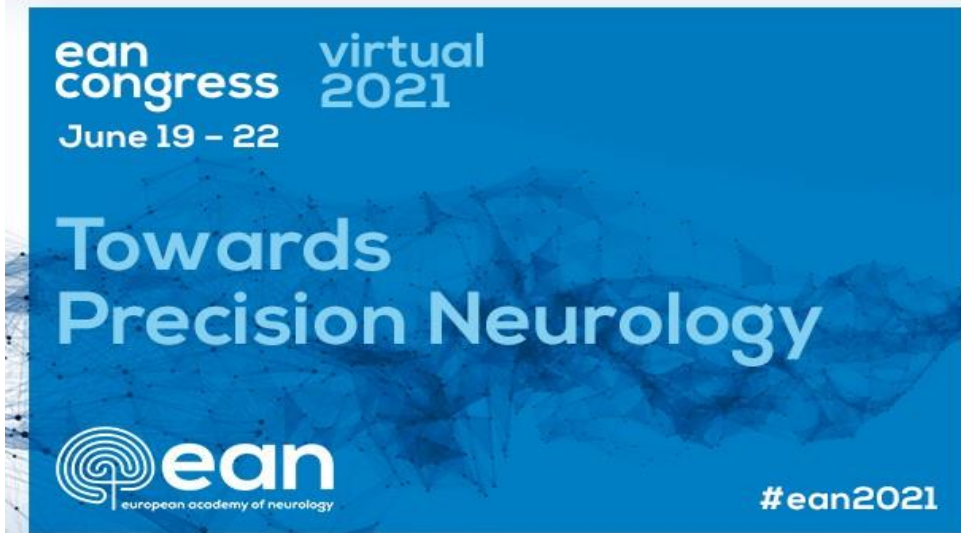


Memories of the 7th EAN CONGRESS – Vienna 2021

- 2nd Virtual Congress (Corona-Pandemic) -



hello

PARTICIPANTS FROM
AROUND
THE
WORLD!



The EAN Archivists

Julia Mayer - Klaus V. Toyka - Christian Krarup



The EAN Archive - Keeping the Past for the Future





ACV – Austria Center Vienna - June 19-22, 2021
The EAN Headoffice moved here performing the
Virtual Congress and the EAN TV-studios

EAN 2021 | your Congress
your language

The VIENNA Venue 2021 –
Home & Office Computers

Overarching Theme: “TOWARDS PRECISION MEDICINE”



