

## Locations

### Thursday, December 2<sup>nd</sup>, 2021

Medical Center -  
University of Freiburg  
Interdisciplinary Tumor Center  
Hugstetter Straße 55  
79106 Freiburg/Germany

During the course,  
you can be contacted:  
Phone: +49 (0) 761 270 2457 0

### Friday, December 3<sup>rd</sup>, 2021

IRCAD  
1, place de l'Hôpital  
Hôpitaux Universitaires  
67091 Strasbourg/France

During the course,  
you can be contacted:  
Phone: +33 (0) 3 88 11 90 00

## Fees and registration

### Course Fee: 795.– EUR/per person

This fee includes live operations, practical exercises in the wet-lab, lectures, certificate, catering during the course (including round table discussion with dinner) and all transfers.

Attendance is limited. Applicants are accepted on a **first-come, first-serve basis**.

Please register online under  
[www.uniklinik-freiburg.de/expertmeeting.html](http://www.uniklinik-freiburg.de/expertmeeting.html)

#### General Terms and Conditions:

Applicants are accepted in the order their online registrations are received. Please note, that your attendance to the course can only be reserved after the complete receipt of the **payment**. Cancellations are possible up to 6 weeks prior to the start of the course but a handling fee of 100 Euros will be charged. Subsequently, the course fee is not refundable.

## Accommodation

We recommend the following hotel of which we reserved a contingent for the course (December 1<sup>st</sup> to 3<sup>rd</sup>, two nights):

#### Hotel Stadt Freiburg

Breisacher Str. 84 b • 79110 Freiburg  
92,00 € (incl. breakfast) per night; not included in course fee  
Tel. +49 761 89680 • [info@hotel-stadt-freiburg.de](mailto:info@hotel-stadt-freiburg.de)  
reservation code "LASERKURS"

## Organization

#### Elke Bühner

Medical Center - University of Freiburg  
Unternehmenskommunikation  
Breisacher Str. 153 • 79110 Freiburg i. Br.  
Telefon: +49 761 270-19210  
Telefax: +49 761 270-9619030  
[elke.angela.buehrer@uniklinik-freiburg.de](mailto:elke.angela.buehrer@uniklinik-freiburg.de)  
[www.uniklinik-freiburg.de/expertmeeting.html](http://www.uniklinik-freiburg.de/expertmeeting.html)

## Direction



### Parking, how to find us by car

#### Coming from the A5 freeway:

Take the Freiburg-Mitte exit | Head toward Freiburg and follow the signposts for Universitätskliniken | Drive across Friedrich-Ebert-Platz and into Hugstetter Strasse | Continue to the Interdisciplinary Tumor Center (ITZ) on the right hand side.

#### Coming from the B3 or B31 highways:

Head toward downtown Freiburg and follow the signposts for Universitätskliniken | Drive across Friedrich-Ebert-Platz and into Hugstetter Strasse | Continue to the Interdisciplinary Tumor Center (ITZ) on the right hand side.

### How to find us using public transportation

#### Streetcar:

Route 5: Disembark at stop Robert-Koch-Strasse or Friedrich-Ebert-Platz

#### Bus:

VAG Route 10, SBG Routes 7200, 7206, 7212: Disembark at stop Robert-Koch-Strasse

#### Breisgau urban railway (S-Bahn):

Disembark at stop Klinikum

## Sponsors

We thank our sponsor for the financial support (10.000 Euro):

Gebrüder Martin GmbH & Co. KG

A company of the KLS Martin Group

**KLS martin**  
GROUP

In combination with a "Laser in Medicine" basic course (Sachkundekurs), this course is recognized as a specialized training course (Fachkundekurs) in accordance with the certification guidelines of the German Society of Laser Medicine.



**UNIVERSITÄTS  
KLINIKUM FREIBURG**



Certified by the German Society of Thoracic Surgery



**14<sup>th</sup> Annual**

**Expert Meeting on  
Laser Application in  
Thoracic Surgery –  
open Approach and VATS**

**Advanced Training Course  
December 2<sup>nd</sup> - 3<sup>rd</sup>, 2021**

**CME Credits  
have been applied**

**DKG**  
KREBSGESELLSCHAFT  
Zertifiziertes  
Lungenkrebs  
Zentrum



**DEUTSCHE GESELLSCHAFT  
FÜR LASERMEDIZIN e.V.**

Department of Thoracic Surgery  
Medical Center - University of Freiburg

## Invitation

Dear colleagues:

After thirteen successful Expert Meetings on Laser Application in Thoracic Surgery, we cordially invite you to our 14<sup>th</sup> meeting in December 2021.

