

## Agenda

### Day 1

09:00 – 10:00	Registration of participants & coffee
10:00 – 10:20	Welcome & goals of the Workshop
10:20 – 10:40	Biofilm: the good, the bad and the ugly
10:40 – 11:00	Interdisciplinary approach for PJI treatment
11:00 – 11:30	Discussion
11:30 – 12:00	Coffee break
12:00 – 12:20	Algorithmic approach for PJI treatment
12:20 – 12:40	Diagnostic algorithm for PJI
12:40 – 13:00	Systemic antimicrobial treatment
13:00 – 13:30	Discussion
13:30 – 14:20	Lunch
14:20 – 15:20	Therapy of PJI: <ul style="list-style-type: none"><li>• Algorithmic approach in PJI</li><li>• Surgical approaches: State of the art</li><li>• Tips &amp; tricks</li></ul>
15:20 – 15:50	Discussion
15:50 – 16:20	Coffee break
16:20 – 16:35	Case presentation
16:35 – 16:50	Principles of antibiotic loaded bone cement
16:50 – 18:10	Practical workshop (2 groups in parallel): <ul style="list-style-type: none"><li>• Demonstration of sonication &amp; biofilm detection methods</li><li>• Preparation of antimicrobial-loaded bone cement</li></ul>
From 19:00	Dinner (not included in the registration fee)

### Day 2

08:30 – 09:00	Coffee (meet the experts informally)
09:00 – 09:20	Experience with war injuries from Ukraine
09:20 – 09:40	Hematogenous origin of PJI
09:40 – 10:00	Bone Defect Reconstruction with Calcium Sulfate-based Substitutes: Clinical Experience and Advances
10:00 – 10:40	Discussion
10:40 – 11:10	Coffee break
11:10 – 11:25	Case discussion
11:25 – 11:40	Disaster cases – Surgical and infectiological aspects
11:40 – 11:55	TBD
11:55 – 12:55	Participants' cases & discussion
12:55 – 13:00	Wrap-up & course evaluation

## 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: Approved with **10 CME credits** by the Medical Chamber Berlin, and approved by Ethical MedTech. Other courses: 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 & Treatment of Periprosthetic Joint Infection (PJI)* as well as a selection of relevant publications related to PJI.

**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/workshops/>

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**Target audience:**

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

- Traumatology, orthopedic or related surgery dealing with implants
- 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. orthopedic/trauma surgeon and microbiologist/infectious diseases specialist.



# Workshop on Management of Periprosthetic Joint Infection (PJI)

Berlin, Germany

February 10 – 11, 2025

June 2 – 3, 2025

November 3 – 4, 2025

**Faculty:**

**Prof. Dr. med. Andrej Trampuz**

Royal Brisbane and Women's Hospital (RBWH) and Queensland University of technology (QUT), Australia

**Dr. med. Sebastian Meller**

Charité - University Medicine Berlin, Germany

## Welcome

Dear colleagues, dear friends,

It is our great pleasure to invite you to our Workshops on Management of Periprosthetic Joint Infection (PJI) 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 prosthetic joint infection. 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 periprosthetic joint infection to fulfill this aim together.

Yours sincerely,



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



## The goal: Advancing knowledge

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

## The challenge: Biofilm and implants

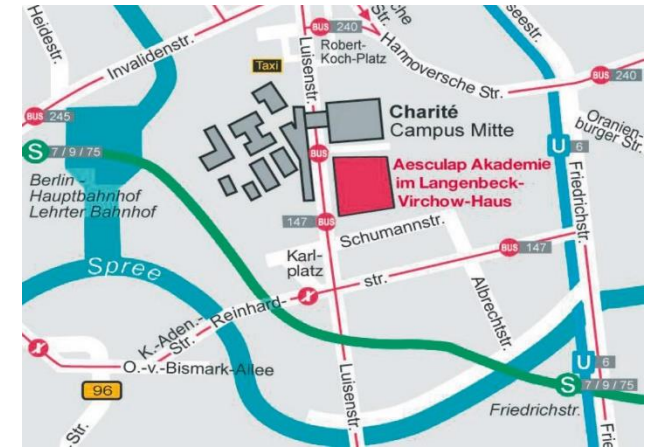
Implant-associated infections occur in 1-5% after primary and up to 20-30% after revision surgery. Bacteria grow on medical devices as biofilm, making them difficult to detect and to eradicate. These infections cause considerable morbidity and increase healthcare costs. An efficient concept can significantly improve the treatment outcome and life quality of patients.

## The solution: Teamwork

The key to success is an interdisciplinary approach integrating the latest evidence, clinical experience and innovations in diagnosis, local and systemic antimicrobials and surgical techniques.

## Topics of discussion

- Epidemiology & implant registries: Primary and revision arthroplasty
- The importance of animal
- Diagnosis: microbiology, cytology, histology, imaging
- Prevention of infection
- Surgical and antimicrobial therapy
- Therapeutic options for difficult-to-treat organisms
- Local antimicrobial therapy, drug delivery systems, bone substitutes and bone grafts
- Osteomyelitis and septic arthritis, incl. cruciate ligament infections
- Guidelines of international societies
- Hematogenous infection
- Early postoperative infection: when to revise hematoma
- Delayed (low-grade) infection: diagnostic difficulties and treatment options
- Chronic painful joint without obvious signs of infection and repeated negative microbiology
- Culture-negative infections: To treat or not to treat
- Difficult surgical cases: multiple revisions, compromised soft tissues, insufficient bone stock, persistent infection
- Typical mistakes leading to treatment failure



## 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).

