:30	CbW 3	Diagnosis and management of uncommon causes of refractory status epilepticus
08:00	09:30	FW 8	Precision medicine in stroke - where are we?
08:00	09:30	FW 9	Emerging and future diagnostics in Alzheimer's disease and dementia
08:00	09:30	FW 10	EAN/MDS-ES: Experimental therapies for rare movement disorders
08:00	09:30	FW 11	Focus on Biomarkers in Common Diseases?
08:00	09:30	FW 12	Immune checkpoint inhibitors: a step towards precision neurology
08:00	09:30	FW 13	EAN/PNS: Forty years of anti-nerve antibodies in neuropathy: still moving on.
08:00	09:30	PL 4	Neurophysiological Means for Evaluation of Sensory Deficit
08:00	09:30	laS 3	Not everything is neuro-covid – don't forget the others in a moving world
08:00	09:30	OS	Oral Session
08:00	09:30	SpS 6	New Neurological Guidelines
09:30	10:00	3DS	3-day-Sat.Session
10:00	12:00	PLEN 2	Presidential Symposium (Brain Prize and Named Lectures Lecture)
12:15	14:45	SAT	Satellite Symposium
12:30	13:30		EFNA Session
13:00	14:30		Challenges for women in neurology (Lunch Session)
13:15	13:45	3DS	3-day-Sat.Session
15:00	16:30	CbW 4	Laboratory diagnostic methods in neuroinfections (Level 2)
15:00	16:30	CdS 1	How to develop a career in the field of Muscle and Neuromuscular junction disease
15:00	16:30	laS 4	Precision medicine in the management of hemorrhagic stroke
15:00	16:30	SpS 7	Grand Round Session
15:00	16:30	T	Tournament Basic
15:00	18:15	OS	Oral Sessions
15:00	18:15	TC 5	Movement disorders in systemic diseases (Level 2 or 3)
15:00	18:15	TC 6	How to examine cognition in everyday clinical practice? (Level 3)
15:00	18:15	TC 7	Management of migraine (Level 2)
15:00	18:15	TC 8	Paraneoplastic neurological syndromes in 2021: diagnosis, prognosis, and treatment (Level 2)
15:00	18:15	TC 9	Peripheral neuropathies and viruses: Multiple associations (Level 2)
16:15	16:45	3DS	3-day-Sat.Session
16:45	18:15	CONT 1	Controversies in pain research. Is it possible to diagnose neuropathic pain with neurophysiological testing? & Does migraine with Brainstem Aura exist?
16:45	18:15	laS 5	How to manage antiepileptic drugs in women of childbearing age with epilepsy
16:45	18:15	OS	Oral Sessions
16:45	18:15	SpS 8	RRFS - PH.D. and the neurology residency: why, when and how?
16:45	18:45	PL 5	How to diagnose vertigo and ocular motor disorders (Level 2)
18:30	20:00	SAT	Satellite Symposium

