

XII^o SIWBW

SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP

17TH – 19TH DECEMBER 2024

University of Bern

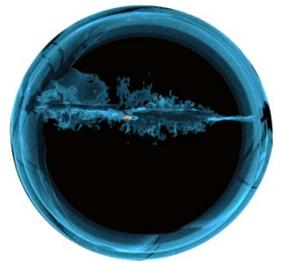
Institute of Forensic Medicine



BACKGROUND INFORMATION

This three 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 Forensic Medicine
Forensic Medicine & Imaging
www.irm.unibe.ch



CONGRESS ORGANIZATION

IPH Hitzkirch
Interkantonale Polizeischule
Congress Center Hitzkirch
www.seminarhitzkirch.ch



LECTURERS

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

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

Ing. (EUR ING) Axel Mantei
Forensic Firearms Expert Service

Dr. med. Thorsten Hauer
Army Hospital, Berlin

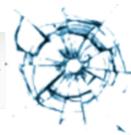
Dr. sc. forens. Fabiano Riva
Institute of Legal Medicine, Lausanne

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

Radiologist, tbd
Institute of Legal Medicine, Bern

Matthieu Glardon
Institute of Legal Medicine, Bern

bpk consultancy gmbh
Ballistik Physik Kriminalistik



Unil

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PROGRAM OVERVIEW AND CONTENT

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

In General

- Start on Tuesday 17th of December 2024 at 2 pm
- End on Thursday 19th of December 2024 at ~5 pm
- 3-days Workshop with 2 nights and meals 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
- Guest speaker from the ballistic unit of a European forensic laboratory

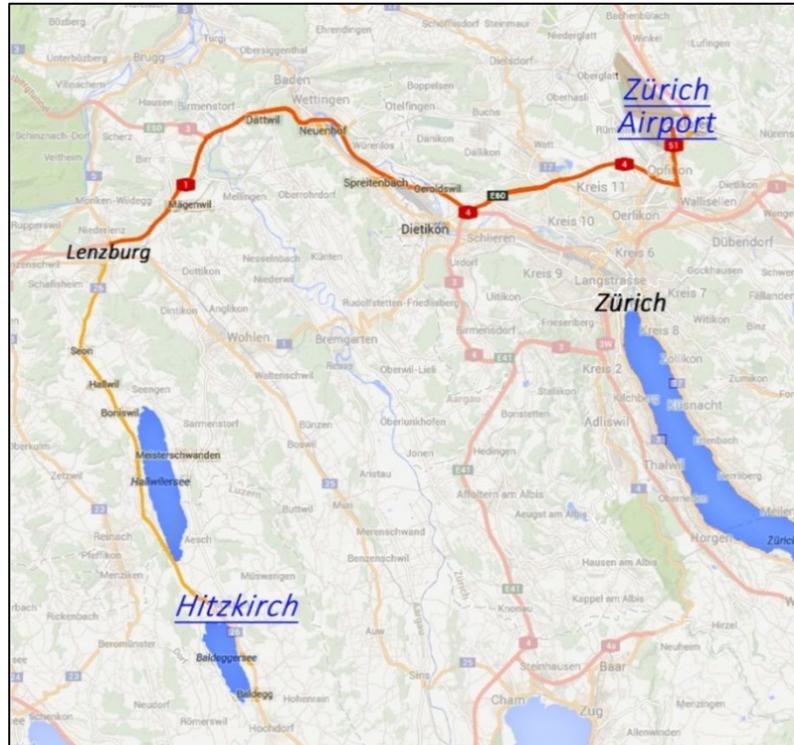
Practical session in the shooting range

- Shooting in ballistic soap – Military vs. hunting bullets (handguns and rifles)
- Shooting through polyurethane bones cast 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 (recommended) 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 Centre Hitzkirch (part of the Hitzkirch College for Police Officers), Switzerland. The centre has its own ★★★ hotel and restaurant: www.seminarhitzkirch.ch/



Workshop fee: The fee is CHF 1600 (approx. EUR 1650 or US\$ 1795, depending on the exchange rate). This includes **board**, lodging for **2 nights** and **all laboratory demonstrations**.

Registration: The Workshop will take place between the 17th and the 19th of December 2024. To attend, please send the completed and signed registration form (by email) to contact@irm.unibe.ch mentioning **12th SIWBW 2024** in the subject (mandatory). You can find the registration form on www.irm.unibe.ch or request it by email.