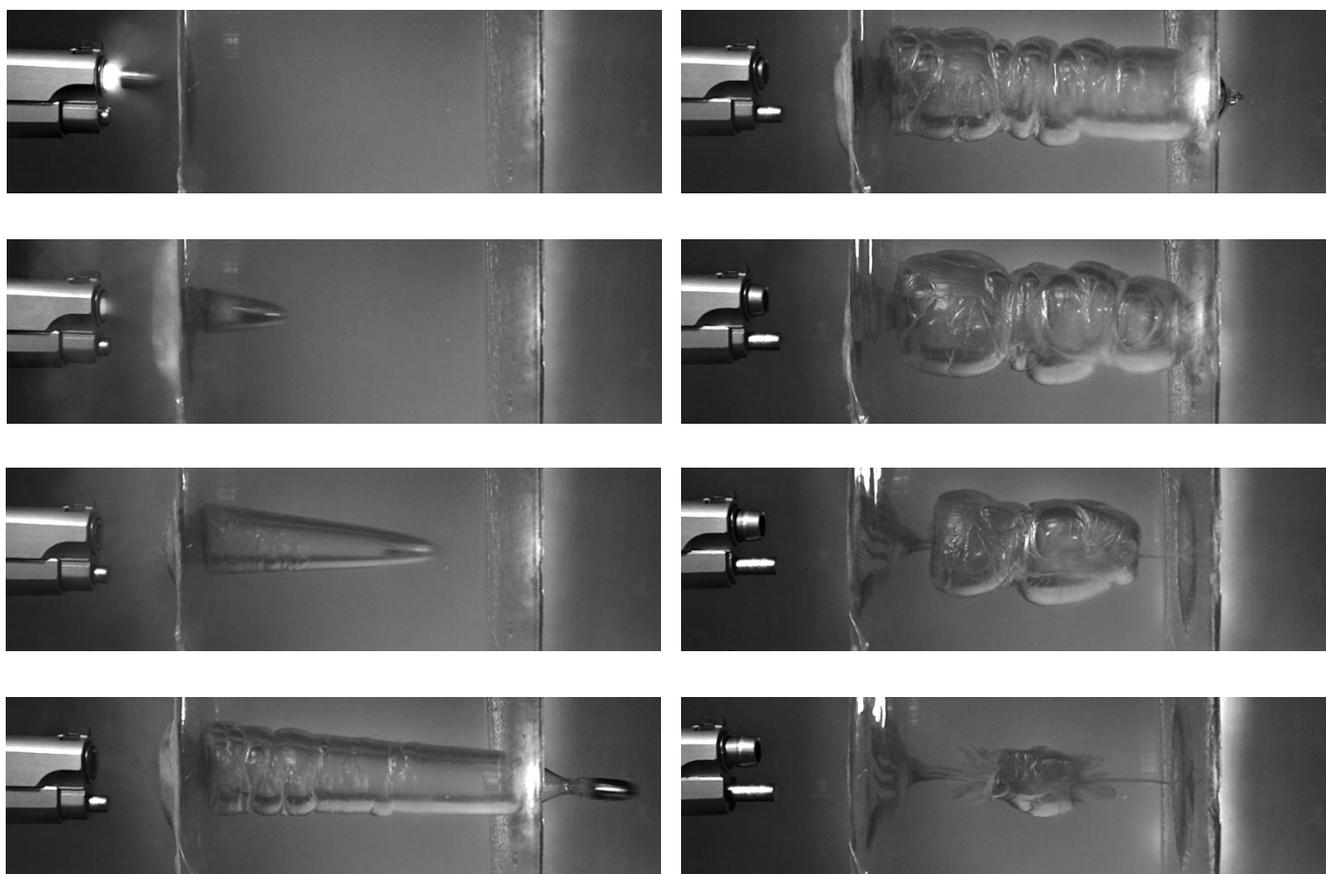


# 7<sup>TH</sup> SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP

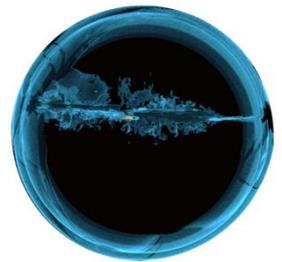
10<sup>TH</sup> – 12<sup>TH</sup> OCTOBER 2018