Austrian Neurological Society Our Host in Vienna

Thanks to the Local Organising Committee



W. Struhal

E. Trinka

J. Weber

C. Enzinger

T. von Oertzen

S. Kiechl

F. Zimprich

EAN 2021

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Thanks to the EAN Board



PRESIDENT
Claudio Bassetti



PRESIDENT ELECT
Paul Boon



PAST PRESIDENT
Franz Fazekas



SECRETARY GENERAL
Elena Moro



TREASURER
Marie Vidailhet



COMMUNICATION
Dafin Muresanu



EDUCATION
Riccardo Soffietti



PROGRAMME
Anthony Marson

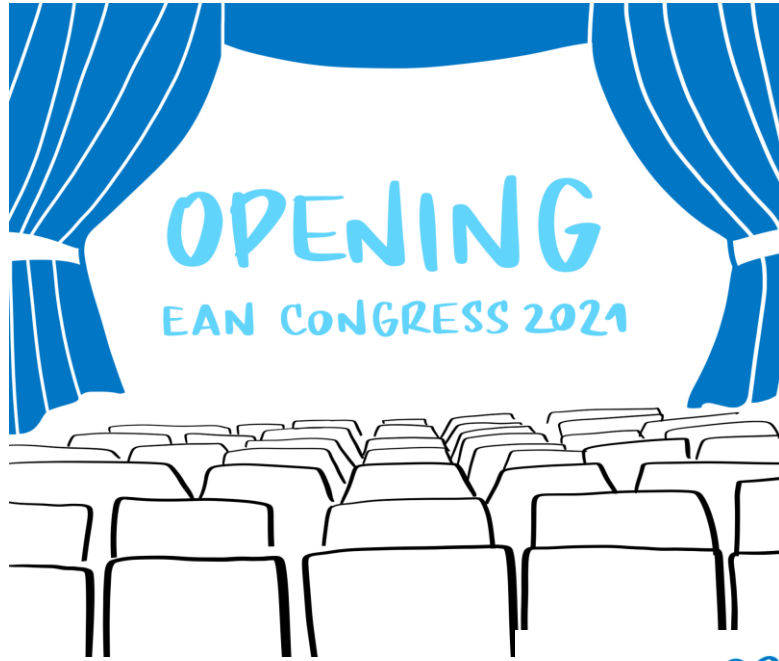


SCIENTIFIC
Thomas Berger

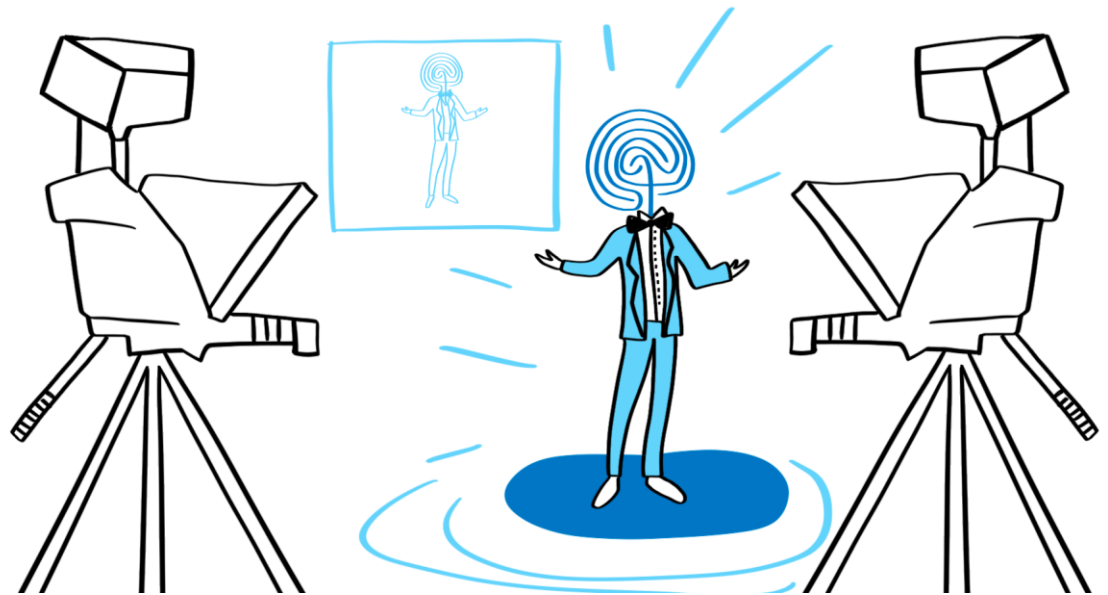


MEMBER AT LARGE
Matthias Endres

ean congress virtual
2021



OPENING - VIRTUAL CONGRESS 2021





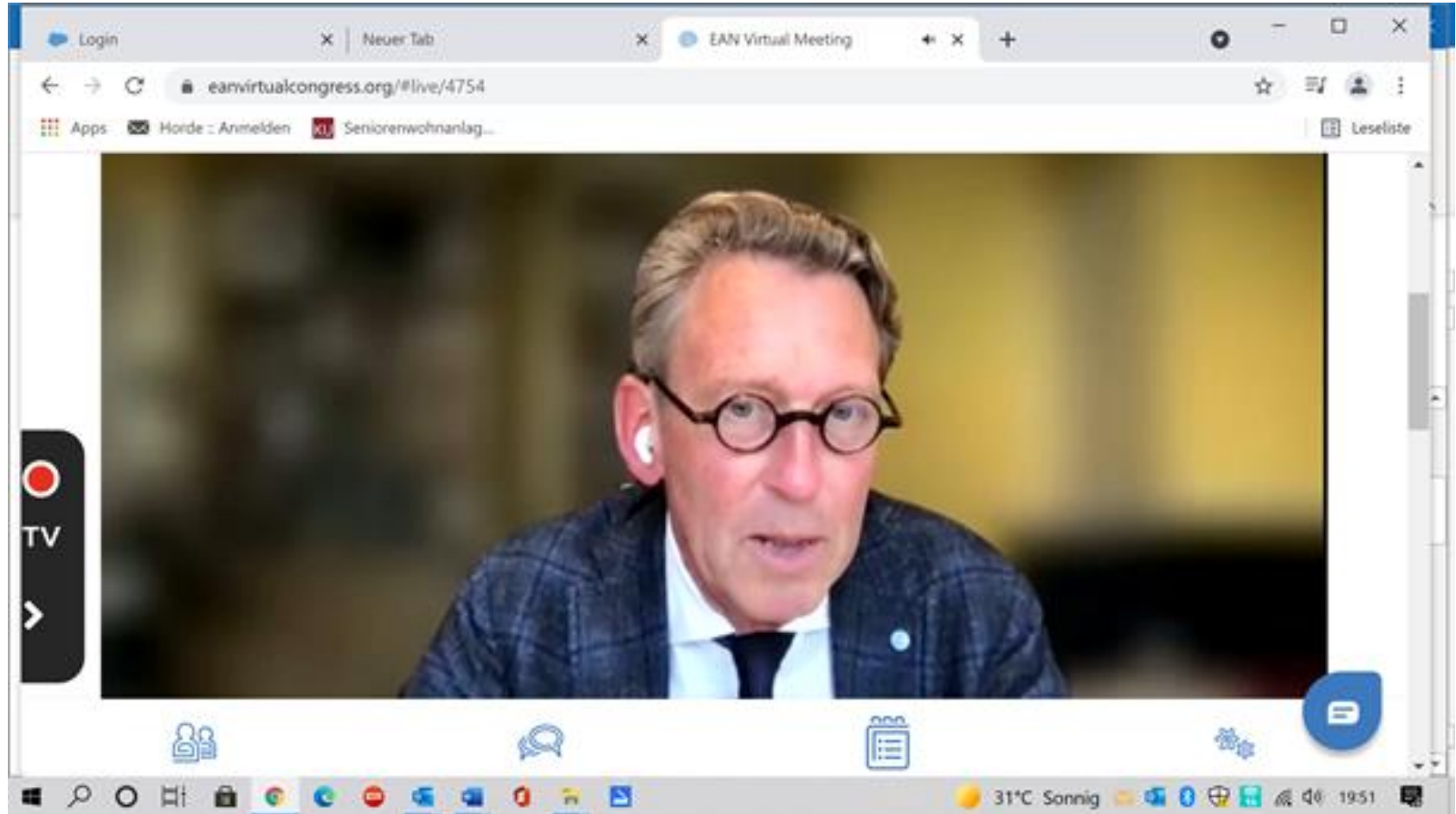
**Claudio Bassetti - Tony Marson - Vanessa Carvalho
Thomas Berger – Jürgen Knoblich**

