

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

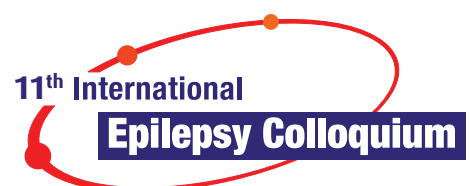
March 13: Presurgical Diagnosis and Epilepsy Surgery

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 – 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

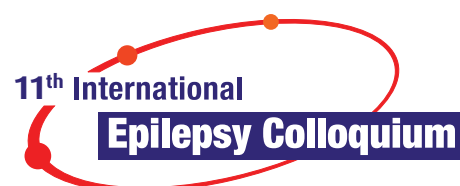
Location: University Hospital Frankfurt,
Theodor-Stern Kai 7
D-60590 Frankfurt, Germany

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

In cooperation with
LOEWE-Schwerpunkt CePTER -
Center for Personalized Translational Epilepsy Research.

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AGENDA | March 12, 2018 | Day 1: Diagnosis and Drug Treatment

9:00 am	Registration and Breakfast Bites Visit Exhibits	2:15 pm	Debate: Modern AED treatment of focal epilepsy
9:30 am	Welcome Address <i>Manfred Schubert-Zsilavecz, Vice President Goethe University Frankfurt; Volker Seifert, Director Department of Neurosurgery, University Hospital Frankfurt; Felix Rosenow, Director Epilepsy Center Frankfurt Rhine-Main, University Hospital Frankfurt</i>	2:15 pm	One strategy fits all – AED treatment can be standardized. <i>Günter Krämer, Zurich, Switzerland</i>
10:00 am	Debate: Diagnosis <i>Chairs/Panel: F. Rosenow, S. Knake, H. Lüders</i>	2:35 pm	Consider all patient characteristics – AED treatment should be individualized! <i>Felix Rosenow, Frankfurt, Germany</i>
10:00 am	Epilepsy Diagnosis standard algorithms are useful. <i>Stephan Schuele, Chicago, USA</i>	2:55 pm	Discussion
10:20 am	Epilepsy Diagnosis needs to be individualized. <i>Sebastian Bauer, Frankfurt, Germany</i>	3:05 pm	Precision Medicine approaches based on genetics. <i>Karl Martin Klein, Frankfurt, Germany</i>
10:40 am	Discussion	3:25 pm	Case Discussion: Individualized treatment. <i>Philipp Reif, Frankfurt, Germany</i>
10:50 am	Diagnostic approaches to differentiate focal from generalized epilepsy <i>Chairs/Panel: J. Duncan, P. Kahane, N. Lacuey</i>	3:45 pm	Coffee Break Visit Exhibits and Posters
10:50 am	Clinical History and Semiology. <i>Hans Lüders, Cleveland, USA</i>	4:15 pm	Individualized treatment approaches <i>Chairs/Panel: E. Hirsch, M. Sperling, R. Kälviäinen</i>
11:10 am	Neuroimaging. <i>Susanne Knake, Marburg, Germany</i>	4:15 pm	Nodular Heterotopia: Does MRI and genetic classification allow individualized treatment? <i>Renzo Guerrini, Florence, Italy</i>
11:30 am	EEG. <i>Guadalupe Fernandez-Baca Vaca, Cleveland, USA</i>	4:35 pm	TSC: disease modifying treatment with mTOR pathway inhibitors. Preventive vs. first line vs. add on therapy? <i>Susanne Schubert-Bast, Frankfurt, Germany</i>
11:50 am	The role of genetic testing. <i>Karl Martin Klein, Frankfurt, Germany</i>	4:55 pm	GLUT1-deficiency: Ketogenic diet. <i>Yvonne Weber, Tübingen, Germany</i>
12:10 pm	Case Discussion: Patient with generalized features and focal epilepsy or vice versa. <i>Tim Wehner, Bochum, Germany</i>	5:15 pm	Dravet-Syndrome: a) Cannabinoids. <i>Helen Cross, London, UK</i>
12:30 pm	Lunch Break Visit Exhibits and Posters	5:35 pm	Dravet-Syndrome: b) Fenfluramine. <i>Tilman Polster, Bielefeld, Germany</i>
	Industry symposium sponsored by GW-Pharmaceuticals <i>Chair: A. Strzelczyk</i>	5:55 pm	Dravet-Syndrome: c) Burden of disease. <i>Adam Strzelczyk, Frankfurt, Germany</i>
	Epileptic encephalopathies in adulthood. <i>Karl Martin Klein, Frankfurt, Germany</i>	6:15 pm	Case Discussion: Mesial temporal lobe epilepsy. <i>Soheyl Noachtar, Munich, Germany</i>
