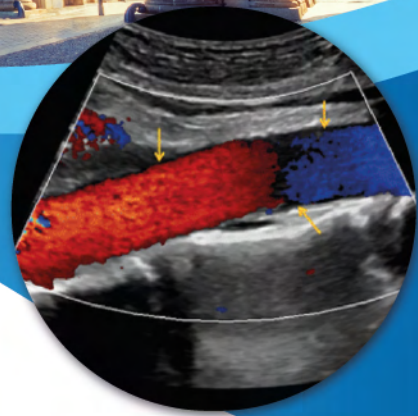


EFSUMB

European Federation of Societies for Ultrasound in Medicine and Biology



Summer **SCHOOL**



PROGRAMME

Student & Residents Summer School

Aquino Hotel, Berlin

4 - 6 September 2025

efsumb-studentschool.org

MAIN SPONSOR LOGO



Student Summer School

Organising Committee

Bernhard Eichinger
Caroline Ewertsen
Christian Jenssen
Dieter Nürnberg
Alina Popescu
Klara Bay Rask
Roxana Sirli
Sophie-Luise Sänger

Faculty

Ulrike Bachmann
Codruta Constantinescu
Vito Cantisani
Caroline Ewertsen
Thomas Fischer
Christian Jenssen
Claudia Lucius
Michael Ludwig
Dieter Nürnberg
Alina Popescu
Roxana Sirli

Partners

Brandenburg Institute for Clinical Ultrasound
Bundeswehrkrankenhaus Berlin (Federal Armed Forces Hospital Berlin)
Charité Berlin, Interdisziplinäres US-Zentrum, Institut für Radiologie im CC6
International Federation of Medical Students Associations (IFMSA)
Medical University Brandenburg 'Theodor Fontane'
Campus Academy, Neuruppin, Germany

Local Organising Committee

Ulrike Bachmann
Christian Jenssen
Claudia Lucius
Michael Ludwig
Dieter Nürnberg
Constantin Remus

Paul Spieseke
Mathias Kasper
Isabell Zieger
Sebastian Kunkel
Imogen Giesen
Constantin Remus
Tino Hofmann
Kasper Bitzer
Kristoffer B. Kristiansen
Marcin Czezelewski
Eryk Mikos

Young EFSUMB

EUROSON Students Summer School, September 4 – 6, 2025, Berlin

- for medical students and 1st and 2nd year residents

Dear medical students and young doctors,

One of the most important strategic goals of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB) is to improve medical students' ultrasound education. The medical students who are enthusiastic about ultrasound are the future of ultrasound in Europe and the future of EFSUMB. We have established Young EFSUMB with a Students' committee and Students' Ultrasound Congresses (STUC) among other things. The enthusiasm of the participating medical students is amazing and vital and crucial for our future development.

Not all European countries support medical students' ultrasound education at universities and in the national ultrasound societies. This is why EFSUMB, with the support of the International Federation of Medical Students Associations (IFMSA), has decided to create a new Euroson Students' Summer School to support medical students and 1st and 2nd year residents in learning how to use ultrasound and to teach their fellow students and young.

We kindly invite you to participate in the very first EFSUMB summer school in Berlin from September 4 – 6, 2025 in Hotel Aquino, very close to the vibrant city center of Berlin and the famous Charité hospital with links to names as Rudolf Virchow, Robert Koch and Ferdinand Sauerbruch. Please share the invitation with your fellow students.

The program with its two levels is designed for real beginners, but also for medical students and young residents with some basic experience in ultrasound. We have included many live demonstrations and hands-on sessions in the program, will combine learning with entertainment, interactive cases, brainstorming, exchange of views and experiences, and learning how to teach your fellows students. We warmly invite you to join us for the next step of our Young EFSUMB project!