Monday, 21 June 2021

Start	End	Session	
07:15	07:45	SAT	Early Bird Satellite Session
08:00	09:30	CbW 5	Target clinical question, target neuro-pocus answer
08:00	09:30	FW 14	Migraine diagnosis in the era of precision medicine
08:00	09:30	FW 15	A path toward precision medicine in neurogenetics. One technique for one disease?
08:00	09:30	FW 16	The elderly patient with multiple sclerosis
08:00	09:30	FW 17	Precision medicine in Parkinson's disease
08:00	09:30	FW 18	The pearls and pitfalls of neuroimaging for the spinal cord: from diagnosis to treatment
08:00	09:30	FW 19	Will precision medicine life-changing for people living with neuromuscular disease?
08:00	09:30	FW 20	EPNS: Neurometabolic diseases of childhood growing into adulthood phenotypes
08:00	09:30	laS 6	Characterizing cognitive impairment in synucleinopathies. (Level 2)
08:00	09:30	SpS 9	Central European contribution to the discovery of major neurodegenerations
08:00	09:30	SpS 10	PAUNS
08:30	10:00	CdS 2	How to write a scientific article?
09:30	10:00	3DS	3-day-Sat.Session
10:00	12:00	PLEN 3	Towards Precision Neurology
12:15	14:45	SAT	Satellite Symposium
12:30	13:30		EFNA Session
13:15	13:45	3DS	3-day-Sat.Session
15:00	16:30	CbW 6	Diagnoses in neuro-ophthalmology you don't want to miss
15:00	16:30	laS 7	Stroke syndromes presenting with acute cognitive dysfunction (Level 1)
15:00	17:00	PL 6	Diagnostic methods in NEUROLOGICAL sleep medicine (Level 1)
15:00	17:00	SYMP 8	The next revolution for neurotherapy? Navigated transcranial ultrasound
15:00	17:00	SYMP 9	Models for explaining phenotype(s)
15:00	17:00	SYMP 10	Chrononeurology - rhythmicity in neurological disorders
15:00	18:15	OS	Oral Sessions
15:00	18:15	TC 10	Neuropathology of dementias: diagnosis on microscope (Level 2)
15:00	18:15	TC 11	Management of nonmotor disorders in Parkinson's disease
15:00	18:15	TC 12	Clinical and therapeutic puzzling muscular conditions (Level 2)
15:00	18:15	TC 13	Neuroradiology in the management of acute vascular diseases (Level 3)
15:00	18:15	TC 14	The differential diagnosis of amyotrophic lateral sclerosis (Level 3)
16:15	16:45	3DS	3-day-Sat.Session
16:45	17:30	CONT 2	Challenges in translational neurosciences - part 1
16:45	18:15	T	Tournament Clinical
17:00	18:15	OS	Oral Sessions
17:45	18:30	CONT 3	Controversies in Amyotrophic Lateral Sclerosis: MRI, To be, or not to be, that is the question
18:30	20:00	SAT	Satellite Symposium

Tuesday, 22 June 2021

Start	End	Session	
07:15	07:45	SAT	Early Bird Satellite Session
08:00	10:00	PL 7	MUNIX and phrenic nerve conduction studies (Level 3)
08:00	10:00	SYMP 11	EAN/ESO: Recent advances in acute stroke pathophysiology and treatment
08:00	10:00	SYMP 12	Towards personalized Multiple Sclerosis care
08:30	10:00	CbW 7	Look into the eyes and find the gene
08:30	10:00	CdS 2	Basic statistics for neurologists
08:30	10:00	laS 8	Dystonia – New genes opening the door for new treatment options?
08:30	10:00	OS	Oral Session
08:30	10:00	SpS 11	AFAN
08:30	10:00	SpS 12	WFN Promoting brain health
10:00	10:30	3DS	3-day-Sat.Session
10:30	12:30	PLEN 4	Highlights and Breaking News
12:30	13:30		EFNA Session
13:00	14:30	CbW 8	EAN/INUS How to manage neurogenic urogenital and bowel dysfunction neurologist
13:00	14:30	laS 9	Transient loss of consciousness (TLOC) - when neurology meets cardiology
13:00	14:30	SpS 13	How sex and gender differences may impact research and clinical practice in neurology
13:00	14:30	SpS 14	European Journal of Neurology
13:00	15:00	SYMP 13	Brain-heart axis and autonomic dysfunction
13:00	16:30	TC 15	How do MS therapies work? (Level 2)
13:00	16:30	TC 16	Individualized secondary prevention after stroke (Level 1)
13:00	16:30	TC 17	The role of neuroimaging in neuro-oncology - an update (Level 2)
13:00	16:30	TC 18	Repeat Expansion Disorders: clinical features, management and future trials.
15:00	16:30	CONT 4	Challenges in translational neurosciences - part 2 & Treatment of severe forms of MS (Level 2)

3DS	3-Day Satellite Session	SAT	Satellite Symposium
CbW	Case-based Workshop	FW	Focused Workshop
CdS	Career development Session	OS	Oral Session
CONT	Controversy	PLEN	Plenary Symposium
laS	Interactive Session	SpS	Special Session
PL	Practical Lesson (former HoC)	SYMP	Symposium
TC	Teaching Course	T	Tournament

Presidential Symposium

Sunday, 20 June 2021

10:00 – 12:00, Main Auditorium

Chairpersons:

Claudio Bassetti, Bern, Switzerland

Thomas Berger, Vienna, Austria

Charles Édouard Brown-Séquard Lecture

With this lecture EAN wants to recognize and honour an outstanding and commendable basic or clinical neuroscientist with major contributions in the fields of systems neuroscience.