	Evolution of diagnostic criteria of LGS with age. <i>Alexis Arzimanoglou, Lyon, France</i>	6:35 pm	Discussion
1:30 pm	Drug Treatment <i>Chairs/Panel: H. Cross, R. Guerrini, S. Schubert-Bast</i>	6:45 pm	Keynote lecture 2: How to treat patients with a high SUDEP risk. <i>Samden Lhatoo, Cleveland, USA</i>
1:30 pm	Keynote lecture 1: Personalized epilepsy treatment – Concept and state of the art. <i>Matthew Walker, London, UK</i>	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	2:10 pm	sEEG in TSC. <i>Edouard Hirsch, Strasbourg, France</i>
8:30 am	Keynote Lectures <i>Chairs/Panel: A. Arzimanoglou, T. Polster, B. Diehl</i>	2:30 pm	Invasive electrodes to access cognitive function. <i>Beate Diehl, London, UK</i>
8:30 am	Keynote lecture 3: Seizure detection and prediction to individualize treatment. <i>Mark Cook, Melbourne, Australia</i>	2:50 pm	Current value of intraoperative ECoG. <i>Karl Rössler, Erlangen, Germany</i>
9:15 am	Keynote lecture 4: Special considerations in the pediatric population. <i>Helen Cross, London, UK</i>	3:10 pm	Case Discussion: Patient with both sEEG and subdural electrodes? <i>Nuria Lacuey Lecumberri, Cleveland, USA</i>
10:00am	Presurgical diagnosis of epilepsy. Noninvasive methods 1 <i>Chairs/Panel: S. Schuele, S. Rampp, W. van Paesschen</i>	3:30 pm	Epilepsy Surgery Debate: Scope and limitations of epilepsy surgery <i>Chairs/Panel: H. Hamer, S. Chabardes, A. McEvoy</i>
10:00 am	MRI in FCD: How to increase sensitivity? <i>Niels Focke, Göttingen, Germany</i>	3:30 pm	Epilepsy surgery is underused! <i>Michael Sperling, Philadelphia, USA</i>
10:20 am	EEG-biomarkers of the epileptogenic zone. <i>Hajo M. Hamer, Erlangen, Germany</i>	3:50 pm	Epilepsy surgery is overused! <i>John Duncan, London, UK</i>
10:40 am	Coffee Break Visit Exhibits and Posters	4:10 pm	Discussion
11:10 am	Presurgical diagnosis of epilepsy. Noninvasive methods 2 <i>Chairs/Panel: S. Noachtar, E. Trinka, H. Lüders</i>	4:20 pm	Case Discussion: Is there a place for surgical treatment of non-pharmacoresistent epilepsy? <i>Bernhard Steinhoff, Kork, Germany</i>
11:10 am	MEG: The contribution of magnetic (and EEG) source imaging and connectomics. <i>Stefan Rampp, Erlangen, Germany</i>	4:40 pm	Coffee Break Visit Exhibits and Posters
11:30 am	Ictal SPECT. <i>Wim van Paesschen, Leuven, Belgium</i>	5:10 pm	Indication, cost and safety of epilepsy surgery <i>Chairs/Panel: B. Steinhoff, M. Sperling, S. Lhatoo</i>
11:50 am	The role of PET today. <i>Francine Chassoux, Paris, France</i>	5:10 pm	Morbidity and mortality in the epilepsy monitoring unit: Can we do better? <i>Eugen Trinka, Salzburg, Austria</i>
12:10 pm	Neuropsychology: Diagnostic and predictive? <i>Anke Hermsen, Frankfurt, Germany</i>	5:30 pm	Is epilepsy surgery cost effective? <i>Adam Strzelczyk, Frankfurt, Germany</i>
12:30 pm	Case discussion: When are invasive studies necessary? <i>Philippe Kahane, Grenoble, France</i>	5:50 pm	Is age just a number when considering epilepsy surgery in older adults? <i>Sepehr Sani, Chicago, USA</i>
12:50 pm	Lunch Break Visit Exhibits and Posters Tour through Poster Presentations	6:10 pm	Discussion
1:50 pm	Presurgical diagnosis of epilepsy. Invasive methods <i>Chairs/Panel: P. Kahane, N. Tandon, T. Freiman</i>	6:20 pm	Adjourn for the Day
1:50 pm	Indication: sEEG, subdural electrodes or both – do we need standards? <i>Soheyl Noachtar, Munich, Germany</i>	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: B. Diehl, A. McEvoy, H. Vatter

