

## INVITED INTERNATIONAL FACULTY

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Dr. Joachim Stock  
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Dr. Matthias Wüstner  
Kassel, Germany

Dr. Thomas Ybinger  
Vienna, Austria

## SPONSORS

Sponsors are invited.

## GENERAL INFORMATION

**Venue:**  
Hotel Aquino and Congress Centre  
of the Catholic Academy  
Hannoversche Straße 5 B  
10115 Berlin

**Congress language:**  
English

**Attendance fee:**  
650 € incl. VAT Early Bird Ticket  
(until January 30, 2027)  
750 € incl. VAT Standard Ticket

Attendance fee includes EFSUMB and  
DEGUM certificates as well as coffee breaks  
and lunch.

Participation in a social event will be offered  
to all participants (not included in the fee).

Participants are kindly asked to make their  
own arrangements for accommodations.  
A limited number of rooms have been  
reserved for participants which can be booked  
on a first-come, first-served basis. To make a  
reservation, please contact Hotel Aquino (+49  
30 28486-0, [info@hotel-acquino.de](mailto:info@hotel-acquino.de)) and use  
the booking code \*INVUS 2027\*.

**Certification:**  
CME credits will be awarded by Ärztekammer  
Berlin. The EUROSON-School will be approved  
as DEGUM-Modul Interventional US I & II by  
the German Society for Ultrasound in  
Medicine (DEGUM).

**Organization & Registration:**  
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# Campus ACADEMY

## 8th EUROSON-School

### Interventional Ultrasound

**April 15 - 17, 2027**  
**Berlin, Germany**

Preliminary program



INVITATION

The Berlin EUROSOS-School on Interventional Ultrasound was founded by Dieter Nürnberg and Klaus Schlotttmann under the patronage of the Berlin-Brandenburg Ultrasound Society in 2010 and has since been well established in the European Interventional US community.

The 8th EUROSOS-School 2027 on Interventional Ultrasound is certified by the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB). An application is being made for certification by the German Society for Ultrasound in Medicine (DEGUM) covering Modules I and II "Interventional Ultrasound", and for recognition by the Physicians Chamber as a Continuing Medical Education (CME) course. It offers you a well-balanced mixture of lectures and hands on training in almost all fields of ultrasound-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 EUROSOS-School includes 9.5 hours of hands on training ("HOT") and interactive roundtable discussions. Sophisticated phantoms (biopsy, drainage, ablation) and ultrasound machines from handheld devices to high-end machines will be provided.

We are looking forward to a lively, instructive and inspiring EUROSOS-School and invite you to join us in Berlin in April 2027.

Best wishes,

Prof. Dr. Christian Jenssen &  
Dr. Thomas Müller

Course Directors

PROGRAM, DAY 1

|                                                            |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.30                                                      | Welcome ( <i>Jenssen &amp; Müller</i> )                                                                                                                                                                                                               |
| <b>Basics</b>                                              |                                                                                                                                                                                                                                                       |
| 10.45                                                      | Principles of needle guidance: in plane / out of plane / freehand / biopsy attachment / puncture probe ( <i>Müller</i> )                                                                                                                              |
| 11.05                                                      | Needle types: principles and function, full core (Biopince), side notch (TruCut), vacuum (Menghini), other principles<br>Access: directly vs. coaxial technique ( <i>Wüstner</i> )                                                                    |
| 11.25                                                      | <b>HOT 1: Material</b><br>Needle types, drainages, in plane / out of plane technique ( <i>Faculty</i> )<br>Simultaneously: exhibition of US machines, interventional materials, attachments, disinfection methods ( <i>Manufacturers, Companies</i> ) |
| 13.25                                                      | Lunch break                                                                                                                                                                                                                                           |
| <b>US-guided biopsy: conditions for diagnostic success</b> |                                                                                                                                                                                                                                                       |
| 14.15                                                      | Difficult access: targeting and needle guidance ( <i>Jo</i> )                                                                                                                                                                                         |
| 14.35                                                      | CNB or FNA? Histology or cytology? What is needed when? ( <i>Jenssen</i> )                                                                                                                                                                            |
| <b>Conditions for a safe biopsy/ intervention</b>          |                                                                                                                                                                                                                                                       |
| 14.55                                                      | Coagulation status and prevention of bleeding complications ( <i>Jenssen</i> )                                                                                                                                                                        |
| 15.15                                                      | Infection prevention ( <i>Müller</i> )                                                                                                                                                                                                                |
| 15.35                                                      | Sedation or local anaesthesia or nothing at all? ( <i>Wüstner</i> )                                                                                                                                                                                   |
| 15.50                                                      | Tumor seeding: a real risk? ( <i>Lorentzen</i> )                                                                                                                                                                                                      |
| 16.10                                                      | Coffee break                                                                                                                                                                                                                                          |
| 16.30                                                      | <b>Round table: Best practice in US-guided biopsy</b><br>How many needles should be in your cupboard? Most appropriate needle diameter, guidance and targeting, preparation of material (cytology, histology)                                         |
| 17.00                                                      | <b>HOT 2: „Simple Things“</b><br>In plane / out of plane, with / without attachment ( <i>Faculty</i> )<br>Simultaneously: exhibition of US machines, interventional materials, attachments, disinfection methods ( <i>Manufacturers, Companies</i> )  |
| 18.00                                                      | End of day 1                                                                                                                                                                                                                                          |

