

Frankfurt/Erlangen • Lyon/Grenoble • London • Cleveland

11th International Epilepsy Colloquium

March 12 - 14, 2018 | Frankfurt, Germany

Individualized
Epilepsy Management:
Medicines, Surgery
and Beyond



INVITATION



www.iec2018.com

Individualized Epilepsy Management: Medicines, Surgery and Beyond

The **11th International Epilepsy Colloquium** takes place from March 12 -14, 2018 in Frankfurt, Germany. With over 50 presentations by international professionals, the three day event offers the opportunity to learn about relevant topics and latest developments in the field of epilepsy treatment. In addition the event is an ideal platform to network and discuss with other specialists from all over the world.

The International Epilepsy Colloquium represents a joint initiative of 12 leading University Hospital Epilepsy Centers. With the participation of over 200 medical professionals of different epilepsy-related disciplines, the International Epilepsy Colloquium offers the perfect opportunity to connect with medical staff, scientists, and researchers from all around the world and to learn from leading professionals about their latest projects, approaches, and results by listening to inspirational and comprehensive presentations.

The three event days will be focussing on the following topics:

March 12: Diagnosis and Drug Treatment

March 13: Presurgical Diagnosis and Epilepsy Surgery

March 14: Epilepsy Surgery and Beyond

The complete event's program can be found on the following pages and online at www.iec2018.com.

Initiators of the **International Epilepsy Colloquium** are: University Hospital of the Goethe University, Frankfurt, Germany | University Hospital of Erlangen, Germany | Lyon University Hospital Institute for Children and Adolescents with Epilepsy – IDEE, France | Grenoble University Hospital, France | University College London, United Kingdom | Université de Lausanne, Switzerland | University Hospitals, Case Western Reserve University, Cleveland, USA.

Registration
now open!

11th International
Epilepsy Colloquium

11th International Epilepsy Colloquium – General Information

Course Director Felix Rosenow

Co-Directors Hajo M. Hamer | Susanne Knake | Adam Strzelczyk

Organization Committee Alexis Arzimanoglou | John Duncan | Thomas Freiman | Edouard Hirsch | Philippe Kahane
Samden Lhatoo | Hans Lüders | Philippe Ryvlin

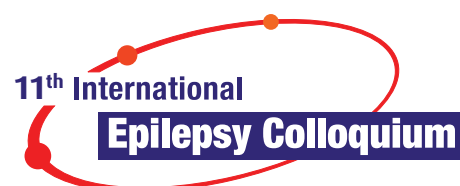
Date: March 12 - 14, 2018

Location: University Hospital Frankfurt,
Theodor-Stern Kai 7
D-60590 Frankfurt, Germany

Organization University Hospital Frankfurt
Epilepsy Center Frankfurt Rhine-Main
Center of Neurology and Neurosurgery
Schleusenweg 2-16
D-60528 Frankfurt, Germany

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AGENDA March 12, 2018

Day 1: Diagnosis and Drug Treatment

9:00 am Registration and Breakfast Bites

Visit Exhibits

9:30 am Welcome Address

*Birgitta Wolff **, *Josef Pfeilschifter **,
Helmuth Steinmetz, *Volker Seifert*,
Felix Rosenow

10:00 am

Debate: Diagnosis

Chairs/Panel: F. Rosenow, S. Knake, H. Lüders

10:00 am

Epilepsy Diagnosis standard algorithms are useful. *Stephan Schuele, Chicago, USA*

10:20 am

Epilepsy Diagnosis needs to be individualized. *Sebastian Bauer, Frankfurt, Germany*

10:40 am

Discussion

10:50 h

Diagnostic approaches to differentiate focal from generalized epilepsy

Chairs/Panel: J. Duncan, P. Kahane, N. Lacuey

10:50 am

Clinical History and Semiology. *Hans Lüders, Cleveland, USA*

11:10 am

Neuroimaging. *Susanne Knake, Marburg, Germany*

11:30 am

EEG. *Guadalupe Fernandez-Baca Vaca, Cleveland, USA*

11:50 am

The role of genetic testing. *Karl Martin Klein, Frankfurt, Germany*

12:10 am

Case Discussion: Patient with generalized features and focal epilepsy or vice versa. *Tim Wehner, Bochum, Germany*

