

# *XI<sup>o</sup> SIWBW*

SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP

***26<sup>TH</sup> – 28<sup>TH</sup> SEPTEMBER 2023***

University of Bern

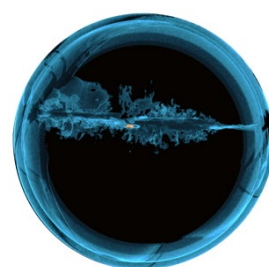
Institute of Forensic Medicine



## 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](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

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

Dr. sc. biomec. Mikael Petit  
Criminal Research Institute of the Gendarmerie Nationale, Pontoise

Dr. med. Thorsten Hauer  
Army Hospital, Berlin

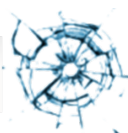
Dr. sc. forens. Fabiano Riva  
Institute of Legal Medicine, Lausanne

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

Dr. med. Jeremias Klaus  
Institute of Legal Medicine, Bern

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Institute of Legal Medicine, Bern

bpk consultancy gmbh  
Ballistik Physik Kriminalistik



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# PROGRAM OVERVIEW AND CONTENT

## In General

- Start on Tuesday 26<sup>th</sup> of September 2023 at ~2 pm
- End on Thursday 28<sup>th</sup> of September 2023 at ~5 pm
- 3-days Workshop with 2 nights and meals included
- Alternating theoretical and practical sessions
- Social events promoting discussion + experience exchange

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

## 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

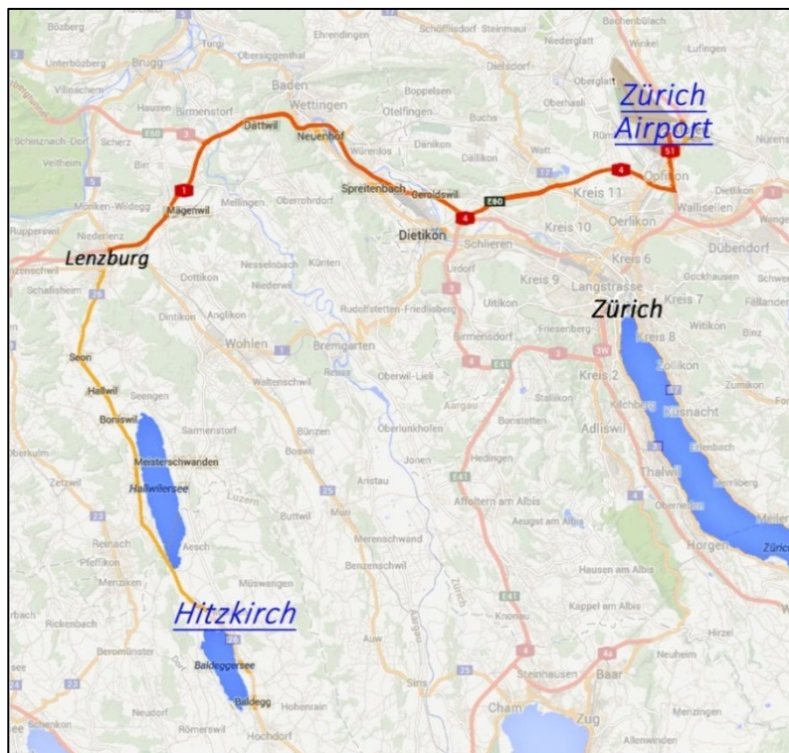
## Practical session in the shooting range

- 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/](http://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/](http://www.seminarhitzkirch.ch/)



**Workshop fee:** The fee is CHF 1550 (approx. EUR 1595 or US\$ 1735, depending on the exchange rate). This includes **board**, lodging for **2 nights** and **all laboratory demonstrations**.

**Registration:** The Workshop will take place between the 26<sup>th</sup> and the 28<sup>th</sup> of September 2023. To attend, please send the completed and signed registration form (by email) to [contact@irm.unibe.ch](mailto:contact@irm.unibe.ch) mentioning **11th SIWBW 2023** in the subject (mandatory). You can find the registration form on [www.irm.unibe.ch](http://www.irm.unibe.ch) or request it by email.