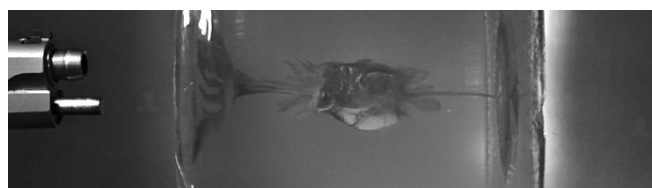
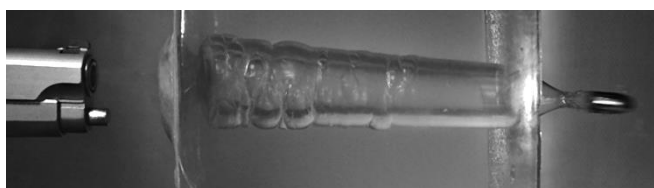
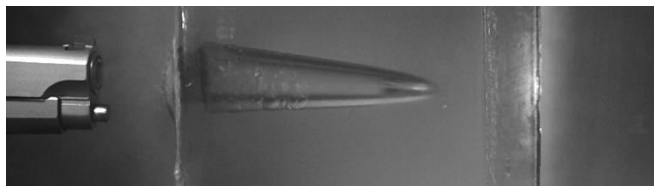
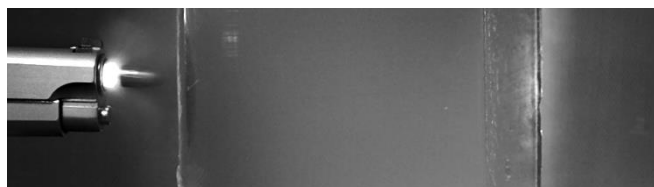


# *7<sup>TH</sup> SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP*

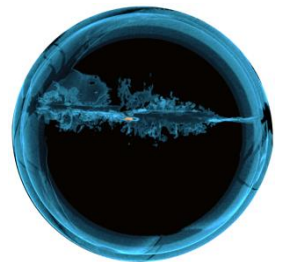
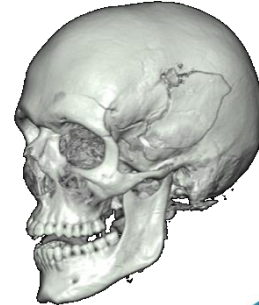
*10<sup>TH</sup> – 12<sup>TH</sup> OCTOBER 2018*



## BACKGROUND INFORMATION

This two day Workshop discusses the **theoretical** and **practical** aspects of **wound ballistics**; the discussions are led by various experts. There are also live demonstrations, under laboratory conditions, of a variety of projectiles being shot into internationally accepted tissue simulants (no animals are used). The Workshop is designed to give an essential understanding of the subject, mainly to the following professions:

- **Health professionals**, especially trauma surgeons;
- **Forensic pathologists**;
- **Forensic specialists**;
- **Law enforcement shooting instructors**;
- **Lawyers** specialising in international humanitarian law and human rights law.



## SCIENTIFIC ORGANIZATION

University of Bern  
Institute of Legal Medicine  
Forensic Physics / Ballistics  
[www.irm.unibe.ch](http://www.irm.unibe.ch)



## CONGRESS ORGANIZATION

IPH Hitzkirch  
Interkantonale Polizeischule  
Congress Center Hitzkirch  
[www.seminarhitzkirch.ch](http://www.seminarhitzkirch.ch)



## LECTURERS

Dr. sc. forens. Beat P. Kneubuehl  
MD h. c., bpk consultancy gmbh, Thun

Lucien C. Haag  
Forensic Science Services, Inc., Carefree (AZ)

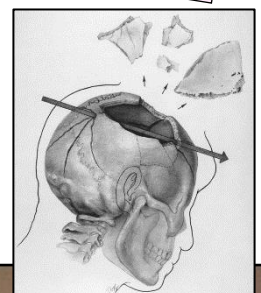
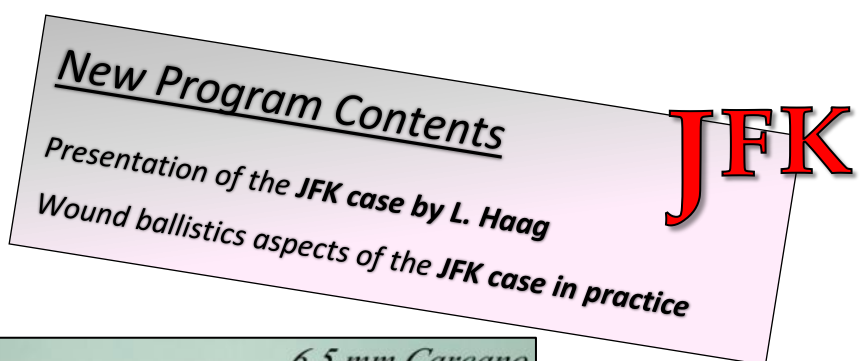
Prof. Dr. med. Markus A. Rothschild  
Institute of Legal Medicine, Cologne

