

## Agenda

### Day 1

9:00	Registration & coffee
10:00	Welcome & goals of the Workshop
10:20	Osteomyelitis and fracture-related infections
10:50	Understanding fracture-related infections: Definitions, diagnostic workup and sampling
11:10	Discussion
11:40	Coffee break
12:10	Antimicrobial treatment (type, duration, choice)
12:30	Management of bone defects (Masquelet technique)
12:50	Discussion
13:30	Lunch buffet
14:15	TBA
14:35	Practical workshop (2 groups in parallel): <ul style="list-style-type: none"><li>• TBA</li><li>• TBA</li></ul>
15:05	Discussion
15:35	Coffee break
16:05	S53P4 bioactive glass in the treatment of FRI: experiences from the univ. hospital in Helsinki.
16:25	Practical workshop (2 groups in parallel): <ul style="list-style-type: none"><li>• Hands-on with bioactive glass</li><li>• Product features, application, antibiotic loading and application of PerOssal</li></ul>
17:05	Discussion
18:30	Dinner (not included in the registration fee)

### Day 2

8:30	Coffee (meet the experts informally)
9:00	Prevention of infection
9:20	Management of complex cases
9:40	Experience with war injuries from Ukraine
10:00	Discussion
10:30	Coffee break
11:00	TBD
11:20	Clinical case presentation
11:40	Most common errors
12:00	Discussion
12:40	Lunch buffet
13:25	Surgical treatment of acute fracture-related infection
13:45	Experience with growing intramedullary nail
14:00	Participants' case presentations & discussion
14:45	Wrap-up & conclusions

## Organizational details

**Workshop language:** English

**Course fee:** 480.00 € (early bird rate until 30 days prior to the workshop) / 520.00 € (regular registration)

**CME credits:** Course in February 2024: Accredited with **12 CME credits** by the Medical Chamber Berlin and applied for approval by Ethical MedTech. Workshop in November 2024: Applied for approval by the Medical Chamber Berlin and Ethical MedTech.

**Certificate:** Participants will receive a certificate of participation.

**Educational material:** All participants will receive all presentations of the speakers of the workshop, the latest version of the *Pocket Guide to Diagnosis and Treatment of implant-associated infections after fracture fixation* as well as a selection of relevant publications related to FRI.

**Group size:** 40-50 participants.

Participants are encouraged to actively participate in case discussions by presenting own cases (approx. 5 slides).

**Registration:** <https://pro-implant.org/education/workshops>

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**Target audience:**

Clinicians and life-science researchers with advanced knowledge and interest in fracture-related infections of the following specialties (or enrolled in an educational program):

- Traumatology, orthopaedic or related surgeons dealing with bone and implant-associated infections after fracture
- Internal medicine, (micro)biology, infectious diseases or related fields dealing with biofilms and antibiotics
- Pharmacy, pharmacology or related fields dealing with pharmacokinetics/pharmacodynamics

Ideally, a complementary team from individual institutions should attend the same workshop, i.e. orthopaedic/trauma surgeon and microbiologist/infectious diseases specialist.



## Workshop on Management of Fracture-Related Infections (FRI)

Berlin, Germany

February 15 – 16, 2024  
November 18 – 19, 2024

**Faculty:**

**Prof. Dr. Andrej Trampuz**  
Charité – University Medicine Berlin, Germany

**Dr. Cristina Ojeda-Thies**  
Hospital Universitario 12 de Octubre, Madrid, Spain



## Welcome

**Dear colleagues, dear friends,**

It is our great pleasure to invite you to our Workshops on Management of Fracture-Related Infections (FRI) in Berlin.

Our goal is to provide you the most up-to-date and best evidence-based knowledge in pathogenesis, diagnosis, treatment and prevention of fracture-related infections. We put a special emphasis on the interdisciplinary teamwork, open discussions and practical advice for the routine clinical work.

Since the establishment of the PRO-IMPLANT Foundation in 2013, we have constantly improved the quality of lectures, broadened the content and strived to acquire the best international experts in the field. Practical hands-on sessions, case discussions and interactive lectures are specially designed to share experience and interact with other participants. The interest in our workshops is steadily increasing in countries all over the world, demonstrating the interest and need for such an educational format.