12:30 am

Lunch Break

Visit Exhibits and Posters
Satellite Symposium with Lunch available, provided by NN

1:30 pm

Drug Treatment

Chairs/Panel: P. Ryvlin, H. Cross, R. Guerrini

1:30 pm

Keynote lecture 1: Personalized epilepsy treatment – Concept and state of the art.
Matthew Walker, London, UK

2:15 pm

Debate: Modern AED treatment of focal epilepsy

2:15 pm

One strategy fits all – AED treatment can be standardized. *NN*

2:35 pm

Consider all patient characteristics – AED treatment should be individualized!
Felix Rosenow, Frankfurt, Germany

2:55 pm

Discussion

3:05 pm

Precision Medicine approaches based on genetics.
Karl Martin Klein, Frankfurt, Germany

3:25 pm

Case discussion: Individualized treatment.
Philipp Reif, Frankfurt, Germany

3:45 pm

Coffee Break

Visit Exhibits and Posters

4:15 pm

Individualized treatment approaches

Chairs/Panel: E. Hirsch, M. Sperling, R. Kälviäinen

4:15 pm

Nodular Heterotopia: Does MRI and genetic classification allow individualized treatment? *Renzo Guerrini, Florence, Italy*

4:35 pm

TSC: disease modifying treatment with mTOR pathway inhibitors. Preventive vs. first line vs. add on therapy?
Susanne Schubert-Bast, Frankfurt, Germany

4:55 pm

GLUT1-deficiency: Ketogenic diet.
Yvonne Weber, Tübingen, Germany

5:15 pm

Dravet-Syndrome: a) Cannabinoids.
Helen Cross, London, UK

5:35 pm

Dravet-Syndrome: b) Fenfluramine.
Tilman Polster, Bielefeld, Germany

5:55 pm

Dravet-Syndrome: c) Burden of disease.
Adam Strzelczyk, Frankfurt, Germany

6:15 pm

Case Discussion: Mesial temporal lobe epilepsy. *NN*

6:35 pm

Discussion

6:45 pm

Keynote lecture 2: How to treat patients with a high SUDEP risk.

Samden Lhatoo, Cleveland, USA

7:30 pm

Adjourn for the Day

AGENDA March 13, 2018

Day 2: Presurgical Diagnosis and Epilepsy Surgery

8:00 am	Registration and Breakfast Bites Visit Exhibits
8:30 am	Keynote Lectures <i>Chairs/Panel:</i> <i>A. Arzimanoglou, T. Polster, B. Diehl</i>
8:30 am	Keynote lecture 3: Seizure detection and prediction to individualize treatment. <i>Mark Cook, Melbourne, Australia</i>
9:15 am	Keynote lecture 4: Special considerations in the pediatric population. <i>Helen Cross, London, UK</i>
10:00am	Presurgical diagnosis of epilepsy. Noninvasive methods 1 <i>Chairs/Panel:</i> <i>S. Schuele, S. Rampp, W. van Paesschen</i>
10:00 am	MRI in FCD: how to increase sensitivity? <i>Niels Focke, Göttingen, Germany</i>
10:20 am	EEG-biomarkers of the epileptogenic zone. <i>Hajo M. Hamer, Erlangen, Germany</i>
10:40 am	Coffee Break Visit Exhibits and Posters
11:10 am	Presurgical diagnosis of epilepsy. Noninvasive methods 2 <i>Chairs/Panel: S. Noachtar, E. Trinka, H. Lüders</i>
11:10 am	MEG: The contribution of or magnetic (and EEG) source imaging and connectomics. <i>Stefan Rampp, Erlangen, Germany</i>
11:30 am	Ictal SPECT. <i>Wim van Paesschen, Leuven, Belgium</i>
11:50 am	The role of PET today. <i>Francine Chassoux, Paris, France</i>
12:10 am	Neuropsychology: Diagnostic and predictive? <i>Anke Hermsen, Frankfurt, Germany</i>
12:30 am	Case discussion: When are invasive studies necessary? <i>Philippe Kahane, Grenoble, France</i>
12:50 am	Lunch Break Visit Exhibits and Posters, Satellite Symposium with Lunch available, provided by NN

