

## ***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 online during our lectures or in person during our workshops in Potsdam near Berlin!**

*The Organizing Committee*



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

***When: 15<sup>th</sup> – 18<sup>th</sup> May 2024; CEST***

***Where: Potsdam***

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



| Time (CEST)   | Wednesday, 15th May 2024  | Thursday, 16th May 2024  |          |                    | Friday, 17th May 2024      |                       |                     | Saturday, 18th May 2024      |        |        |
|---------------|---|--|----------|--------------------|----------------------------|-----------------------|---------------------|------------------------------|--------|--------|
| 08:00 - 09:00 | ARRIVAL   | Breakfast  |          |                    | Breakfast                  |                       |                     | Breakfast                    |        |        |
|               |   | Room 1   |          |                    | Room 2                     | Room 3                | Room 4              | Room 2                       | Room 3 | Room 4 |
| 09:30 - 11:00 |   | LECTURES<br>MRI in Epilepsy (TLE, ETLE, Epileptogenic lesions pediatric) |          |                    | WORKSHOPS                  |                       |                     | WORKSHOPS                    |        |        |
|               |   |  |          |                    | Source Imaging - Basics I  | Finding the lesion I  | TMS (language loc.) | Source Imaging - Hands-on I  | DTI I  |        |
|               |   | Coffee Break   |          |                    | Coffee Break               |                       |                     | Coffee Break                 |        |        |
| 11:30 - 13:00 |   | LECTURES<br>PET/SPECT, ESI/MSI<br>Connectivity analysis                  |          |                    | Source Imaging - Basics II | Finding the lesion II |                     | Source Imaging - Hands-on II | DTI II |        |
|               |   |  |          |                    | Lunch Break                |                       |                     | Lunch Break                  |        |        |
|               | Room 1  | Room 2   | Room 3   | Room 4             | Room 2                     | Room 3                | Room 4              |                              |        |        |
| 14:00 - 15:30 | LECTURES<br>MRI in Epilepsy (Physics, Clinical protocols, How to find the lesion) | WORKSHOPS  |          |                    | WORKSHOPS                  |                       |                     |                              |        |        |
|               |   | PET I  | MAP18 I  | MRI in Children I  | MRI in TLE                 | fMRI language         | Virtual Brain I     |                              |        |        |
|               | Coffee Break  | Coffee Break   |          |                    | Coffee Break               |                       |                     |                              |        |        |
| 16:00 - 17:30 | LECTURES<br>(MRI negative Epilepsy MRI postprocessing, fMRI)                      | PET II   | MAP18 II | MRI in Children II | MRI in ETLE                | fMRI motor            | Virtual Brain II    |                              |        |        |
|               | POSTER PRESENTATION   | Keynote lecture  |          |                    | POSTER PRESENTATION        |                       |                     |                              |        |        |
| 18:30 - 19:30 | Dinner  | Dinner   |          |                    | Dinner                     |                       |                     |                              |        |        |

LECTURES: hybrid (possibility for in-person attendance or online via stream)

WORKSHOPS, Keynote lecture, POSTER PRESENTATION in-person only

## Faculty

Miriam Bopp (Marburg, Germany)  
Boris Bernhardt (Montreal, Canada)  
Fernando Cendes (Campinas, Brazil)  
Lorenzo Caciagli (Pennsylvania, USA)  
David Carmichael (London, UK)  
Jon Clayden (London, UK)  
Felice D'Arco (London, UK)  
Nicholas Fearn (Munich, Germany)  
Florian Fischermeister (Vienna, Austria)  
Alexander Hammers (London, UK)  
Ev-Christin Heide (Göttingen, Germany)  
Maria Ilyas-Feldmann (Berlin, Germany)  
Vicky Morgan (Nashville, USA)  
Stefan Rampp (Erlangen, Germany)  
Radeshyam Stepponat (Vienna, Austria)  
Mirja Steinbrenner (Berlin, Germany)  
Anna Tietze (Berlin, 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)  
Carolin Weiß-Lucas (Cologne, Germany)  
Jörg Wellmer (Bochum, Germany)  
Friedrich Woermann (Bielefeld, Germany)

## Registration

Please refer to the **ILAE website** to access the **online registration forms**: <https://www.ilae.org/congresses/ilae-school-on-neuroimaging-2024>

You can either register for the live stream of the lectures or to attend the event in person including participation of hands-on workshops. In case of questions, please **refer to our FAQ** and/ or contact us via email: [ison.epilepsy@gmail.com](mailto:ison.epilepsy@gmail.com)

## 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)



**We thank our Sponsors for supporting this event!**