Dr. med. Thorsten Hauer  
Army Hospital, Berlin

PD Dr. med. Christian Schyma  
Institute of Legal Medicine, Bern

Dr. sc. forens. Fabiano Riva  
Institute of Legal Medicine, Bern

Matthieu Glardon  
Institute of Legal Medicine, Bern



# PROGRAM OVERVIEW AND CONTENT

The main language of the Workshop is English  
Under request PowerPoint slides can also be provided in French, German or Italian

## In General

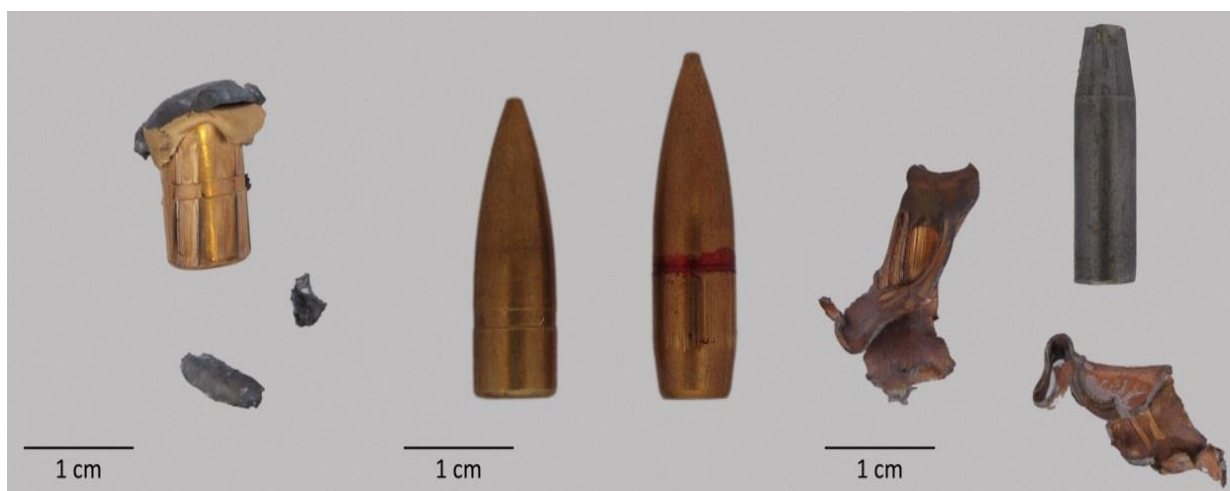
- 3-days' Workshop with 2 nights included
- Alternating Theoretical and Practical sessions
- Social events promoting discussion + experience exchange

## Scientific session

- Weapons and ammunition
- Ballistics (Interior-, Exterior-, Terminal-)
- Wound ballistics – Basics and legal medicine
- Exterior and Wound ballistics aspects of the assassination of JFK
- Wound ballistics, surgery and war surgery
- Wound ballistics and international law
- Wound ballistics – Forensic imaging and forensic applications

## Practical session in the shooting range

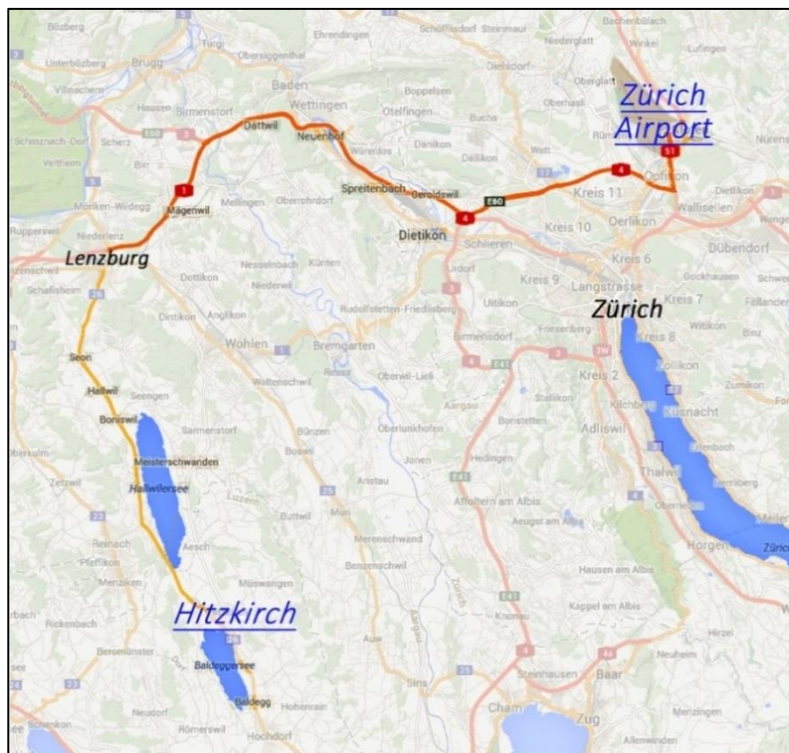
- Shooting in ballistic soap – Military vs. hunting bullets (handguns and rifles)
- Shooting through polyurethane bones casted into ballistic gelatine
- Wound channel of ricocheted bullets (handguns and rifles)
- Wound ballistics reconstruction of the assassination of JFK
- Influence of the twist rate on the wound channel
- Simulation of wounds caused by shooting at long distance
- Velocity vs penetration in gelatine
- Simulation of injuries caused by fragments
- Simulation of injuries caused by alarm pistols
- Contact vs distance shot in skull model
- Forensic applications and more...