Friday - Opening EAN Honorary Member - Günther Deuschl





Friday - Opening EAN Honorary Member - Philip Scheltens



EAN 2021

your Congress
your language

Friday - Opening



EAN: The voice of neurology

eanTV


Vision: to be the home of neurology
Mission: to reduce the burden of brain diseases

National societies **47** Members ... **45,000**

300,000,000 Citizens across Europe*

The burden of neurological diseases in Europe: an analysis for the Global Burden of Disease Study 2017

ean congress virtual 2021




Collaboration with young neurologists (RRFS)

Over 1100 members from 33 countries

sessions at annual congress
fellowships for residents

new sessions
student fellowships (15 grants)
publications



V. Carvalho, L. Cuffaro, N. Vashchenko, G. Di Liberto



European Journal of Neurology

Submission: 300/month (>200%)
Time to final decision: 38 days

Video interviews
Publication of named lectures
Special issues 2021

Congress Sessions
Saturday 19, 16:45-18:15, The gut brain axis
Sunday 20, 8:30-10:00, How to write a scientific article




K. Vonck C. Sommer M. Edwards
D. Leys A. Chan



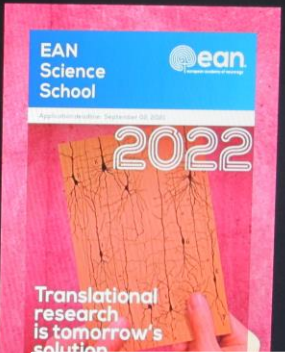
Friday - Opening



EAN Science School
March 26-30, 2022



G. Stoll



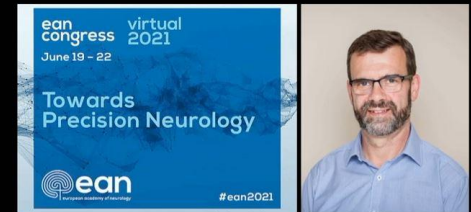
Immune-mediated disorders
Stroke
Epilepsy
Neuronal Circuits
Neurodegeneration

EAN Congress 2021

- President's Symposium (Sunday)
- Overarching Theme Plenary (Monday)
- Highlight session (Tuesday)

- TV Channel
- Live interactive Sessions
- Networking Area
- Translations

Sessions with AFAN, AOAN, Brazilian A., Indian A., PAUNS, PAFNS, WFN



T. Marson

EAN 2021

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Friday - Opening Lecture - Jürgen Knoblich

Characteristic CNS features of Tuberous Sclerosis

Cortical tubers

Dysmorphic giant neurons

Map2

mTORC1

PTEN

AKT

SEGA: Subependymal giant cell astrocytoma

MAG

eanTV

Cerebral organoids: modelling human brain development and neuro-psychiatric disorders in stem cell - derived 3D culture

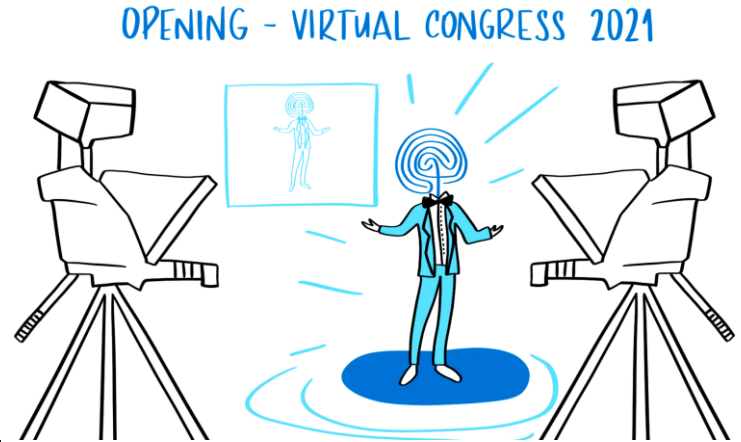
EAN 2021

your Congress
your language

Friday - Opening - Music Performance: Wiener Klassik - Quartett



Behind the Scenes - Making Of



Opening - Behind the Scenes – Making Of



Saturday June 19, 2021 - Sessions

10:00 - 12:00 EAN/ILAE Post stroke epilepsy - on the way to precision neurology

CHAIRS : URS FISCHER, TIM VON OERTZEN



A virtual meeting grid with three participants. The top row shows two men: Chair Dr. Tim von Oertzen on the left and Chair Prof. Urs Fischer on the right. The bottom row shows Dr. Marte Bork.

Chair Dr. Tim von Oertzen

Chair Prof. Urs Fischer

Dr. Marte Bork

ean congress virtual 2021

CHAIRS : MATTHIAS PREUSSER, RICCARDO SOFFIETTI



A virtual meeting grid with five participants. The top row shows three people: Chair Prof. Matthias Preusser, Mrs. Roberta Rudà, and Riccardo Soffietti. The bottom row shows Dr. Sabine Mueller and Dr. Emilie Le Rhun.

Chair Prof. Matthias Preusser

Mrs. Roberta Rudà

Riccardo Soffietti

Dr. Sabine Mueller

Dr. Emilie Le Rhun

ean congress virtual 2021

Session Title: EAN/EANO Precision Neuro-oncology

CHAIR : STEFAN SEIDEL



A virtual meeting grid with three participants. The top row shows Prof. Iris-Katharina Penner and Chair Prof. Stefan Seidel. The bottom row shows Prof. Thomas Berger.

Prof. Iris-Katharina Penner

Chair Prof. Stefan Seidel

Prof. Thomas Berger

ean congress virtual 2021

Session Title: MS-related fatigue - tired of inflammation?