Jean-Claude Baron, Paris, France

The core/penumbra model: implications for acute stroke treatment and patient selection in 2021

Camillo Golgi Lecture

This Named Lecture is to recognize and honour an outstanding and commendable basic or clinical Neuroscientist in the field of modern neuroanatomy, imaging or molecular research.

Adriano Aguzzi, Zurich, Switzerland

History of prion science

Moritz Romberg Lecture

The aim of this lecture is to recognize and honour an outstanding, influential and exemplary clinician in neurology.

Gábor M. Halmágyi, Sydney, Australia

Romberg and his famous test – what more do we know 170 years later

The Brain Prize Lecture

This lecture is to promote “Excellence in Neurology” by disseminating highly original and influential advances in neuroscience as recognized by the Brain Prize. This is a personal research prize awarded annually by the Lundbeck Foundation and the EAN Board selects the Brain Prize lecturer from the past Brain Prize Winners.

Huda Zoghbi, Houston, United States of America

Winner of the Brain Prize 2020

Overarching Theme

Towards Precision Neurology

Monday, 21 June 2021

10:00 – 12:00, Main Auditorium

Plenary Symposium 3

Towards Precision Neurology

Chairpersons

Marianne de Visser

Amsterdam, The Netherlands

Thomas Berger, Vienna, Austria

- Epidemiology meets deep learning and artificial intelligence

Peter Willeit

Innsbruck, Austria

- Current and future use of precise tools (e.g. genetics, biomarkers, imaging) for personalized

Manuel Comabella

Barcelona, Spain

- Individual treatment decisions based on precision neurology

Francesco Muntoni

London, United Kingdom

- Precision Medicine without limits?

Ethical and economic challenges

Alena Buyx

Munich, Germany

Saturday, 19 June 2021

08:00 – 09:30, Room Oslo

Focused Workshop 2

New therapeutic approaches in rare neurological diseases

Chairpersons

Martha Feucht

Vienna, Austria

Nadine van de Beek

Rotterdam, The Netherlands

- Transition from paediatric to adult care: Treatments for rare diseases the adult neurologist needs to know about.

Ulrike Schara-Schmidt

Essen, Germany

- Rare neuromuscular disorders: from precise diagnosis to personalized treatment

Teresinha Evangelista

Paris, France

- Rare and complex epilepsy syndromes: from precise diagnosis to personalized treatment

Eugen Trinká

Overarching Theme I Symposia

Sunday, 20 June 2021
 08:00 – 09:30, Room Berlin
Focused Workshop 11

Focus on Biomarkers in Common Diseases?

Chairpersons

Charlotte Cordonnier
 Lille, France

Christine Klein
 Lübeck, Germany

- Genetics: What are the “true” genetic biomarkers in neurological disorders
Nicholas Wood
 London, United Kingdom
- Body fluid markers: recent developments
Bruno Giometto
 Trento, Italy
- Neuroimaging: Impact on treatment decisions and disease monitoring
Marion Smits, Rotterdam
 The Netherlands

Saturday, 19 June 2021
 10:00 – 12:00, Main Auditorium
Symposium 1

5 Presidents' Symposium Future of Sleep Medicine

Chairpersons

Claudio Bassetti, Bern, Switzerland
Ulf Kallweit, Witten, Germany

- Sleep Apnea and Cerebrovascular Disease- 2021 update
James Stevens (AAN President)
 Indiana, United States of America
- REM Sleep Behaviour Disorder (RBD): future implications for neuro-degenerative disease
Claudia Trenkwalder (MDS President)
 Kassel, Germany
- Narcolepsy: An immune-mediated hypothalamic disease
Claudio Bassetti (EAN President)
 Bern, Switzerland
- World Sleep Society
Birgit Högl (WSS President)
 Innsbruck, Austria
- Is Paradoxical (REM) sleep a motor state?
Pierre-Hervé Luppi (ESRS President)
 Lyon, France