The number of workshop participants from all over the world is steadily growing, demonstrating the interest and need for such an educational event.

This is why the PRO-IMPLANT Foundation is tremendously honored to continue fulfilling its mission and commitment to support international research, medical education, global networking and patient care.

We are very pleased to welcome you to one of our next workshops on fracture-related infections to fulfill this aim together.

Yours sincerely,



**Asst. Prof. Dr. med. Andrej Trampuz**  
Chair, Executive Board



## The goal: Advancing knowledge

To review, update and advance the theoretical and practical knowledge in diagnosis, treatment and prevention of bone and implant-associated infections. At the end of the workshop, participants should be able to generate a rational and efficient management plan based on modern principles.

## The challenge: Biofilms and implants

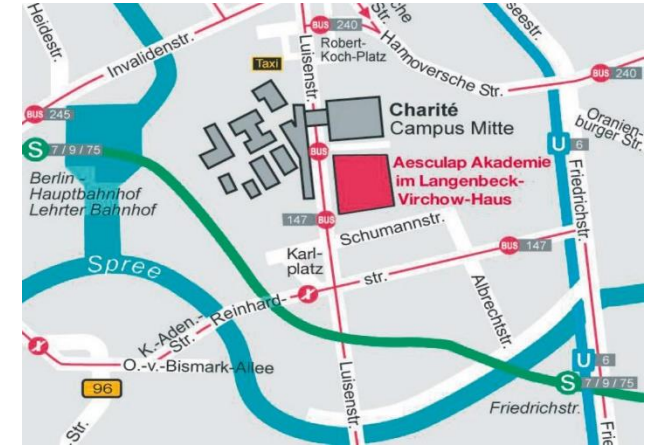
Implant-associated infections occur in up to 10% after fracture fixation. Bacteria grow on medical devices as biofilm, making them difficult to detect and hard to eradicate. Infections after fracture fixation cause considerable morbidity and healthcare costs. An efficient management concept can significantly improve the outcome and life quality of patients.

## The solution: Teamwork of experts

The key to success is an interdisciplinary approach of various medical specialties integrating the latest evidence, clinical experience and innovation in the diagnosis, surgical techniques, antibiotic therapy and local bone and soft tissue management.

## Topics of discussion

- Epidemiology, definition and pathogenesis of bone and implant-associated infections after trauma
- Diagnosis: microbiology, histology, imaging
- Surgical and antimicrobial therapy
- Local antimicrobial therapy, drug delivery systems, bone cement, bone substitutes and bone grafts
- Early postoperative infections: When to revise? What to revise?
- Delayed postoperative infection: concept of septic delayed and non-union
- Culture-negative infections: How to treat?
- Efficient and cost-effective prevention of infection
- Difficult surgical cases: multiple revisions, compromised soft tissues, insufficient bone stock, persistent infection
- Therapeutic options for difficult-to-treat and multi-drug resistant microorganisms
- Typical errors leading to treatment failure
- The importance of animal models to bridge the gap from in vitro to clinical studies
- Potential future solutions: implant coating, bone regeneration, bacteriophage therapy, hydrogels



## Venue

Langenbeck-Virchow-Haus (Aesculap Akademie, 5<sup>th</sup> floor)  
Luisenstraße 58/59  
10117 Berlin, Germany

## Local Public Transport

Subway: U6 – “Oranienburger Tor”  
U55 – “Hauptbahnhof”  
Train: S1, S2, S25, S5, S7, S75 – “Friedrichstraße”  
S5, S7, S75 – “Hauptbahnhof”  
Tram: 12, M1, M5 – “Oranienburger Tor”  
M5, M8, M10 – “Hauptbahnhof”  
Bus: 147, TXL – “Charité – Campus Mitte”

## Parking

APCOA Underground Car Park  
Luisenstraße 47-52  
10117 Berlin, Germany

## Accommodation

All hotel bookings must be arranged by participants themselves. Participants can book rooms to a special rate in the Adina Apartment Hotel Berlin Mitte under this [link](#) (according to availability).