PROGRAM, DAY 2

|                                          |                                                                                                                                                                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biopsies of particular tissues I</b>  |                                                                                                                                                                                                                                                      |
| 8.00                                     | Lymph nodes: biopsy or extirpation ( <i>Nürnberg</i> )                                                                                                                                                                                               |
| 8.20                                     | Focal Liver Lesions: how and which to sample? ( <i>Jenssen</i> )                                                                                                                                                                                     |
| 8.40                                     | Diffuse Liver disease: (when) is biopsy still necessary in times of elastography? ( <i>Moga</i> )                                                                                                                                                    |
| 9.00                                     | Renal cancer: biopsy or primary resection? ( <i>Sparchez</i> )                                                                                                                                                                                       |
| 9.20                                     | <b>Round table: Clinicians and pathologist in dialogue</b><br>Biopsy in an oncological case: plan, perform, interpret                                                                                                                                |
| <b>Biopsies of particular tissues II</b> |                                                                                                                                                                                                                                                      |
| 9.40                                     | Thyroid: what needs to be sampled and how? ( <i>Müller</i> )                                                                                                                                                                                         |
| 9.55                                     | Pancreas: if biopsy at all - always better by EUS? ( <i>Jenssen</i> )                                                                                                                                                                                |
| 10.10                                    | Spleen: really do it? ( <i>Jenssen</i> )                                                                                                                                                                                                             |
| 10.25                                    | Lung tumour biopsy: if you can see it... ( <i>Sparchez</i> )                                                                                                                                                                                         |
| 10.40                                    | Bowel / GI-Tract: is there a role for percutaneous biopsy? ( <i>Lorentzen</i> )                                                                                                                                                                      |
| 10.55                                    | Coffee break                                                                                                                                                                                                                                         |
| 11.15                                    | <b>HOT 3: Biopsy Training</b><br>In plane / out of plane, with / without attachment ( <i>Faculty</i> )<br>Simultaneously: exhibition of US machines, interventional materials, attachments, disinfection methods ( <i>Manufacturers, Companies</i> ) |
| 13.15                                    | Lunch break                                                                                                                                                                                                                                          |
| <b>Drainage placement - Basics</b>       |                                                                                                                                                                                                                                                      |
| 14.00                                    | Types of drainages: which to use when and why? Pigtail drainage, mushroom drainage, sump drainage ( <i>Jo</i> )                                                                                                                                      |
| 14.20                                    | How to place a drainage: Seldinger's approach, Trokar technique ( <i>Wüstner</i> )                                                                                                                                                                   |
| 14.40                                    | Supportive use of CEUS ( <i>Jenssen</i> )                                                                                                                                                                                                            |
| <b>Specific Drainages and i.v. lines</b> |                                                                                                                                                                                                                                                      |
| 14.55                                    | Vascular access ( <i>Müller</i> )                                                                                                                                                                                                                    |
| 15.10                                    | Optimal treatment of abscesses and empyemas:<br>The sonologist's view ( <i>Moga</i> )<br>Surgeon's opinion ( <i>Ekwelle</i> )                                                                                                                        |
| 15.30                                    | Coffe break                                                                                                                                                                                                                                          |

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| 15.50 | Acute cholecystitis: is percutaneous drainage an option? ( <i>Müller</i> )<br>Surgeon´s comment ( <i>Ekwelle</i> )                                                                                                              |
| 16.10 | PTCD: the percutaneous and the rendezvous approach ( <i>Nürnberg</i> )                                                                                                                                                          |
| 16.30 | Tunneled catheters for long-term drainage: thoracic and peritoneal ( <i>Lorentzen</i> )                                                                                                                                         |
| 16.45 | The urinary system: percutaneous nephrostomy and bladder fistula ( <i>Lorentzen</i> )                                                                                                                                           |
| 17.00 | The ultrasound interventionalist as a pathfinder: wire marking, fiducial placement, TIPSS-guidance (Stock)                                                                                                                      |
| 17.20 | <b>Round table: Best practice in US-guided drainage</b><br>Best drainage type, lock or not lock, how to fix: Threadlock, Harzmann-Disc, suture; best diameter, inside/outside/ both, suction, flushing, ...) ( <i>Faculty</i> ) |
| 18.00 | End of day 2                                                                                                                                                                                                                    |
| 19.00 | Social event                                                                                                                                                                                                                    |

PROGRAM, DAY 3

|                                                      |                                                                                                                                                                                                                                                            |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Locally ablative therapies</b>                    |                                                                                                                                                                                                                                                            |
| 9.00                                                 | Basic principles of ethanol, heat and cold and HIFU...( <i>Ybinger</i> )                                                                                                                                                                                   |
| 9.15                                                 | Unresectable liver tumours: what can we do and how? ( <i>Ybinger</i> )                                                                                                                                                                                     |
| 9.30                                                 | Cyst therapy by ethanol or what else? ( <i>Sparchez</i> )                                                                                                                                                                                                  |
| 9.50                                                 | Thyroid nodules in patients not eligible for surgery - how about ablation? ( <i>Müller</i> )                                                                                                                                                               |
| 10.00                                                | <b>HOT 4: Drainage Training</b><br>Placement, vascular access, locally ablative therapies ( <i>Faculty</i> )<br>Simultaneously: exhibition of US machines, interventional materials, attachments, disinfection methods ( <i>Manufacturers, Companies</i> ) |
| 12.00                                                | Lunch break                                                                                                                                                                                                                                                |
| <b>Pitfalls: Lessons learnt from what went wrong</b> |                                                                                                                                                                                                                                                            |
| 12.45                                                | <b>Interactive case discussions</b> ( <i>Faculty and Participants</i> )                                                                                                                                                                                    |
| 13.45                                                | Closing words and certificates ( <i>Jenssen &amp; Müller</i> )                                                                                                                                                                                             |
| 14.00                                                | End of EUROSOS-School INVUS 2027                                                                                                                                                                                                                           |

\* Subject to change\*