Saturday June 19, 2021

AN/MDS-ES - Stiff people: On spasticity and beyond

CHAIR: KAILASH P. BHATIA

Higher level gait disorders

- The term higher-level gait disorders (HLGD) defines a category of balance and gait disorders that are not explained by deficits in strength, tone, sensation, or coordination. HLGD are characterized by various combinations of disequilibrium and impaired locomotion- Nutt 2013
- Various terms used gait apraxia, frontal ataxia, marche a petits pas, lower-half parkinsonism, and many more



Kailash P. Bhatia
Stiff legs: rare causes and mimics

Interactive Session

Oral Session on Motor Neurone Diseases 1

virtual
2021

CHAIRS: RAFFAELE DUBBIOSO, CHRISTIAN KRARUP



5 Presidents Symposium Future of Sleep Medicine

CHAIRS : CLAUDIO BASSETTI, ULF KALLWEIT

Clinical picture: A hypothalamic disorder I



Sleep-wake disturbances

- Excessive daytime sleepiness (NT1, NT2)
- Cataplexy (NT1)
- Sleep paralysis, hallucinations
- Insomnia, sleep apnea, RBD, PLM,...



Bassetti, Nature Rev Neurol 2019

ean congress virtual 2021



Claudio Bassetti

EAN - Narcolepsy: An immune-mediated hypothalamic disease

ean congress virtual 2021



5 Presidents Symposium Future of Sleep Medicine

10:00 - 12:00 5 Presidents Symposium Future of Sleep Medicine

CHAIRS : CLAUDIO BASSETTI, ULF KALLWEIT

1986 “Violent Moving Nightmares”

- Early detection of neurodegeneration for the possibility of early intervention
- When do patients convert from isolated RBD to a manifest neurodegenerative disease?

Siegel,
W.D., 1981 - 1986, Raven Press, New York
© 1986, Association of Professional Sleep Societies

Chronic Behavioral Disorders of Human REM Sleep: A New Category of Parasomnia

Carlos H. Schenck, Scott R. Bundlie, Milton G. Ettinger, and Mark W. Mahowald

Minnesota Regional Sleep Disorders Center, Hennepin County Medical Center, University of Minnesota, Minneapolis, Minnesota, U.S.A.

6



Claudia Trenkwalder

REM Sleep Behaviour Disorder (RBD): future implications for neurodegenerative disease

Movement Disorder sessions at the 7th Congress of the European Academy of Neurology are done in collaboration between MDS-ES and the EAN.

Case-based Workshop titled
"The unknown that we should know"

„I have dystonia but why can't I sleep?"

Lisa Klingelhöfer



June 19-22, 2021
#MDSatEAN

7th EAN Congress, 19 June 2021

ean congress virtual 2021



Lisa Klingelhöfer
"I have dystonia but why cant I sleep?"

08:00 - 09:30 Infections as triggers on autoimmunity

CHAIR: SERGIO MUÑIZ CASTRILLO

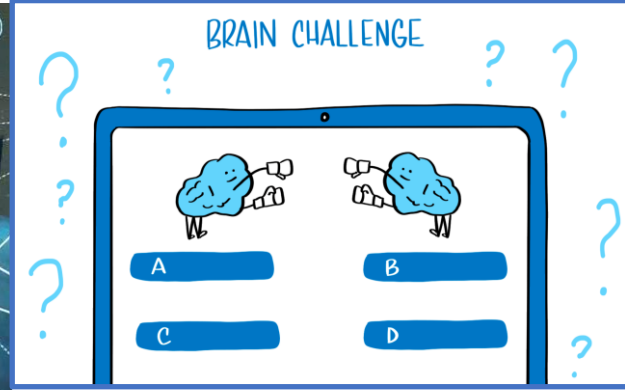
Pitfalls of postinfectious diagnosis

- Cause, consequence or coincidence
 - Temporal pattern
 - Onset of neurological disorder
 - Worsening/improving in parallel
 - Resolution once the infection is resolved
 - Evidence of recent infection
 - Population-level association
 - Biological plausibility



David García Azorín
Infections as triggers of other central nervous system autoimmune disorders

Saturday - Brain Challenge



Saturday - Brain Challenge



Sunday June 20, 2021 Presidential Symposium



Presidential Symposium: Brain Prize Lecture & Named Lectures

10:00 - 12:00 Presidential Symposium
CHAIRS: CLAUDIO BASSETTI, THOMAS BERGER

Evaluate the consequences of loss of MeCP2 in specific neurons

Serotonergic (Samaco et al., 2009): Cognitive deficits, Locomotor defects, Anxiety, ↑ Stress Response, Aggression

Hypothalamic (Fyffe et al., 2008): Stereotypies, Seizures, Altered Weight, Autistic features

Dopaminergic (Samaco et al., 2009): Loss of speech, Autonomic dysfunction, Purkinje Granule, Cerebellum

GABAergic (Chao et al., 2010; Ishida et al., 2015; Ure et al., 2016)

Cholinergic (Ballinger et al., 2019)

Glutamatergic (Meng et al., 2016)

Huda Zoghbi
The Brain Prize Lecture

PERSPECTIVES

Adriano Aguzzi
Camillo Golgi Lecture - History of prion science

virtual
2021

2:00 Presidential Symposium
CHAIRS: CLAUDIO BASSETTI, THOMAS BERGER

Moritz Romberg and his famous test; what more do we know 170 years later?

