

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

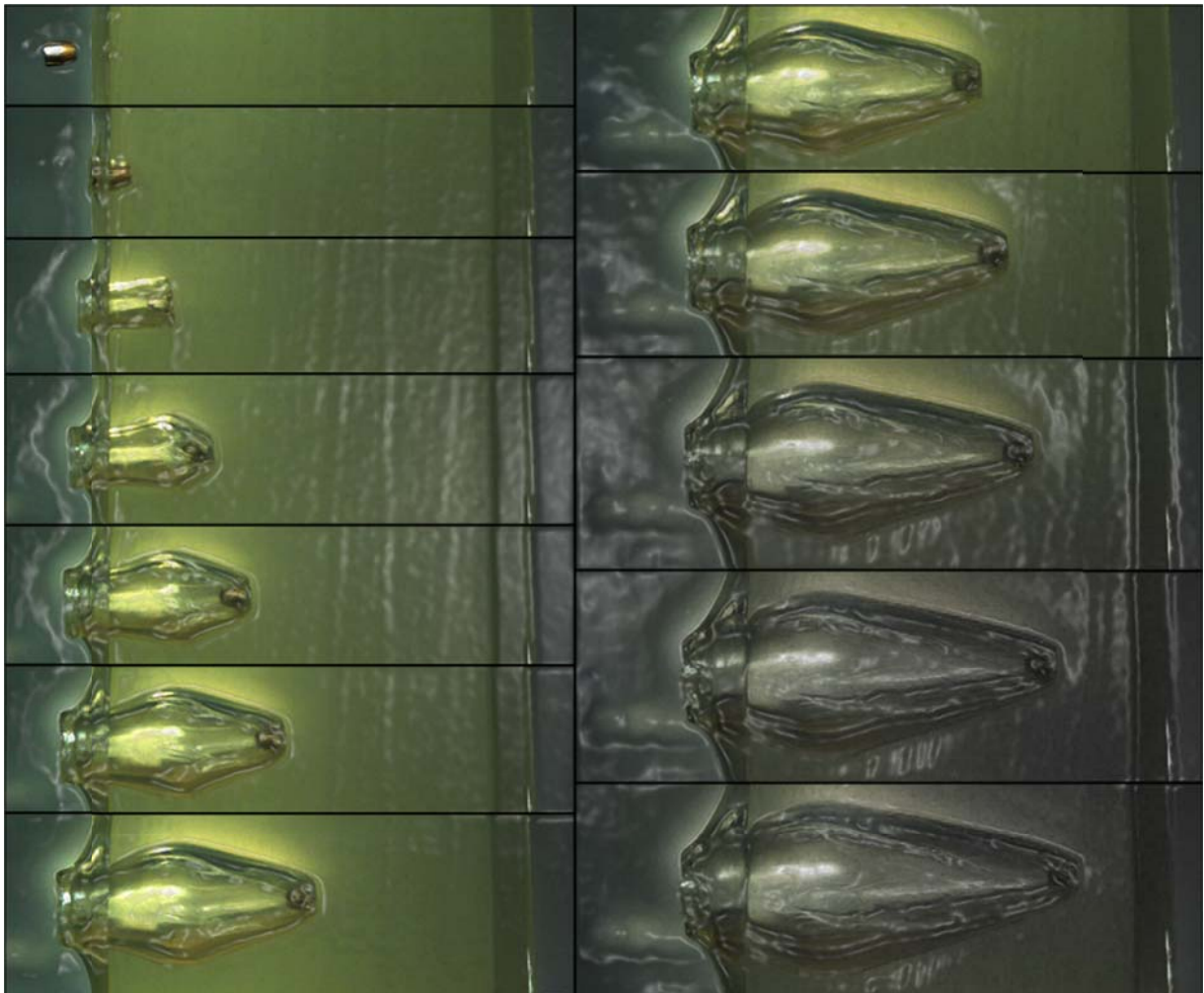
## *SWISS INTERNATIONAL WOUND BALLISTICS WORKSHOP*