1:50 pm	Presurgical diagnosis of epilepsy. Invasive methods <i>Chairs/Panel:</i> <i>P. Kahane, N. Tandon, T. Freiman</i>
1:50 pm	Indication: sEEG, subdural electrodes or both - do we need standards? <i>Soheyl Noachtar, Munich, Germany</i>
2:10 pm	sEEG in TSC. <i>Edouard Hirsch, Strasbourg, France</i>
2:30 pm	Invasive electrodes to access cognitive function. <i>Beate Diehl, London, UK</i>
2:50 pm	ECoG: indications based on patient characteristics. <i>Karl Rössler, Erlangen, Germany</i>
3:10 pm	Case discussion: Patient with both SEEG and subdural electrodes? <i>Nuria Lacuey Lecumberri, Cleveland, USA</i>
3:30 pm	Epilepsy Surgery – part 1. Debate: Scope and limitations of epilepsy surgery <i>Chairs/Panel: H. Hamer, S. Chabardes, A. McEvoy</i>
3:30 pm	Epilepsy surgery is underused! <i>Michael Sperling, Philadelphia, USA</i>
3:50 pm	Epilepsy surgery is overused! <i>John Duncan, London, UK</i>
4:10 pm	Discussion
4:20 pm	Case discussion: Is there a place for surgical treatment of non-pharmacore-sistent epilepsy? <i>Bernhard Steinhoff, Kork, Germany</i>
4:40 pm	Coffee Break Visit Exhibits and Posters
5:10 pm	Indication, cost and safety of epilepsy surgery <i>Chairs/Panel: B. Steinhoff, M. Sperling, S. Lhatoo</i>
5:10 pm	Morbidity and mortality in the epilepsy monitoring unit: Can we do better? <i>Eugen Trinka, Salzburg, Austria</i>
5:30 pm	Is epilepsy surgery cost effective? <i>Adam Strzelczyk, Frankfurt, Germany</i>
5:50 pm	Is age just a number when considering epilepsy surgery in older adults? <i>Rebecca O'Dwyer, Chicago, USA</i>
6:10 pm	Discussion
6:20 pm	Adjourn for the Day
7:30 pm	Reception

AGENDA March 14, 2018

Day 3: Epilepsy Surgery and Beyond

8:00 am **Registration and Breakfast Bites**
Visit Exhibits

8:30 am **Surgical approaches** *Chairs/Panel:*
K. Rössler, H. Hamer, T. Freiman

8:30 am Resective vs. disconnection surgery?
Stephan Chabardes, Grenoble, France

8:50 am Resection of hand motor area: when can we
expect preservation of meaningful grasp?
Jonathan Miller, Cleveland, USA

9:10 am Techniques to preserve visual function.
Andrew McEvoy, London, UK

9:30 am **Debate: Which surgical approach for mTLE?**
Chairs/Panel: J. Miller, S. Chabardes,
N. Tandon

9:30 am The subtemporal approach is the best for
most patients.
Thomas Freiman, Frankfurt, Germany

9:50 am The surgical approach should be
individualized. *Andrew McEvoy, London, UK*

10:10 am **Coffee Break** - Visit Exhibits and Posters

10:40 am **Novel treatment approaches, specific
etiologies**
Chairs: P. Ryvlin, B. Diehl, A. McEvoy

10:40 am Epilepsy surgery for temporal Encephaloceles.
Reetta Kälviäinen, Kuopio, Finland

11:00 am Epilepsy surgery after limbic encephalitis.
Christian Bien, Bielefeld, Germany