1795-1873

G. Michael Halmagyi
Neurology Department, Royal Prince Alfred Hospital
University of Sydney, Australia <gmh@icn.usyd.edu.au>

Gabor Michael Halmagyi
Moritz Romberg Lecture - Romberg and his famous test - what more do we know 170 years later

10:00 - 12:00 Presidential Symposium
CHAIRS: CLAUDIO BASSETTI, THOMAS BERGER

Relationships to neurological deficit

Jean-Claude Baron
Charles Edouard Brown-Sequard - The core/penumbra model: implications for acute stroke treatment and patient selection

Challenges for Women in Neurology

13:00 - 14:30 Challenges for women in neurology

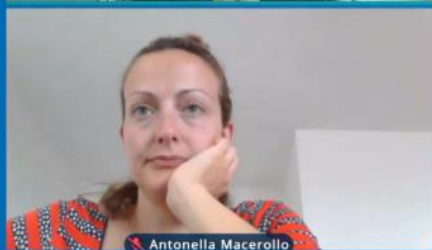
CHAIRS : ANTONELLA MACEROLLO, ELENA MORO



Chair Prof. Elena Moro



Prof. Marina A. J. de Koning-Tijssen



Antonella Macerollo



Dr. Matilde Leonardi

Personal Tips....

Movement disorders
GEORGINA

27

- Tip 1. Enjoy your life
- Tip 2. Room for personal development
- Tip 3. Broaden your horizon
- Tip 4. Find a good mentor/coach
- Tip 5. Try to keep autonomy
- Tip 6. Find your niche
- Tip 7. Create room for yourself
- Tip 8. Arrange things as best as you can to make life a little easier.
Invest in care and support for your household
- Tip 9. Focus
- Tip 10. Make choices & Learn to say no



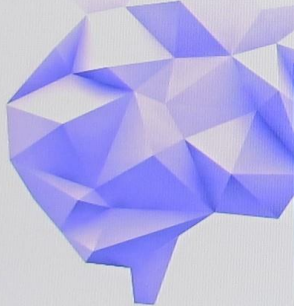
.....Good luck is also helpful!



Sunday - Neuro-Covid19 Sessions

15:00 - 16:30 Neuro-Covid across the continents

CHAIRS : ERICH SCHMUTZARD, JEAN-MICHEL VALLAT



Service of neurology
Department of clinical neurosciences

**The nervous system
manifestations of COVID-19:
pathogenic mechanisms**

Renaud Du Pasquier, MD
renaud.du-pasquier@chuv.ch
EAN, « Vienna », June 2021

Unil *CHUV*



Renaud De Pasquier
The nervous system manifestations
of COVID-19: pathogenic mechanisms



Dr. Giovanni DI Liberto

Chair Prof. Elena Moro



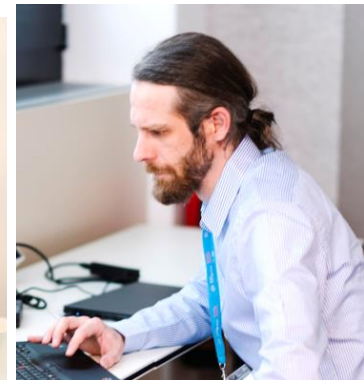
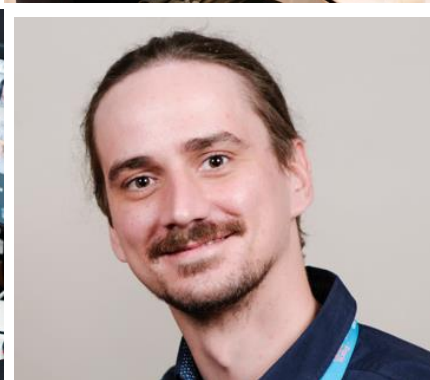
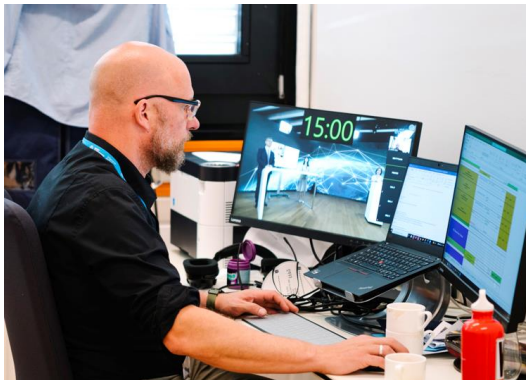
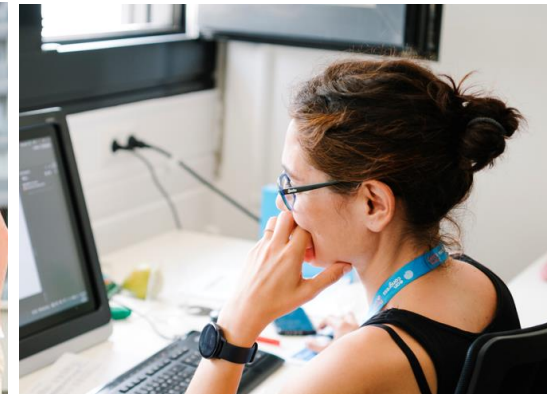
Chair Mrs. Bettina Pfaulser