10:40 am Stereotactic laser thermal ablation for mTLE-HS
and nodular heterotopia.
Nitin Tandon, Houston, USA

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 Epilepsy surgery for temporal Encephaloceles.
Reetta Kälviäinen, Kuopio, Finland

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

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

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

1:00 pm **Award ceremony for the best poster
presentation**

1:15 pm **Lunch Break** Visit Exhibits and Posters

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 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**

Faculty

Alexis Arzimanoglou
Lyon, France

Renzo Guerrini
Florence, Italy

Hans Lüders
Cleveland, USA

Michael Sperling
Philadelphia, USA

Sebastian Bauer
Frankfurt, Germany

Hajo M. Hamer
Erlangen, Germany

Andrew McEvoy
London, UK

Bernhard Steinhoff
Kork, Germany

Albert Becker
Bonn, Germany

Patrick Harter
Frankfurt, Germany

Jonathan Miller
Cleveland, USA

Adam Strzelczyk
Frankfurt, Germany

Christian Bien
Bielefeld, Germany

Christoph Helmstaedter
Bonn, Germany

Soheyl Noachtar
Munich, Germany

Nitin Tandon
Houston, USA

Stephan Chabardes
Grenoble, France

Anke Hermsen
Frankfurt, Germany

Tilman Polster
Bielefeld, Germany

Eugen Trinka
Salzburg, Austria

Francine Chassoux
Paris, France

Edouard Hirsch
Strasbourg, France

Stefan Rampp
Erlangen, Germany

Wim van Paesschen
Leuven, Belgium

Mark Cook
Melbourne, Australia

Philippe Kahane
Grenoble, France

Philipp S. Reif
Frankfurt, Germany

Hartmut Vatter
Bonn, Germany

Helen Cross
London, UK

Reetta Kälviäinen
Kuopio, Finland

Felix Rosenow
Frankfurt, Germany

Matthew Walker
London, UK

Beate Diehl
London, UK

Karl Martin Klein
Frankfurt, Germany

Karl Rössler
Erlangen, Germany

Yvonne Weber
Tübingen, Germany

John Duncan
London, UK

Susanne Knake
Marburg, Germany

Sepehr Sani
Chicago, USA

Tim Wehner
Bochum, Germany

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

Günter Krämer
Zurich, Switzerland

Susanne Schubert-Bast
Frankfurt, Germany

Jörg Wellmer
Bochum, Germany

Niels Focke
Göttingen, Germany

Nuria Lacuey Lecumberri
Cleveland, USA

Stephan Schuele
Chicago, USA

Thomas Freiman
Frankfurt, Germany

Samden Lhatoo
Cleveland, USA

Andreas Schulze-Bonhage
Freiburg, Germany



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 14, 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

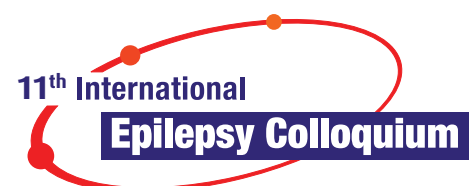
Please register via the online-form at www.iec2018.com

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.

The event's contents are product and service neutral. Funding and conflicts of interest will be published during/at the event. Potential conflicts of interests of the organizer, the scientific supervisor of the event, and the presenters will be disclosed to the participants by means of e. g. a self-disclosure on the first slide of the presentation.



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.