11:20 am Radio frequency ablation for FCD.
Jörg Wellmer, Bochum, Germany

11:40 am Stereotactic laser thermal ablation for
mTLE-HS and nodular heterotopia.
Nitin Tandon, Houston, USA

12:00 am Focused ultra sound – useful to remove
epileptogenic lesions?
Hartmut Vatter, Bonn, Germany

12:20 am Intraventricular drug application.
Mark Cook, Melbourne, Australia

12:40 am Tissue modification (transfection,
DREDDs, Optokinetics).
Matthew Walker, London, UK

1:00 pm **Lunch Break** Visit Exhibits and Posters
Satellite Symposium with Lunch available,
provided by NN

2:00 pm **Stimulation techniques, postsurgical
outcome prediction and management**
Chairs/Panel: R. Kälviäinen, S. Lhatoo,
K. M. Klein

2:00 pm **Keynote lecture 5: Current and future
role of stimulation techniques
VNS-SANTE-RNS.**
Andreas Schulze-Bonhage, Freiburg,
Germany

2:45 pm Postoperative cognitive and psychiatric
sequelae.
Christoph Helmstaedter, Bonn, Germany

3:05 pm Epigenetics in the neuropathological
diagnosis of epilepsy.
Patrick Harter, Frankfurt, Germany

3:25 pm Postoperative predictors of individual
seizure outcome: EEG, Imaging.
Susanne Knake, Marburg, Germany

3:45 pm Neuropathology of FCD today and in the
future, predictive of outcome.
Albert Becker, Bonn, Germany

4:05 pm Further management when surgery has
failed. *Alexis Arzimanoglou, Lyon, France*

4:25 pm **Coffee Break**

4:55 pm **Case Discussion – Bring your own Cases**

6:00 pm **Colloquium Adjourns**

11th International
Epilepsy Colloquium

Faculty

Alexis Arzimanoglou
Lyon, France

Renzo Guerrini
Florence, Italy

Andrew McEvoy
London, UK

Andreas Schulze-Bonhage
Freiburg, Germany

Sebastian Bauer
Frankfurt, Germany

Hajo M. Hamer
Erlangen, Germany

Jonathan Miller
Cleveland, USA

Michael Sperling
Philadelphia, USA

Albert Becker
Bonn, Germany

Patrick Harter
Frankfurt, Germany

Soheyl Noachtar *
Munich, Germany

Bernhard Steinhoff
Kork, Germany

Christian Bien
Bielefeld, Germany

Christoph Helmstaedter
Bonn, Germany

Rebecca O'Dwyer
Chicago, USA

Adam Strzelczyk
Frankfurt, Germany

Stephan Chabardes
Grenoble, France

Anke Hermsen
Frankfurt, Germany

Tilman Polster
Bielefeld, Germany

Nitin Tandon
Houston, USA

Francine Chassoux
Paris, France

Edouard Hirsch
Strasbourg, France

Stefan Rapp
Erlangen, Germany

Eugen Trinka
Salzburg, Austria

Mark Cook
Melbourne, Australia

Philippe Kahane
Grenoble, France

Philipp S. Reif
Frankfurt, Germany

Wim van Paesschen
Leuven, Belgium

Helen Cross
London, UK

Reetta Kälviäinen
Kuopio, Finland

Felix Rosenow
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Hartmut Vatter
Bonn, Germany