Prof. Matthias Klein

Sunday - Behind the Scenes - Staff

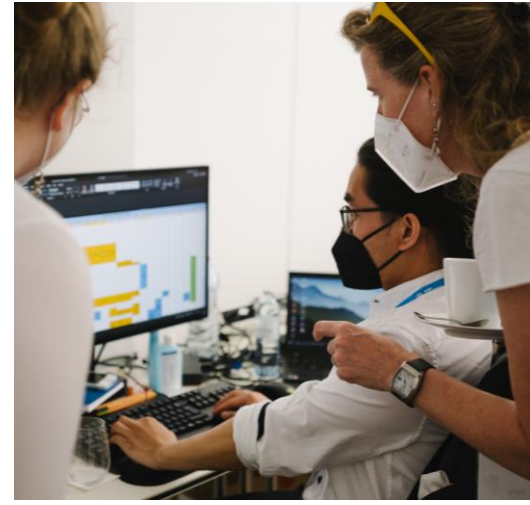
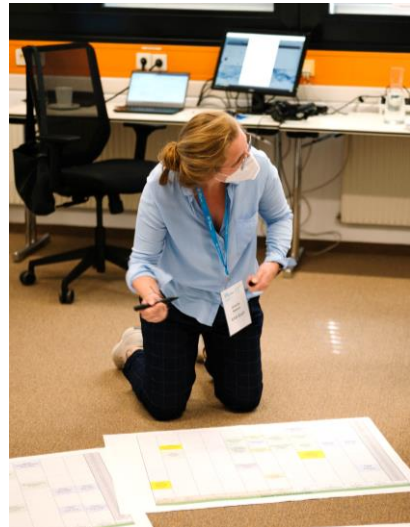


Sunday - Behind the Scenes - Staff

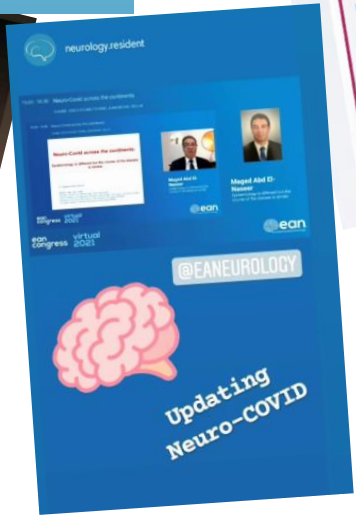
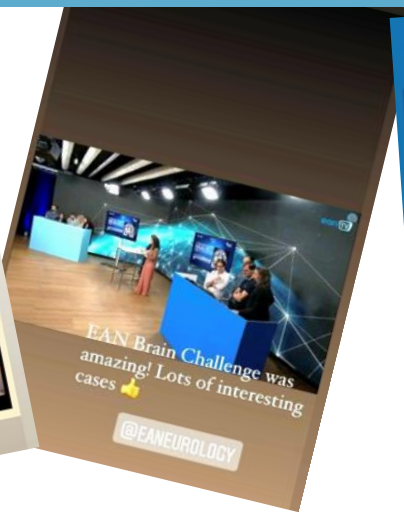
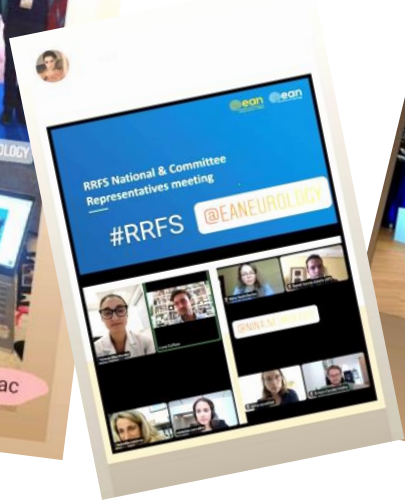




Behind the (work-) scenes



Social Media



Behind the (work-) scenes




10:00 - 12:00 Towards Precision Neurology

CHAIRS : THOMAS BERGER, MARIANNE DE VISSER

No drug is perfect



	PRECIS*	CONS*
Antisense oligonucleotide	<ul style="list-style-type: none"> Efficacy demonstrated across a wide range of clinical conditions and age ranges Safety profile and cumulative real-world data on >10,000 treated patients confirms good tolerability and clinical efficacy across the spectrum 	<ul style="list-style-type: none"> Intrathecal administration a burden for families and hospitals Complex spines Potential for higher doses to achieve higher SMN levels
AAV gene therapy	<ul style="list-style-type: none"> A single infusion event clearly very attractive by the treating physicians and the families 	<ul style="list-style-type: none"> Short term safety is an issue that requires careful discussion with families, and careful monitoring, especially in older, heavier patients Recent concerns for DRG toxicity Permanent ineligibility for other studies
Oral small molecules	<ul style="list-style-type: none"> Of the various drugs, the easiest to give, and the most easily accommodated in tertiary and secondary care sites The broad biodistribution more closely reflects the pattern of SMN production 	<ul style="list-style-type: none"> Data on efficacy still limited Comes with a few safety warnings especially male fertility, that require careful considerations



