

Frankfurt/Erlangen • Lyon/Grenoble • London • Cleveland

# 11<sup>th</sup> International Epilepsy Colloquium

March 12 - 14, 2018 | Frankfurt, Germany

Individualized  
Epilepsy Management:  
Medicines, Surgery  
and Beyond



## INVITATION



[www.iec2018.com](http://www.iec2018.com)

## Individualized Epilepsy Management: Medicines, Surgery and Beyond

The **11<sup>th</sup> 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](http://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!

11<sup>th</sup> International  
**Epilepsy Colloquium**

## 11<sup>th</sup> 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

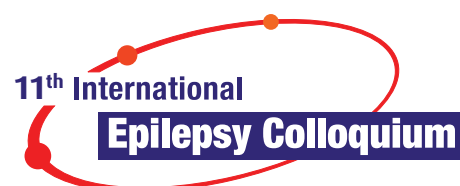
**Date:** March 12 - 14, 2018

**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	<b>Registration and Breakfast Bites</b> Visit Exhibits	2:15 pm	<b>Debate: Modern AED treatment of focal epilepsy</b>
9:30 am	<b>Welcome Address</b> <i>Manfred Schubert-Zsilavec, Volker Seifert, Felix Rosenow</i>	2:15 pm	One strategy fits all – AED treatment can be standardized. <i>Günter Krämer, Zurich, Switzerland</i>
10:00 am	<b>Debate: Diagnosis</b> <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	<b>Diagnostic approaches to differentiate focal from generalized epilepsy</b> <i>Chairs/Panel: J. Duncan, P. Kahane, N. Lacuey</i>	3:45 pm	<b>Coffee Break</b> Visit Exhibits and Posters
10:50 am	Clinical History and Semiology. <i>Hans Lüders, Cleveland, USA</i>	4:15 pm	<b>Individualized treatment approaches</b> <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	<b>Lunch Break</b> Visit Exhibits and Posters <b>Industry symposium</b> sponsored by GW-Pharmaceuticals:  Epileptic encephalopathies in adulthood. <i>Karl Martin Klein, Frankfurt, Germany</i>  Evolution of diagnostic criteria of LGS with age <i>Alexis Arzimanoglou, Lyon, France</i>	5:35 pm	Dravet-Syndrome: b) Fenfluramine. <i>Tilman Polster, Bielefeld, Germany</i>
1:30 pm	<b>Drug Treatment</b> <i>Chairs/Panel: H. Cross, R. Guerrini</i>	5:55 pm	Dravet-Syndrome: c) Burden of disease. <i>Adam Strzelczyk, Frankfurt, Germany</i>
1:30 pm	<b>Keynote lecture 1: Personalized epilepsy treatment – Concept and state of the art.</b> <i>Matthew Walker, London, UK</i>	6:15 pm	Case Discussion: Mesial temporal lobe epilepsy. <i>Soheyl Noachtar, Munich, Germany</i>
		6:35 pm	Discussion
		6:45 pm	<b>Keynote lecture 2: How to treat patients with a high SUDEP risk.</b> <i>Samden Lhatoo, Cleveland, USA</i>
		7:30 pm	<b>Adjourn for the Day</b>