### *25<sup>TH</sup> – 27<sup>TH</sup> SEPTEMBER 2019*

University of Bern

Institute of Legal Medicine

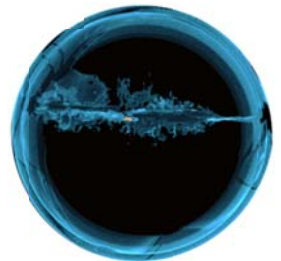
Center of Forensic Physics and Ballistics



## 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 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*

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*

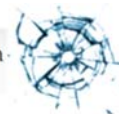
Dr. med. Thorsten Hauer  
*Army Hospital, Berlin*

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

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

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*Institute of Legal Medicine, Bern*

bpk consultancy gmbh  
Ballistik Physik Kriminalistik



Bundeskriminalamt



UNIVERSITÄT  
BERN

# PROGRAM OVERVIEW AND CONTENT

## In General

- Start on Wednesday 25<sup>th</sup> of September at ~2 pm
- End on Friday 27<sup>th</sup> of September 2019 at ~5 pm
- 3-days' Workshop with 2 nights included
- Alternating Theoretical and Practical sessions
- Social events promoting Discussion + Experience Exchange

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

## 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

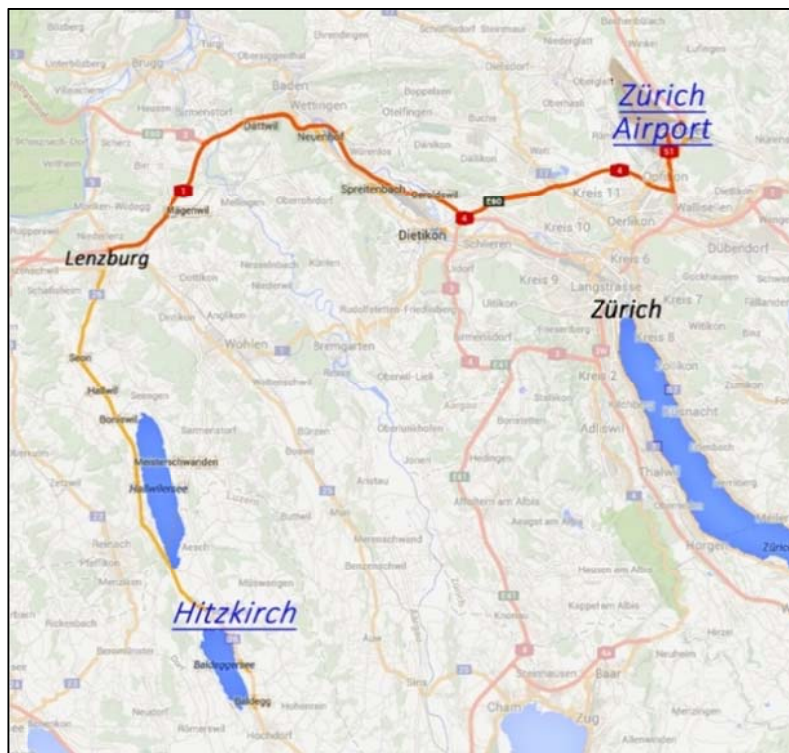
- Shooting in ballistic soap – Military vs. hunting bullets (handguns and rifles)
- Shooting through polyurethane bones casted into ballistic gelatine
- Wound channel of ricocheted bullets (handguns and rifles)
- Influence of the twist rate on the wound channel
- Simulation of wounds caused by shooting 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/](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 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 25<sup>th</sup> and the 27<sup>th</sup> of September 2019. To participate, please send the fulfilled and signed registration form (by email) to [contact@irm.unibe.ch](mailto:contact@irm.unibe.ch) mentioning **8<sup>th</sup> SIWBW 2019** 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.