Francesco Muntoni
Individual treatment decisions based on precision neurology

Plenary Symposium: Towards Precision Neurology - OT

10:00 - 12:00 Towards Precision Neurology

CHAIR: Prof. Marianne de Visser & Prof. Thomas Berger





EAN 2021

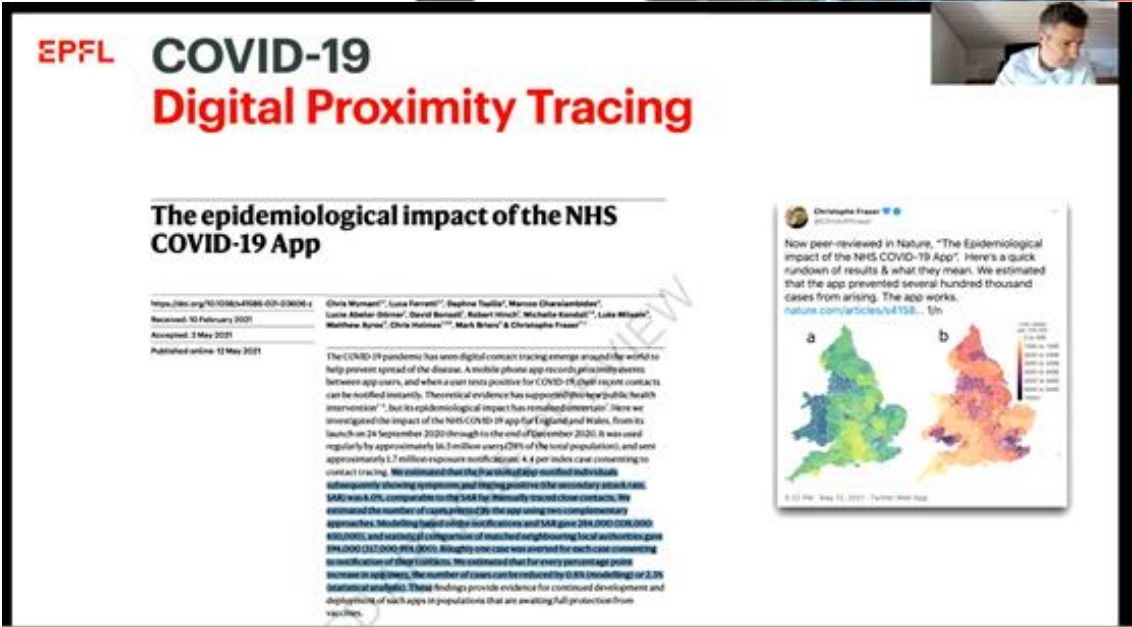
Current and future use of precise fluid biomarker tools for personalised diagnosis and prognosis

Henrik Zetterberg, MD, PhD
Department of Psychiatry and Neurochemistry,
University of Gothenburg, Sweden;
Institute of Neurology, UCL, UK



Henrik Zetterberg
Current and future use of precise fluid biomarker tools for personalised diagnosis and prognosis

Monday - Sessions



Marcel Salathé:
Epidemiology meets
deep learning and
artificial intelligence



Tuesday – Highlights

European Journal of Neurology

Editorial team



Andrew Chan, Kristl Vonck, Didier Leys, Claudia Sommer, Mark Edwards

Editorial team



Elena Moro



Pille Taba

Two guest editors (COVID issue)



Francesco Di Lorenzo

Editorial > Eur J Neurol. 2021 May 9; doi: 10.1111/ene.14905. Online ahead of print.

SARS-CoV-2 vaccine-related neurological complications need large collaborative studies, not single case reports or small descriptive series

Didier Leys ¹, Mark Edwards ², Kristl Vonck ³, Pille Taba ⁴, Elena Moro ⁵, Andrew Chan ⁶, Claudia Sommer ⁷

Health economics

Missions updated



Barbara Tettenborn

A new member of the editorial board



Elena Lebedeva

Representative in the e-learning committee



Face-to-face meeting became virtual



Tuesday Highlights – Tournament winners

Tournament Clinical



2021 Winner Elisabeth Synnøve Nilsen Husebye, Norway
OPR-196
Autistic traits and language impairment in children of women with epilepsy are not mediated by unmetabolized folic acid

Runner-up Leandro R. D. Sanz, Belgium
OPR-035
Apomorphine therapy for patients with chronic disorders of consciousness: a multimodal open-label study

Runner-up Pedro Nascimento Alves, Portugal
OPR-052
Unravelling the neural basis of spatial delusions after stroke



Tournament Basic



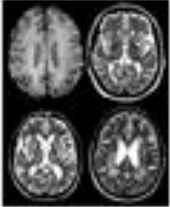
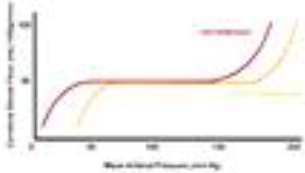
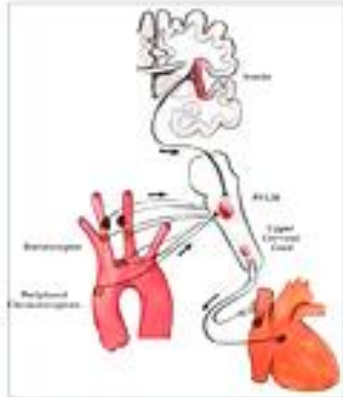
2021 Winner Elisabeth Hens, Belgium
OPR-194
Genotype-phenotype data of PSEN1 p.CYS263PHE carriers in Belgian-Flanders Alzheimer's disease patients

Runner-up Konstantin Senkevich, Canada
OPR-199
Evidence of shared biological pathway between Parkinson's disease and psychiatric disorders




Runner-up Helena Gossye, Belgium
OPR-044
In-depth phenotypic description of TBK1 mutations; a frequent cause of FTD and ALS in the Flanders-Belgian population

Blood Pressure (BP) and the brain







The diagram illustrates the relationship between blood pressure and brain health. It shows the heart, brain, and a hand with blood vessels. Labels include 'Brain', 'Atrial Fibrillation', 'Tight Control', 'Blood Pressure', 'Stroke', 'Myocardial Infarction', and 'Heart Failure'. The graph plots Mean Arterial Pressure (MAP) on the y-axis (ranging from 0 to 120) against Cerebral Blood Flow (CBF) on the x-axis (ranging from 0 to 100). Three curves are shown: a red curve (normal), a yellow curve (hypertension), and a blue curve (hypotension). The red curve shows a plateau of CBF between MAP values of approximately 60 and 100. The yellow curve shows a sharp decline in CBF as MAP increases beyond 100. The blue curve shows a sharp decline in CBF as MAP decreases below 60. Below the graph are four axial brain MRI scans showing white matter hyperintensities, which are associated with chronic hypertension.