Beate Diehl
London, UK

Karl Martin Klein
Frankfurt, Germany

Karl Rössler
Erlangen, Germany

Matthew Walker
London, UK

John Duncan
London, UK

Susanne Knake
Marburg, Germany

Philippe Ryvlin
Lausanne, Switzerland

Yvonne Weber
Tübingen, Germany

**Guadalupe
Fernandez-Baca Vaca**
Cleveland, USA

Nuria Lacuey Lecumberri
Cleveland, USA

Susanne Schubert-Bast
Frankfurt, Germany

Tim Wehner
Bochum, Germany

Niels Focke
Göttingen, Germany

Samden Lhatoo
Cleveland, USA

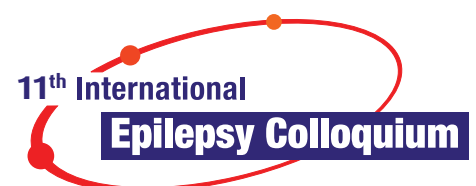
Stephan Schuele
Chicago, USA

Jörg Wellmer
Bochum, Germany

Thomas Freiman
Frankfurt, Germany

Hans Lüders
Cleveland, USA

* requested



11th International Epilepsy Colloquium – General Information

Target Audience

The **International Epilepsy Colloquium** is designed for epileptologists, neurosurgeons and neurologists. Residents/fellows, nurses, neuropsychologists, EEG technologists and other health care professionals may also find this education of value and are welcome to attend.

Call for abstracts

You are kindly invited to submit your poster abstract for the upcoming **International Epilepsy Colloquium**. Please refer to our web site (www.iec2018.com) for details and information on the submission process. The authors of the best posters will be invited to submit a manuscript for publication in a special issue of *Epilepsy & Behavior*, dedicated entirely to the International Epilepsy Colloquium. **Abstract submission deadline: February 5, 2018**

Participation fees

Medical Professionals Standard: 380 € | Early bird*: 330 € | Day ticket: 150 €

Non-Medical (Nurses, Medical Technicians, ...) Standard: 280 € | Early bird*: 230 € | Day ticket: 100 €

*Early bird registration until January 15, 2018

Conference tuition includes all educational sessions, breakfast bites and lunch each day, and access to the accompanying trade show during the entire event.

To participate at the evening reception of the event attendees must register separately at an extra admission fee of 75 €.

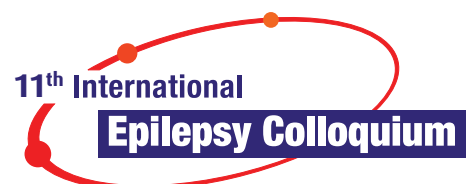
Registration

Please register via the online-form at www.iec2018.com

Online registrations are accepted until 2 pm CET March 1, 2018. Later registrations are only possible on site and have to be paid in cash. Cancellations received on or prior to March 1, 2018 will be refunded, less a 100 € cancellation fee. No refund will be given for cancellations received after March 1, 2018.

Acknowledgements

This conference will be supported by grants from industry. A complete listing of industry supporters can be found online on www.iec2018.com and in the conference booklet. Acceptance of funding in support of this conference does not constitute endorsement of any product or manufacturer.



Location/Accommodation

The City

Frankfurt, the financial capital of Germany, is located on the river Main in the center of Germany. It hosts international institutions such as the European Central Bank, and is known for its relaxed multicultural atmosphere, the museum embankment (Museumsufer) at the riverside and its traditional apple wine (Äppelwoi) restaurants and gardens. Frankfurt hosts excellent cultural attractions including the Opera House (Oper Frankfurt), the Old Opera (Alte Oper) and is home to two classical orchestras.

Accommodation

Conference organizers have reserved a block of rooms at Steigenberger Hotel Metropolitan and IntercityHotel Frankfurt for the nights from March 11 to March 14, 2018 at a discounted rate. Both hotels are located close to Frankfurt's central station. Frankfurt's old town and shopping district are only a 20 minute walk away. Taking the direct tram line 21 from central station to convention center (tram stop "Universitätsklinikum") is a 7 minute drive. Our room block is limited and the reservation option expires on December 17, 2017. Please mention "IEC 2018" when contacting the hotel to reserve your room at the discounted rate.

Please find the hotel contact data and addresses at the event's website at www.iec2018.com.

Evening reception

The evening reception (Tuesday March 13, 2018) will take place at "Depot 1899", a former streetcar building established in 1899. Please note that for participating at the evening reception a separate registration is required. The participation fee for the evening reception is 75 €, you will find the according option in the registration form. More information on "Depot 1899" can be found at www.depot1899.de.