Symposia

Saturday, 19 June 2021
 10:00 – 12:00, Room Oslo
Symposium 2

Updates in innovative diagnostic methods for Parkinson's disease and other synucleinopathies

Chairperson

Irena Rektorova
 Brno, Czech Republic

- Imaging for Parkinson's disease
Irena Rektorova
 Brno, Czech Republic
- Has genetics changed management of Parkinson's disease
Alessio Di Fonzo
 Milan, Italy
- Laboratory biomarkers for diagnosis of Parkinson's disease – is there evidence?
Per Svenningsson
 Stockholm, Sweden
- Neuropathologic signature of synuclein dissemination in Parkinson's disease
Kelly del Tredici
 Ulm, Germany

Saturday, 19 June 2021
 10:00 – 12:00, Room Amsterdam
Symposium 3

EAN/ILAE-EUROPE: post stroke epilepsy - on the way to precision neurology

Chairperson

Tim von Oertzen
 Linz, Austria

- Epileptogenesis after initial insult
Asla Pitkänen
 Kuopio, Finland
- Stroke, Seizures, and Epilepsy – Precision from the clinical perspective
Tim von Oertzen
 Linz, Austria
- Infections as etiology of epilepsy, treatment, and prognosis
Matthias Koepp
 London, United Kingdom
- Posttraumatic epilepsy - current treatment
Marte Helene Bjørk
 Bergen, Norway

Symposia

Saturday, 19 June 2021
10:00 – 12:00, Room Lisbon
Symposium 4

Are we able to prevent some symptoms in neurogenetic disorders?

Chairpersons
Antonio Federico
Siena, Italy

Marianne de Visser
Amsterdam, The Netherlands

- Are we able to prevent or minimize the symptoms in leukodystrophies?
Ludger Schöls
Tübingen, Germany
- How early diagnosis help to prevent the cardiological manifestations in neuromuscular disorders
Marianne de Visser
Amsterdam, The Netherlands
- Personalized preventive approaches for stroke prevention in neurogenetic disorders
Anita Arsovska
Skopje, North Macedonia

Saturday, 19 June 2021
10:00 – 12:00, Room Vienna
Symposium 5

EAN/EAPC: Personalised palliative care for chronic progressive neurological disease

Chairperson
Christophe Ostgathe
Erlangen, Germany

- Advancing precision care in advanced MS – the EAN Guideline
Alessandra Solari
Milan, Italy
- Personalised Care of Late Stage Parkinsonism – the CLaSP study
Stefan Lorenzl
Salzburg, Austria
- Personalised palliative care improves quality of life for neurological patients
Irene Higginson
London, United Kingdom

Symposia

Saturday, 19 June 2021
10:00 – 12:00, Room Copenhagen
Symposium 6

EAN/EANO – precision Neuro-oncology

Chairperson
Riccardo Soffietti
Turin, Italy

- Targeted therapy for glioblastoma
Emilie Le Rhun
Zurich, Switzerland
- Targeted therapy for rare brain tumors
Roberta Rudá
Turin, Italy
- Targeted therapy for brain metastasis
Matthias Preusser
Vienna, Austria
- Targeted therapies for brain tumors in children
Sabine Müller
San Francisco, United States of America

Saturday, 19 June 2021
10:00 – 12:00, Room Berlin
Symposium 7

Disorders of Spatial Orientation and Navigation

Chairperson
Thomas Brandt
Munich, Germany

- Aging and cognition of space
Thomas Wolbers
Magdeburg, Germany
- Spatial navigation deficits as cognitive markers for preclinical Alzheimer disease
Jan Laczko
Prague, Czech Republic
- Neurological disorders of spatial orientation and navigation
Thomas Brandt
Munich, Germany

Symposia

Monday, 21 June 2021
 15:00 – 17:00, Main Auditorium
 Symposium 8

The next revolution for neurotherapy? Navigated transcranial ultrasound for surgery, blood brain barrier opening and neuromodulation