## 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)*

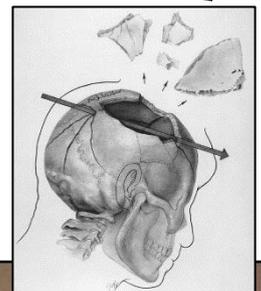
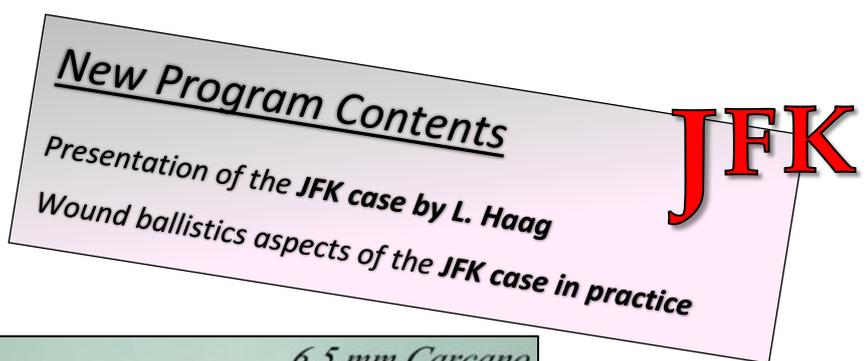
Prof. Dr. med. Markus A. Rothschild  
*Institute of Legal Medicine, Cologne*

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

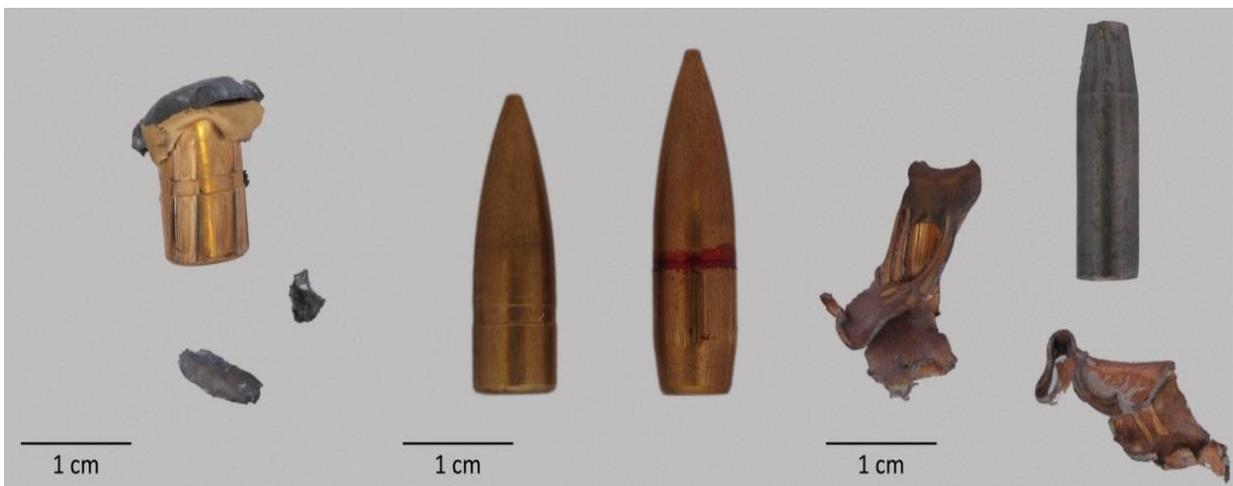
- 3-days' Workshop with 2 nights included
- Alternating Theoretical and Practical sessions
- Social events promoting discussion + experience exchange

## 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

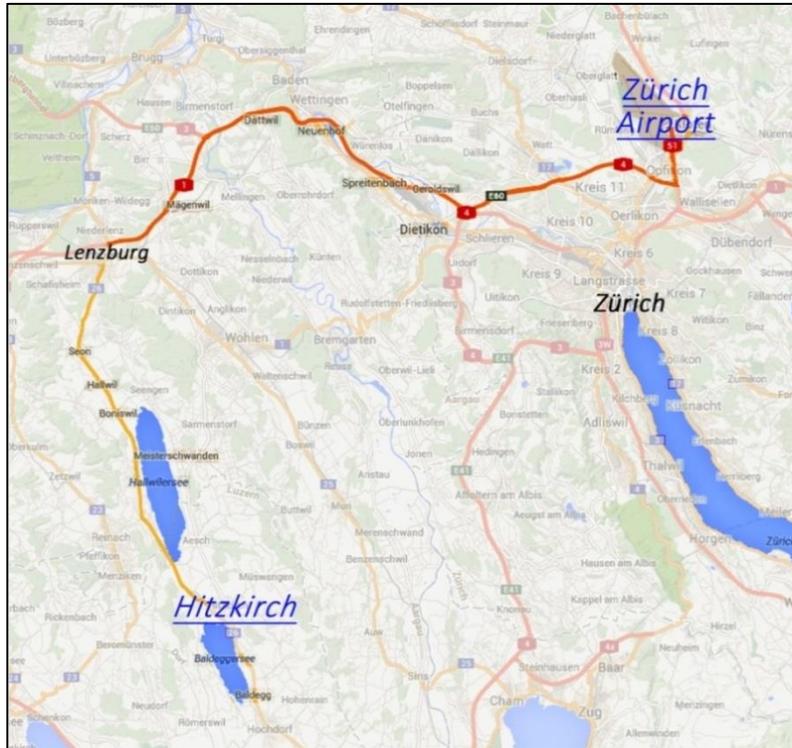
## Practical session in the shooting range

- 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/)



**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).