Optimal treatment of our patients deserves optimal technical equipment. This is especially true in patients with lung metastases. In more or less every one of these patients we encounter a different situation. This ranges from simple wedge resections to complex resections in cases of multiple metastases or metastases which are in the vicinity of the central vascular and bronchial structures of the lung. With the introduction of a new generation of surgical laser systems with a wavelength of 1,320 nm we now have an optimal instrument which allows dissecting the lung parenchyma in a superior fashion.

Furthermore, this laser is also applicable for endotracheal and endobronchial problems. Therefore, it is an interesting tool which is useful in different clinical situations and applications.

The aim of our workshop is to demonstrate the usefulness of the laser technology for pulmonary diseases. On the first day we will have an introduction into laser technology and the theoretical aspects of pulmonary metastasectomy. Additionally, there will be live demonstrations on laser lung surgery as well as on endotracheal applications. On the second day all participants have the opportunity to work in the wet-lab with the laser equipment.

We wish all participants an interesting and fruitful insight into the state of the art technique of the resection of pulmonary metastases and shall provide ample opportunity for discussions with colleagues from different countries.

Bernward Passlick, M. D.  
Scientific Director

Severin Schmid, M. D.  
Organization

## Program

### Thursday, December 2<sup>nd</sup>, 2021

- 8:45 a.m.** Registration at  
University Freiburg, Robert-Koch-Klinik  
Department of Thoracic Surgery
- 9:00 a.m.** Word of welcome/introduction  
**Prof. Dr. med. B. Passlick**
- 9:05 a.m.** Technical basics of medical laser systems,  
optical fibers and applicators  
**Prof. Dr. R. Sroka**
- 9:35 a.m.** Safety rules and practical advice for using  
the laser in the OR  
**Prof. Dr. R. Sroka**
- 10:35 a.m.** **Coffee break, snack**
- 10:50 a.m.** Technological innovations improving pulmonary  
laser resections  
**PD Dr. med. S. Schmid**
- 11:10 a.m.** Pulmonary laser resections: technical aspects in  
open surgery and VATS  
**Prof. Dr. med. B. Passlick**
- 11:40 a.m.** Indications and results of pulmonary  
metastasectomy for different primary tumors  
**Prof. Dr. med. B. Passlick**
- 12:10 p.m.** Evaluation of the resection area after laser use  
and local recurrence development  
**PD Dr. med. S. Welter**
- 12:40 p.m.** **Lunch**
- 1:40 p.m.** Case example of a laser-assisted surgery  
Auditorium at Universitätsklinikum Freiburg and OR  
Interactive, live video transmission from the OR
- 3:00 p.m.** Endotracheal and endobronchial  
laser application  
**Dr. med. M. Elze**
- 3:15 p.m.** Endobronchial laser application:  
practical exercises on simulation devices
- 5:00 p.m.** End of training
- 6:00 p.m.** Round table discussion with dinner

## Program

### Friday, December 3<sup>rd</sup>, 2021

- 7:30 a.m.** Bus transfer from Robert-Koch-Klinik  
to IRCAD, Strasbourg, France
- 9:15 a.m.** Demonstration of laser system,  
resection of lung metastases in the wet-lab
- 11:30 a.m.** Round-table discussion and hand-over of  
certificates
- 12:00 noon** **Lunch**
- 1:00 p.m.** Bus transfer to Freiburg

## Lecturers

- Dr. med. M. Elze** Universitätsklinikum Freiburg  
Department of Thoracic Surgery
- Prof. Dr. med. B. Passlick** Universitätsklinikum Freiburg  
Department of Thoracic Surgery
- PD Dr. med. S. Schmid** Universitätsklinikum Freiburg  
Department of Thoracic Surgery
- Prof. Dr. R. Sroka** Klinikum der Universität München  
Laser Research Laboratory
- PD Dr. med. S. Welter** Lungenklinik Hemer  
Department of Thoracic Surgery

## Scientific Director

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