## AGENDA | March 13, 2018 | Day 2: Presurgical Diagnosis and Epilepsy Surgery

<b>8:00 am</b>	<b>Registration and Breakfast Bites</b> Visit Exhibits	<b>1:50 pm</b>	<b>Presurgical diagnosis of epilepsy. Invasive methods</b> <i>Chairs/Panel: P. Kahane, N. Tandon, T. Freiman</i>
<b>8:30 am</b>	<b>Keynote Lectures</b> <i>Chairs/Panel: A. Arzimanoglou, T. Polster, B. Diehl</i>	1:50 pm	Indication: sEEG, subdural electrodes or both – do we need standards? <i>Soheyl Noachtar, Munich, Germany</i>
<b>8:30 am</b>	<b>Keynote lecture 3: Seizure detection and prediction to individualize treatment.</b> <i>Mark Cook, Melbourne, Australia</i>	2:10 pm	sEEG in TSC. <i>Edouard Hirsch, Strasbourg, France</i>
<b>9:15 am</b>	<b>Keynote lecture 4: Special considerations in the pediatric population.</b> <i>Helen Cross, London, UK</i>	2:30 pm	Invasive electrodes to access cognitive function. <i>Beate Diehl, London, UK</i>
<b>10:00am</b>	<b>Presurgical diagnosis of epilepsy. Noninvasive methods 1</b> <i>Chairs/Panel: S. Schuele, S. Rampp, W. van Paesschen</i>	2:50 pm	Current value of intraoperative ECoG <i>Karl Rössler, Erlangen, Germany</i>
10:00 am	MRI in FCD: how to increase sensitivity? <i>Niels Focke, Göttingen, Germany</i>	3:10 pm	Case discussion: Patient with both SEEG and subdural electrodes? <i>Nuria Lacuey Lecumberri, Cleveland, USA</i>
10:20 am	EEG-biomarkers of the epileptogenic zone. <i>Hajo M. Hamer, Erlangen, Germany</i>	<b>3:30 pm</b>	<b>Epilepsy Surgery – part 1. Debate: Scope and limitations of epilepsy surgery</b> <i>Chairs/Panel: H. Hamer, S. Chabardes, A. McEvoy</i>
<b>10:40 am</b>	<b>Coffee Break</b> Visit Exhibits and Posters	3:30 pm	Epilepsy surgery is underused! <i>Michael Sperling, Philadelphia, USA</i>
<b>11:10 am</b>	<b>Presurgical diagnosis of epilepsy. Noninvasive methods 2</b> <i>Chairs/Panel: S. Noachtar, E. Trinka, H. Lüders</i>	3:50 pm	Epilepsy surgery is overused! <i>John Duncan, London, UK</i>
11:10 am	MEG: The contribution of or magnetic (and EEG) source imaging and connectomics. <i>Stefan Rampp, Erlangen, Germany</i>	4:10 pm	Discussion
11:30 am	Ictal SPECT. <i>Wim van Paesschen, Leuven, Belgium</i>	4:20 pm	Case discussion: Is there a place for surgical treatment of non-pharmacoresistent epilepsy? <i>Bernhard Steinhoff, Kork, Germany</i>
11:50 am	The role of PET today. <i>Francine Chassoux, Paris, France</i>	<b>4:40 pm</b>	<b>Coffee Break</b> Visit Exhibits and Posters
12:10 pm	Neuropsychology: Diagnostic and predictive? <i>Anke Hermsen, Frankfurt, Germany</i>	<b>5:10 pm</b>	<b>Indication, cost and safety of epilepsy surgery</b> <i>Chairs/Panel: B. Steinhoff, M. Sperling, S. Lhatoo</i>
12:30 pm	Case discussion: When are invasive studies necessary? <i>Philippe Kahane, Grenoble, France</i>	5:10 pm	Morbidity and mortality in the epilepsy monitoring unit: Can we do better? <i>Eugen Trinka, Salzburg, Austria</i>
<b>12:50 pm</b>	<b>Lunch Break</b> Visit Exhibits and Posters	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>Sepehr Sani, Chicago, USA</i>
		6:10 pm	Discussion
		<b>6:20 pm</b>	<b>Adjourn for the Day</b>
		<b>7:30 pm</b>	<b>Reception</b>

## 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*

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**      **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

**Sebastian Bauer**  
Frankfurt, Germany

**Albert Becker**  
Bonn, Germany

**Christian Bien**  
Bielefeld, Germany

**Stephan Chabardes**  
Grenoble, France

**Francine Chassoux**  
Paris, France

**Mark Cook**  
Melbourne, Australia

**Helen Cross**  
London, UK

**Beate Diehl**  
London, UK

**John Duncan**  
London, UK

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

**Niels Focke**  
Göttingen, Germany

**Thomas Freiman**  
Frankfurt, Germany

**Renzo Guerrini**  
Florence, Italy

**Hajo M. Hamer**  
Erlangen, Germany

**Patrick Harter**  
Frankfurt, Germany

**Christoph Helmstaedter**  
Bonn, Germany

**Anke Hermsen**  
Frankfurt, Germany

**Edouard Hirsch**  
Strasbourg, France

**Philippe Kahane**  
Grenoble, France

**Reetta Kälviäinen**  
Kuopio, Finland

**Karl Martin Klein**  
Frankfurt, Germany

**Susanne Knake**  
Marburg, Germany

**Günter Krämer**  
Zurich, Switzerland

**Nuria Lacuey Lecumberri**  
Cleveland, USA

**Samden Lhatoo**  
Cleveland, USA

**Hans Lüders**  
Cleveland, USA

**Andrew McEvoy**  
London, UK

**Jonathan Miller**  
Cleveland, USA

**Soheyl Noachtar**  
Munich, Germany

**Tilman Polster**  
Bielefeld, Germany

**Stefan Rampp**  
Erlangen, Germany

**Philipp S. Reif**  
Frankfurt, Germany

**Felix Rosenow**  
Frankfurt, Germany

**Karl Rössler**  
Erlangen, Germany

**Sepehr Sani**  
Chicago, USA

**Susanne Schubert-Bast**  
Frankfurt, Germany

**Stephan Schuele**  
Chicago, USA

**Andreas Schulze-Bonhage**  
Freiburg, Germany

**Michael Sperling**  
Philadelphia, USA

**Bernhard Steinhoff**  
Kork, Germany

**Adam Strzelczyk**  
Frankfurt, Germany

**Nitin Tandon**  
Houston, USA

**Eugen Trinka**  
Salzburg, Austria

**Wim van Paesschen**  
Leuven, Belgium

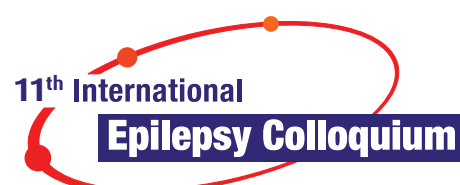
**Hartmut Vatter**  
Bonn, Germany

**Matthew Walker**  
London, UK

**Yvonne Weber**  
Tübingen, Germany

**Tim Wehner**  
Bochum, Germany

**Jörg Wellmer**  
Bochum, Germany







## 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](http://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](http://www.depot1899.de).