Looking forward to meeting you in Berlin in September 2025,

Caroline Ewertsen
EFSUMB President

Christian Jenssen Alina Popescu
Summer School Directors

Sophie-Luise Sänger
Chair, EFSUMB
Students Committee

EFSUMB Student & Resident Summer School

Day 1 ~ Thursday 4th September 2025, AM

BASIC COURSE		ADVANCED COURSE	
09:00 – 09:15 Welcome and practical issues			
09:15 – 09:35			
Echo and Narciss: A journey to the origins of ultrasound Dieter Nürnberg			
09:40 – 10:10			
Basics of ultrasound (physics, transducer orientation etc) (30 min) Caroline Ewertsen		Basics of Doppler ultrasound (30 min) Christian Jenssen	
10:15 – 10:45			
How to improve a system in 5 steps (30 min) with live demonstration Caroline Ewertsen		How to improve a system in 5 steps (30 min) with live demonstration Alina Popescu	
10:45 – 11:05 Coffee break			
11:05 – 11:45			
<u>Hands-on:</u> How to find your way in the abdomen and optimizing the image (40 min)		How to examine the carotids with live demonstration (40 minutes) Vito Cantisani	
11:50 – 12:30			
How to examine the liver with live demonstration (40 min) Roxana Sirli		<u>Hands-on:</u> Optimizing Doppler and examine the carotids (40 min)	
12:30 – 13:30 Lunch			

EFSUMB Student & Resident Summer School

Day 1 ~ Thursday 4th September 2025, PM

BASIC COURSE		ADVANCED COURSE	
13:30 – 14:10			
<u>Hands-on:</u> Liver (40 min)		Pediatric ultrasound and the role of CEUS (40 min) Zoltan Harkanyi	
14:15 – 14:55			
How to examine the gallbladder, bile ducts and pancreas with live demonstration (45 min) Christian Jenssen		<u>Hands-on:</u> Neck (thyroid, salivary glands, lymph nodes, vessels) (45 mins)	
14:55 – 15:20 Coffee Break			
15:20 – 16:20			
4 VIP (very important pathology) interactive cases: misleading artifacts, gall stones, bile ducts, abdominal case (60 min) Alina Popescu, Roxana Sirli		4 VIP (very important pathology) interactive cases: misleading artifacts, pathological lymph node, thyroid case, portal vein thrombosis (60 min) Vito Cantisani, Caroline Ewertsen	
16:20 – 17:20 Late afternoon brainstorming			
How to implement ultrasound in the university curriculum: experiences, obstacles, approaches Round table chaired by Dieter Nürnberg, participants: Students Committee Member, Constantin Remus, Ulrike Bachmann		Mastering the art of teaching – Theoretical foundations for teaching Ultrasound (30 min), Moderation of 30 min discussion together with Codruta Constantinescu	
18:30 – 23:00 An evening with Rudolf Virchow			
<i>A visit in the Charité Museum on history of medicine (The Virchow Cabinet) and tutor city walk to bars. See last page for details.</i>			

Faculty



Christian Jenssen



Dieter Nürnberg



Alina Popescu



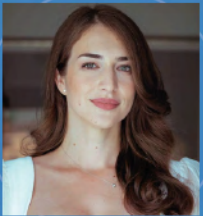
Roxana Sirli



Caroline Ewertsen



Vito Cantisani



Codruta Constantinescu



Zoltan Harkanyi



Thomas Fischer



Claudia Lucius

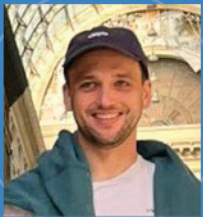


Michael Ludwig



Paul Spieseke

Student Faculty



Mathias Kasper



Isabell Zieger



Sebastian Kunkel



Imogen Giesen



Constantin Remus



Tino Hofmann



Kasper Bitzer



Kristoffer B. Kristiansen



Sophie-Luise Sänger



Klara Bay Rask



Bernhard Eichinger



Marcin Czezelewski



Eryk Mikos

EFSUMB Student & Resident Summer School

Day 2 ~ Friday 5th September 2025, AM

BASIC COURSE	ADVANCED COURSE
08:30 – 08:55 Good morning quiz: do we still remember what we learned the day before?	
09:00 – 09:40	
<u>Hands-on:</u> Gallbladder, bile ducts and pancreas (45 min)	Decoding the Liver: Sonographic Insights into Parenchymal Disease, Stiffness, Attenuation vascularity and CEUS, and Vascularity with live demonstration (40 min) Alina Popescu
09:45 – 10:25	
How to examine the urinary system, aorta and lower extremity veins (40 min) with live demonstration Dieter Nürnberg	<u>Hands-on:</u> Liver Doppler, elastography (40 min)
10:25 – 10:50 Coffee break	
10:50 – 11:50	
4 VIP (very important pathology) interactive cases: liver/ biliary system/ pancreas (60 min) Christian Jenssen , Claudia Lucius	4 VIP (very important pathology) interactive cases: liver parenchyma and liver tumors (60 min) Roxana Sirli , Paul Spieseke
11:50 – 12:30	
<u>Hands-on:</u> Urinary system and aorta (40 min)	How to learn more about focal liver lesions with and without CEUS (40 min) Alina Popescu
12:30 – 13:30: Lunch (45 min) and a short walk in the center of Berlin (15 min) to the Charité and the Federal Armies Hospital	

