University of Bern
Institute of Legal Medicine
Centre for Forensic Physics and Ballistics
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, coroners, medical examiners**;
- **Forensic specialists**;
- **Law enforcement shooting instructors**;
- **Lawyers** specialising in international humanitarian law and human rights law.
- **Law enforcement shooting instructors**.

SCIENTIFIC ORGANIZATION

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

LECTURERS

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

Dr. phil. T. Liebscher and B. Salziger  
*Bundeskriminalamt, Wiesbaden*

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

Prof. Dr. med. Christian Jackowski  
*Institute of Legal Medicine, Bern*

Dr. med. Thorsten Hauer  
*Army Hospital, Berlin*

Prof. 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*

CONGRESS ORGANIZATION

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

In General

- Start on Wednesday 25th of September at ~2 pm
- End on Friday 27th of September 2019 at ~5 pm
- 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
- 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)
- 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/

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/

Workshop fee: The fee is CHF 1550 (approx. EUR 1375, US$ 1575 depending on the exchange rate). This includes board, lodging for 2 nights and all laboratory demonstrations.

Registration: The workshop will take place between the 25th and the 27th of September 2019. To participate, please send the fulfilled and signed registration form (by email) to contact@irm.unibe.ch mentioning 8th SIWBW 2019 in the subject (mandatory). You can find the registration form on www.irm.unibe.ch or request it by email.