

## INTERNATIONAL FACULTY (requested)

Dr. med. Georg Bauer,  
Strausberg/ Wriezen, Germany

Nnange Ekwelle,  
Strausberg/ Wriezen, Germany

Prof. Dr. Christian Jenssen,  
Strausberg/ Wriezen, Germany

Dr. med. Horst Kinkel,  
Düren, Germany

Torben Lorentzen MD PhD,  
Copenhagen, Denmark

Dr. med. Thomas Müller,  
Wiesbaden, Germany

Prof. Dr. med. Dieter Nürnberg,  
Neuruppin, Germany

Prof. Zeno Sparchez, MD PhD  
Cluj Napoca, Romania

Dr. med. Matthias Wüstner,  
Trier, Germany

Dr. med. Thomas Ybinger,  
Vienna, Austria

Dr. med. Krisztina Zels,  
Königs Wusterhausen, Germany

## GENERAL INFORMATION

### Venue

Hotel Aquino and Congress Centre of the  
Catholic Academy  
Hannoversche Str. 5B, 10115 Berlin, Germany  
[www.hotel-aquino.de](http://www.hotel-aquino.de)

### Congress Language

English

### Organisation

Campus ACADEMY ug  
c/o ukrb Haus „O“ R. 212  
Fehrbelliner Str. 38, 16816 Neuruppin  
Tel.: +49 (0)176 6861 8854  
E-Mail: [info@campusacademy-neuruppin.de](mailto:info@campusacademy-neuruppin.de)  
<https://campusacademy-neuruppin.de>

### Certification

CME credits will be awarded by  
Landesärztekammer Berlin.  
The Euroson school will be approved as  
DEGUM-Modul Interventional  
US I & II by the German Society for  
Ultrasound in Medicine (DEGUM).

### Attendance Fee

520€ incl. VAT. Attendance fee includes  
EFSUMB and DEGUM certificates.

Breaks are covered by the organiser. A social event will be organized and is included. Accommodation has to be organized by the participants.

## SPONSORS

We thank the following companies for their support



## 7th Euroson-School

Interventional Ultrasound

April 15 - 17 2024

Berlin, Germany



Campus ACADEMY



## INVITATION

### Euroson School Interventional Ultrasound Berlin April 15th - 17th 2024

The Berlin Euroson School on Interventional Ultrasound was founded by Dieter Nürnberg and Klaus Schlottmann under the patronage of the Berlin-Brandenburg Ultrasound Society in 2010 and has since been well established in the European Interventional US community. The 7th Euroson-School 2024 offers you a well-balanced mixture of lectures and hands on training in almost all fields of sonographically guided interventions. Round table discussions and controversial sessions will help to offer an interesting and vivid learning ambience. European experts invite you to expand your knowledge and improve your skills – experienced sonographers are as welcome as “interventional novices”. Our Euroson school includes seven hours of hands-on training and interactive discussion. Sophisticated phantoms (biopsy, drainage, ablation) and ultrasound machines from handheld devices to high-end machines will be provided. Program will start in the late morning on Monday. Certificates will be handed out on Wednesday.

We are looking forward to a lively, instructive and inspiring Euroson School and invite you to join us in Berlin in April 2024.

Prof. Dr. Christian Jenssen, Dr. Thomas Müller  
*Course Organisers*

## PROGRAM, Monday April 15th

- 10.30 Welcome (*Jenssen, Müller*)  
**Basics** **Chairs: Müller, Jenssen**
- 10.45 Principles of needle guidance: in plane / out of plane freehand / biopsy attachment / puncture probe (*Müller*)
- 11.05 Needle types: Principles and function  
Full core (Biopince), Side notch (TruCut), Vacuum (Menghini), other principles  
Access: Directly vs. coaxial technique (*Wüstner*)
- 11.25 HOT 1: Material: Needle types, drainages, in plane / out of plane technique (Faculty)**  
Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection Methods (*Manufacturers, Companies*)
- 13.25 *Lunch break*
- US-guided biopsy: conditions for diagnostic success** **Chairs: Nürnberg, Lorentzen**
- 14.15 Difficult access: Targeting & needle guidance by CEUS, fusion & needle tracking (*Wüstner*)
- 14.35 CNB or FNA? Histology or cytology? What is needed when? (*Jenssen*)
- Conditions for a safe biopsy/ intervention** **Chairs: Nürnberg, Lorentzen**
- 14.55 Coagulation status and prevention of bleeding complications (*Jenssen*)
- 15.15 Infection prevention (*Müller*)
- 15.35 Sedation or local anaesthesia or nothing at all? (*Kinkel*)
- 15.50 Tumour seeding: a real risk? (*Lorentzen*)
- 16.10 *Coffee break*
- Round table** **Chair: Ybinger**
- 16.30 Kinkel, Lorentzen, Jenssen, Nürnberg, Zels Experience and Evidence: best practice in US-guided biopsy. How many needles should be in your cupboard? Most appropriate needle diameter, guidance and targeting, preparation of material (cytology, histology)
- 17.05 *End of first day*