Chairpersons
Roland Beisteiner
Vienna, Austria

Jakub Hort
Prague, Czech Republic

- Focal surgery with ultrasound
Andres Lozano
Sevilla, Spain
- Focal blood brain barrier opening with ultrasound
Jean-Francois Aubry
Paris, France
- Focal neuromodulation with ultrasound
Roland Beisteiner
Vienna, Austria

Monday, 21 June 2021
 15:00 – 17:00, Room Oslo
 Symposium 9

Models for explaining phenotype(s)

Chairpersons
Antonio Federico
Siena, Italy

Michelangelo Mancuso
Pisa, Italy

- Clinical heterogeneity of Neurogenetic diseases: introductory overview
Antonio Federico
Siena, Italy
- One gene and more different onset (neonatal, infantile, juvenile, adult): a geneticist
Jean Marc Burgunder
Bern, Switzerland
- Gene-gene interactions (i.e. ApoE, apoptosis genes)
Judit Molnar
Budapest, Hungary
- Gene-environments interactions
Ernesto Burgio
Brussels, Belgium

Symposia

Monday, 21 June 2021
 15:00 – 17:00, Room Berlin
 Symposium 10

Chrononeurology - rhythmicity in neurological disorders

Chairperson
Stefan Evers
Münster, Germany

- The Biological Clock and Neurological Diseases
Debra Skene
Surrey, United Kingdom
- Rhythmicity in Headache Disorders
Christoph Schankin
Bern, Switzerland
- The Timing of Stroke
Stefan Evers
Münster, Germany
- How sleep and sleep loss affect brain disorders
Rolf Fronczek
Leiden, The Netherlands

Tuesday, 22 June 2021
 08:00 – 10:00, Main Auditorium
 Symposium 11

Recent advances in acute stroke pathophysiology and treatment

Chairpersons
Sonia Abilleira, Barcelona, Spain
Linxin Li, Oxford, United Kingdom

- Covert Brain Infarction: Towards Precision Medicine in Research, Diagnosis and Therapy for a Silent Pandemic
Thomas Meinel
Bern, Switzerland
- The importance of hypertension in secondary stroke prevention
Linxin Li
Oxford, United Kingdom
- Acute stroke management: drip-and-ship or mothership?
Sonia Abilleira
Barcelona, Spain
- Secondary stroke prevention for cardioembolic stroke: PFO, LAAO, Atrial cardiopathy, cardiac imaging (CT/ MRI) for detection of cardiac source of embolism.
Mira Katan
Zurich, Switzerland

Symposia

Tuesday, 22 June 2021
08:00 – 10:00, Room Oslo
Symposium 12

Towards personalized Multiple Sclerosis care

Chairpersons
Salimata Gassama
Paris, France

Sten Fredrikson
Stockholm, Sweden

- Imaging methods to predict and monitor individual disease courses
Christian Enzinger
Graz, Austria

- Bodyfluid-biomarkers in multiple sclerosis and related disorders: diagnose, predict, monitor
Charlotte Teunissen
Amsterdam, The Netherlands

- Virtual monitoring of MS patients by digital biomarkers– lessons learned from the COVID19-pandemia
Yvonne Naegelin
Basel, Switzerland

- Disease-modifying treatments in MS – how to individualize treatment decisions in daily routine practice?
Mar Tintoré
Barcelona, Spain

Tuesday, 22 June 2021
13:00 – 15:00, Main Auditorium
Symposium 13

Brain–heart axis and autonomic dysfunction

Chairperson
Max Hilz
Erlangen, Germany

- Brain-heart axis and central lesions inducing autonomic dysfunction
Max Hilz
Erlangen, Germany

- Central ANS dysfunction and brain-heart interactions: from physiological profiling to functional imaging
Jens Jordan
Cologne, Germany

- Intracranial Pressure and sympathetic activity
Anne Pavy-Le Traon
Toulouse, France

- Neurocardiac axis: Heart effects on brain in heart failure
Constandina Arvanitis
Toulouse, France



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RFRS represents the junior generation of neurologists within EAN. Its members are physicians currently working as a resident in Neurology, research fellow, PhD student or neurologist with up to a maximum of 3 years beyond their latest degree (MD, PhD) & up to a maximum of 15 years after receiving a license to practice medicine.

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