Linxin Li
The importance of hypertension in secondary stroke prevention


Motor neuron diseases in infancy and childhood The "new treatments"



Spring School VIRTUAL

2021

Dubowitz Neuromuscular Centre
UCL Institute of Child Health
& Great Ormond Street Hospital
London, UK



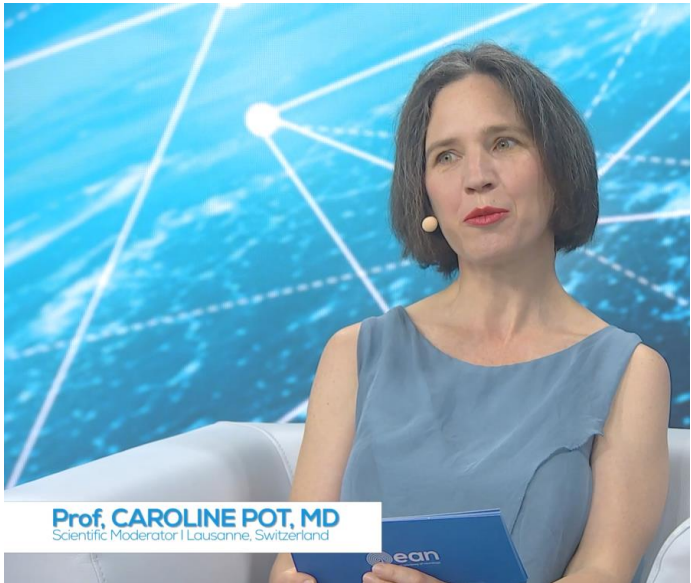
Francesco Muntoni
Individual treatment decisions based on precision neurology



EAN TV Channel



Advocacy Talks



Advocacy Talks



ean congress virtual 2021 

Advocacy Talks: Informing on the burden of neurological diseases

Günther Deuschl
Paul Boon
Caroline Pot



Advocacy Talks



Why OneNeurology ... now?

There are over **400** neurological disorders.
These affect the brain, spine or nerves.

one neurology

ean congress virtual 2021

What is Neuro COVID-19?

Spectrum of Neuro COVID-19

Direct consequences of SARS-CoV-2 infection

- Development of genuine neurological disorders
- Neurological complications in the course of SARS-CoV-2 infection
- Impact of neurological comorbidity on the severity of SARS-CoV-2 infection
- Worse outcome of acute neurological disorders

Indirect consequences of the pandemic

- Gaps in the care
- Impact on pre-existing chronic neurological conditions
- Complications of nosoweb, hygiene practices and vaccination
- ...

ean TV

Advocacy Talks

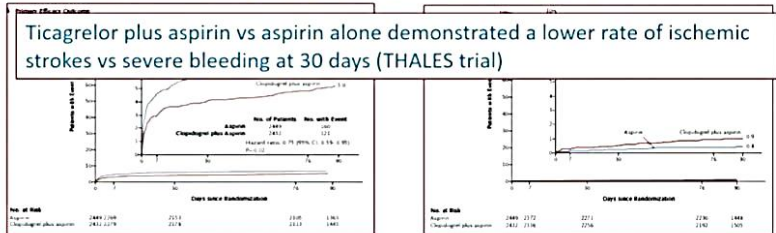


EAN Advocacy Talks Breakthroughs in Neurology: Epilepsy



Double antiaggregation for secondary stroke prevention

- The risk of ischemic stroke ranges from 3 to 15% in the 90 days after a minor ischemic stroke or a TIA (Amarenco et al. 2016)
- The combination of aspirin (50-325 mg) and loading dose of clopidogrel (600->75 mg) started within 24 h and continued for 3 weeks has been shown to reduce stroke recurrence after minor stroke and high risk TIAs (POINT study)



Advocacy Talks



ean congress virtual 2021

Advocacy Talks: Neuromuscular diseases

Maria Judit Molnar, MD, PhD, FEAN
Volker Straub, MD, PhD
Elena Moro, MD, PhD, FEAN, FAAN



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Advocacy Talks: Sleep disorders

Joke Jaarsma
Pierre-Herve Luppi
Stefan Seidel
Ulf Kallweit

Advocacy Talks



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**Advocacy Talks:
Therapeutic Breakthroughs
Multiple Sclerosis**

Celia Oreja-Guevara
Maria P. Amato
Thomas Berger

ean
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ean congress virtual 2021

**Advocacy Talks:
Breakthroughs in neurology
Dementia**

I. Holmerova
K. S. Frederiksen
M. Vidailhet

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the home of neurology



Tuesday Farewell



8th EAN Congress, Europe 2022



Overarching Theme: Getting Evidence into Practice



Plenary symposium

Improving lives and reducing burden: What evidence do we need to implement?

Focused Workshops

How do we ensure the timely generation of evidence that will improve lives and reduce burden?

Implementing evidence: What have we learned and what must we do better?



ean congress Europe 2022

See you in 2022!

EUROPE 2022 – Hybrid Congress in Vienna

ean congress Europe 2022

8th EAN Congress, Europe 2022

held in Vienna, Austria

Tony Marson

ean
the home of neurology

www.ean.org/europe2022
#ean2022

Twitter Facebook Instagram

The End - Fine
Servus Vienna

See you in 2022!