## PROGRAM, Tuesday April 16th

- Biopsies of particular tissues I** **Chairs: Sparchez, Wüstner**
- 8.00 Lymph nodes: biopsy or extirpation? (*Nürnberg*)  
Pathologists comment (*Zels*)
- 8.20 Focal Liver Lesions: Which to puncture? (*Kinkel*)  
Pathologists comment (*Zels*)
- 8.40 Diffuse Liver disease: Is biopsy still necessary in times of elastography? (*Jenssen*)  
Pathologists comment (*Zels*)
- 9.00 Renal cancer: biopsy or primary resection? (*Kinkel*)
- Round table** **Chair: Lorentzen**
- 9.20 Jenssen, Nürnberg, Ybinger, Zels Clinicians and pathologist in dialogue  
Biopsy in an oncological case: plan, perform, interpret
- Biopsies of particular tissues II** **Chairs: Nürnberg, Ybinger**
- 9.40 Thyroid: What to puncture and how? (*Müller*)
- 9.55 Pancreas: if biopsy at all – always better by EUS? (*Jenssen*)
- 10.15 Spleen: really do it? (*Müller*)
- 10.35 Lung tumour biopsy: if you can see it...(*Müller*)
- 10.55 *Coffee break*
- 11.15 HOT 2: Biopsy Training.** In plane, out of plane, with and without attachment (*Faculty*)  
Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection methods (*Manufacturers, Companies*)
- 13.15 *Lunch break*
- Drainage placement - Basics** **Chairs: Bauer, Kinkel**
- 14.00 Types of drainages: which to use when and why?  
Pigtail drainage, Mushroom drainage, Sump drainage (*Wüstner*)
- 14.20 How to place a drainage: Seldinger’s way, Trokar technique (*Kinkel*)
- 14.40 Supportive use of CEUS (*Wüstner*)
- Specific Drainages and i.v. lines** **Chairs: Sparchez, Kinkel**
- 14.55 Vascular access (*Müller*)

- 15.10 Optimal treatment of abscesses and empyemas  
The sonologist’s view (*Sparchez*)  
Surgeon’s opinion (*Bauer*)
- 15.30 *Coffee break*
- 15.50 Acute cholecystitis: is percutaneous drainage an option? (*Müller*)  
Surgeon’s comment (*Bauer*)
- 16.10 PTCd: the percutaneous and the rendezvous approach (*NN*)
- 16.30 EUS-guided biliary drainages: gadget or benefit? (*Jenssen*)
- 16.45 Pitfalls in interventional ultrasound (*Faculty*)
- 17.00 The urinary system: Nephrostomy and bladder fistula (*Lorentzen*)
- Round table** **Chair: NN**
- 17.20 Experience and Evidence: best practice in US-guided drainage (best drainage type, lock or not lock, how to fix: Threadlock, Harzmann-Disc, Suture; best diameter, inside/outside/ both, suction, flushing, ...) (*Faculty*)
- 18.00 *End of second day*
- 19.00 *social event*

## PROGRAM, Wednesday April 17th

- Locally ablative therapies** **Chairs: Lorentzen, Ybinger**
- 9.00 Basic principles of ethanol, heat and cold and HIFU...(*Ybinger*)
- 9.15 Unresectable liver tumours: what can we do and how? (*Lorentzen*)
- 9.30 Cyst therapy by ethanol or what else? (*Sparchez*)
- 9.50 Thyroid nodules in patients not eligible for surgery – how about alcohol? (*Müller*)
- 10.05 HOT 3: Drainage** placement, vascular access, locally ablative therapies  
Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection methods (*Manufacturers, Companies*)
- 12.00 *Lunch break*
- Pitfalls: Lessons learnt from what went wrong** **Chairs: Jenssen, Sparchez**
- 12.45 Case presentations and discussion (*Faculty and Participants*)
- 13.45 Closing words and certificates (*Müller, Jenssen*)
- 14.00 *End of Euroson School 2024*