EFSUMB Student & Resident Summer School

Day 2 ~ Friday 5th September 2025, PM

BASIC COURSE	ADVANCED COURSE
13:30 – 15:00	
Live demonstrations and <u>hands-on</u> in the Ultrasound Department of Federal Armed Forces Hospital Berlin (90 min) Michael Ludwig , Claudia Lucius	Live demonstrations and <u>hands-on</u> in the Interdisciplinary Ultrasound Department of the Charité (90 min) Paul Spieseke , Thomas Fischer
15:00 – 15:40 Afternoon walk back to the hotel and Coffee break	
15:40 – 17:10 Ultrafit for the emergency room	
eFAST – abdomen and thorax with live demonstration (30 min) Caroline Ewertsen	<u>Hands-on:</u> simple US-guided interventions (30 min)
17:10 – 18:10	
Hands-on: eFAST and thorax (60 min)	Intervention with ultrasound – simple procedures and how to simplify the difficult ones with CEUS (30 min) Christian Jenssen
Course feedback questionnaire	Course feedback questionnaire
20:00 – 23:00	
Social Event	
Short summary of evening entertainment etc. See last page for more details.	

EFSUMB Student & Resident Summer School

Day 3 ~ Saturday 6th September 2025

BASIC COURSE	ADVANCED COURSE
09:00 – 09:30 Good morning quiz: What went overboard last night? Let's search with ultrasound! <i>Dieter Nürnberg</i>	
09:35 – 10:20	
How to examine the thorax and thyroid? (45 min) <i>Michael Ludwig</i>	<u>Hands-on</u> : shoulder (45 min)
10:25 – 10:55 Keynote talk: The future of Ultrasound <i>Thomas Fischer</i>	
10:55 – 11:15 Coffee break	
11:15 – 12:10	
<u>Hands-on</u> : freestyle (55 min)	Mastering the art of peer teaching – <u>Hands-on</u> didactics training (55 min) <i>Codruta Constantinescu</i>
12:10 – 13:00: Course feedback from questionnaires – discussion and suggestions <i>Caroline Ewertsen, Students Committee Member</i>	
13:00 – 13:15 Certificates and concluding remarks <i>Christian Jenssen and Alina Popescu</i>	
13:15: Farewell lunch/Sandwich bag	

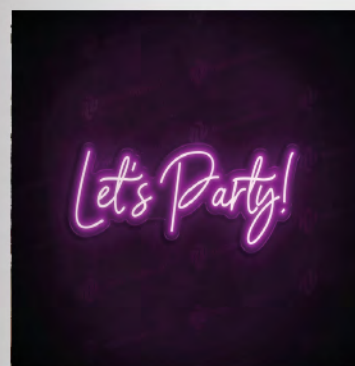
EFSUMB Student & Resident Summer School

Social Programme

An evening with Rudolf Virchow

Thursday 4th September 2025, 18:30 – 20:00

A visit to Rudolf Virchow in the Charité museum on history of medicine (The Virchow Cabinet) and tutor city walk to bars afterwards.



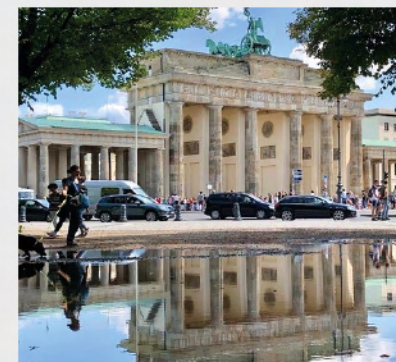
Let's party! Social Event

Friday 5th September 2025, 20:00 – 23:00

Further details will be supplied.

Walks in Berlin City Centre

Friday 5th September 2025, 12:30 – 13:30:
Lunch (45 min) and a short walk in the center of Berlin (15 min) to the Charité and the Federal Armies Hospital.



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 admin@efsumb.org

ONLINE PROGRAMME