## PLACE, ACCOMMODATION AND REGISTRATION

**Place and Transportation:** Hitzkirch is located about 60 km from Zurich airport and 40 km from the center of Zurich. It is possible to reach Hitzkirch by car or by train directly from Zurich airport. More information about the railway can be found on [www.sbb.ch/en/](http://www.sbb.ch/en/)



**Accommodation:** The Workshop will take place at the Congress Center Hitzkirch (part of the Hitzkirch College for Police Officers), Switzerland. The center has its own ★★★ hotel and restaurant: [www.seminarhitzkirch.ch/](http://www.seminarhitzkirch.ch/)



Seminarzentrum Hitzkirch  
Seminarstrasse 10  
CH-6285 Hitzkirch

**Workshop fee:** The fee is CHF 1600 (approx. EUR 1350, US\$ 1700 depending on the exchange rate). This includes **board**, lodging for **2 nights** and **all laboratory demonstrations**.

**Registration:** The Workshop will take place between the 10<sup>th</sup> and the 12<sup>th</sup> of October 2018. To participate, please send the fulfilled and signed registration form (by email) to Mr. F. Riva ([fabiano.riva@irm.unibe.ch](mailto:fabiano.riva@irm.unibe.ch)) before the 14<sup>th</sup> of September 2018.

For questions or additional information, please contact Mr. Fabiano Riva ([fabiano.riva@irm.unibe.ch](mailto:fabiano.riva@irm.unibe.ch) / +41 31 631 84 11).

## 7<sup>TH</sup> SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP

*University of Bern, Institute of Legal Medicine  
Center of Forensic Physics and Ballistics*

10<sup>th</sup> – 12<sup>th</sup> October 2018, Hitzkirch, Switzerland

### Registration Form

#### **Contact Data**

Title	
First name	
Surname	
Field of work	<input type="checkbox"/> Forensic <input type="checkbox"/> Legal Medicine <input type="checkbox"/> Law <input type="checkbox"/> Surgery <input type="checkbox"/> Police <input type="checkbox"/> Other.....
Laboratory / Institute	
Address	
Country	
E-mail	
Phone	

#### **Hotel Reservation and special requests**

Arrival	Date: ____ / ____ / ____      Time*: ____ : ____
Departure	Date: ____ / ____ / ____      Time*: ____ : ____
Special diet	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Gluten free <input type="checkbox"/> No Pork <input type="checkbox"/> Other.....
PowerPoint language**	<input type="checkbox"/> English <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Italian

\* If already known. The Workshop will start on Wednesday 10<sup>th</sup> of October in the early afternoon and will finish approximately between 4 and 5 p.m. on Friday 12<sup>th</sup> of October.

\*\* A printed English version of the PowerPoint slides will be available during the theoretical part anyway. By checking one of those boxes, you can request a French, German or Italian printed version.

#### **Conference Fee**

The conference fee is **CHF 1'600.- per person**. This includes **lodging** (3 days and 2 nights), **full board** and the **workshop fee** (full **theoretical part** + **practical demonstration** in shooting range). The fee **must be paid in advance** via bank transfer in order to complete the registration. We will provide you with the bank details as soon we receive this fulfilled registration form.

Please send this form signed **before the 31<sup>th</sup> of August 2018** (deadline for room reservations) with the subject "**7<sup>th</sup> SIWBW**" to: [fabiano.riva@irm.unibe.ch](mailto:fabiano.riva@irm.unibe.ch).

Each participant has to provide us with a **single fulfilled registration form**. For escorts who do not participate in the workshop, please feel free to contact us by e-mail or phone +41 31 631 34 13.

## ***General Terms and Conditions***

The following terms and conditions (GTC) are applied to **all participants** of the 7<sup>th</sup> Swiss International Wound Ballistics Workshop which takes place in Hitzkirch (Switzerland) between the 10<sup>th</sup> and the 12<sup>th</sup> of October 2018. The registration form for the 7<sup>th</sup> Swiss International Wound Ballistics Workshop must be **signed and sent by e-mail** to the organizer before the 31<sup>th</sup> of August 2018. The reception of the signed document is **binding** and will be confirmed by the organizer via e-mail. The workshop fee listed on the registration form is per person. The fee must be fully paid **30 days** before the workshop starts. The organizer reserves the right to refuse entry to the workshop in case of non-payment. Any cancellation until **2 weeks before the start** of the workshop is free of charge. After that a fee of **CHF 850.-** is charged to the participant. In case of cancellation less than **one week before the start** of the workshop or in case of absence without previous cancellation the **total workshop fees** are due.

By signing this document, the undersigned confirms having read and understood the above GTC.

Place and date: .....

Participant's signature: .....