

## ***What's the story?***

In 2015, Professors Jörg Wellmer and Susanne Knake founded the “Summer School on Imaging in Epilepsy” (SuSIE). The aim of the SuSIE was to provide a comprehensive course on topics covering the spectrum of structural and functional imaging in the field of epilepsy, epilepsy surgery as well as neighbouring topics (e.g. aspects in neurophysiology) and clinically relevant current research (e.g. new MRI sequences, postprocessing and AI). The SuSIE was organised annually as on-site event in Germany. The program included both presentations and fully interactive hands-on half- and full-day workshops

In the first years the SuSIE took place at the castle Rauischholzhausen near Marburg (Germany) with approximately 60 participants from more than 20 countries. In 2019, the venue was changed to Bochum, to accommodate a larger audience of approx. 100 participants. The program was extended by including sessions with a more research-oriented focus on separate days, but still within the general scope of the SuSIE. The AMIE was born (“AMIE – Annual Meeting on Imaging and Electrophysiology”).

Due to the Covid-pandemic, the AMIE & SuSIE 2020 and 2021 took place as purely virtual events. Over 450 participants from 50 countries attended the 9 (2020) to 13 (2021) different sessions during two days of AMIE & 15 lectures and 4 workshops during two days of SuSIE.

In 2022 we took the next step: The AMIE & SuSIE are now part of the official ILAE curriculum. **We are looking forward to seeing you at our virtual event in June 2023** and our next in-person meeting in 2024 in Berlin!

*The AMIE & SuSIE organizing committee*



# ***ILAE School on Neuroimaging (AMIE & SuSIE)***

***When: 15<sup>th</sup> – 17<sup>th</sup> June 2023; CEST***

***Where: virtual***

***Who: Researchers & Clinicians interested to  
learn more about methods and application  
of Imaging in Epilepsies***



## Course Structure

The course is divided into **3 parts**, where the AMIE and SuSIE are each targeted at specific groups and linked by the Lecture Day in the middle:

### AMIE

#### Target group:

Non-clinicians working scientifically in epilepsy

#### Aim:

Teaching basics about applied methods in

- AI-assisted MRI and EEG evaluation
- Connectivity analysis
- ESI/MSI

### Lecture Day

#### Target group:

Non-clinicians &  
Clinicians working in epilepsy

#### Aim:

Giving an overview about applied methods in imaging in epilepsy both clinically and scientifically

### SuSIE

#### Target group:

Clinicians working in epilepsy

#### Aim:

Teaching basics about imaging and applied methods as needed in daily clinical practice

## Program 2023

## ILAE School on Neuroimaging (AMIE & SuSIE)

“AMIE”				
Thursday, 15.6.2023				
Time	Type of Session	Zoom 1	Zoom 2	Zoom 3
CEST				
09:00 - 10:30	Basics - Overview	Connectivity analysis (DTI/structural)	ESI/MSI	
	Coffee Break			
10:45 - 12:15	Basics - Practical Examples + Q&A	Connectivity analysis (DTI/structural)	ESI/MSI	
	Lunch Break			
13:15 - 14:45	Basics - Overview	AI-assisted MRI evaluation	Combined PET and MRI Analysis	fMRI
	Coffee Break			
15:00 - 16:30	Basics - Practical Examples + Q&A	AI-assisted MRI evaluation	Combined PET and MRI Analysis	fMRI

This part of the program is aimed at participants with an interest in methods and application of Imaging in Epilepsies, who work mainly in research.

## Program 2023

## ILAE School on Neuroimaging (AMIE & SuSIE)

	Lecture Day		“SuSIE”			
Time	Friday, 16.06.2023	Time	Saturday, 17.06.2023			
CEST	Zoom 3	CEST	Type of Session	Zoom 1	Zoom 2	Zoom 3
09:00 - 10:30	MRI in Epilepsy (Clinical protocols, Finding the lesion, Epileptogenic lesions TLE)	09:00 - 10:30	Workshop	Reading MRI and finding EL	FDG-PET in clinical practice	MRI Tools in clinical practice
	Coffee Break		Coffee Break			
10:45 - 12:15	MRI in Epilepsy (Epileptogenic lesions ETLE (adult) & pediatric), Connectivity analysis	10:45 - 12:15	Workshop	ESI/MSI	fMRI: Language Lateralization (and localization)	MAP 18
	Lunch Break		Lunch Break			
13:15 - 14:45	ESI/ MSI, PET/SPECT MRI negative Epilepsy	13:15 - 14:45	Workshop	MRI Cases - adults - TLE	SPECT in clinical practice	DTI in clinical practice
	Coffee Break		Coffee Break			
15:00 - 16:30	MRI postprocessing ESI/MSI fMRI	15:00 - 16:30	Workshop	MRI Cases - adults - ETLE	MRI Cases - pediatric -	
17:30 - 18:30	Keynote Lecture: Stroke Epilepsy					

This part of the program is mainly aimed at participants with an interest in methods and application of Imaging in Epilepsies in clinical practice.

## Faculty

Sophie & Konrad Adler-Wagstyl (London, UK)  
Miriam Bopp (Marburg, Germany)  
Boris Bernhardt (Montreal, Canada)  
Silvia Bonelli-Nauer (Vienna, Austria)  
Ralph Buchert (Hamburg, Germany)  
Fernando Cendes (Campinas, Brazil)  
Lorenzo Caciagli (Pennsylvania, USA)  
David Carmichael (London, UK)  
Jon Clayden (London, UK)  
Felice D'Arco (London, UK)  
Marian Galovic (Zurich, Switzerland)  
Alexander Hammers (London, UK)  
Maria Ilyas-Feldmann (Berlin, Germany)  
Radek Janca (Prague, Czech Republic)  
Matthias Koepp (London, UK)  
Vicky Morgan (Nashville, USA)  
Stefan Rampp (Erlangen, Germany)  
Theodor Rüber (Bonn, Germany)  
Mirja Steinbrenner (Berlin, Germany)  
Christina Stier (Münster, Germany)  
Anna Vaudano (Modena, Italy)  
Christian Vollmar (Munich, Germany)  
Bernd Vorderwülbecke (Berlin, Germany)  
Serge Vuillemoz (Geneva, Switzerland)  
Jan Wagner (Ulm, Germany)  
Irene Wang (Cleveland, USA)  
Jörg Wellmer (Bochum, Germany)  
Clarissa Yasuda (Campinas, Brazil)

## Registration & Costs

Registration was closed on 31<sup>st</sup> May 2023. Further Details will be sent out via email to all registered participants.

If you need a ***certificate of attendance*** for your employer and for all ***further questions***, please contact us via email at [ilae.amie.susie@gmail.com](mailto:ilae.amie.susie@gmail.com)

***There is no registration fee for the virtual AMIE & SuSIE 2023***

---

## AMIE & SuSIE organizing committee

**Mirja Steinbrenner** (Charité – Universitätsmedizin Berlin, Epilepsy Center Berlin- Brandenburg, Germany)

**Stefan Rampp** (Neurochirurgische Universitätsklinik Erlangen, Germany)

**Maria Ilyas-Feldmann** (Charité – Universitätsmedizin Berlin, Epilepsy Center Berlin- Brandenburg, Germany)

