

## 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.

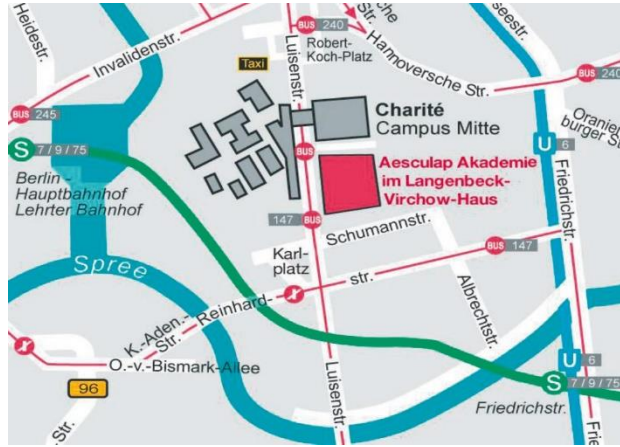
## The solution: Teamwork

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

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## 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 Hotel Mitte.



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# Workshop on Management of Periprosthetic Joint Infection (PJI)

Berlin, Germany  
January 23-24, 2023

## Faculty:

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

**Dr. Sebastian Meller**  
Charité - University Medicine Berlin, Germany

[www.pro-implant.org](http://www.pro-implant.org)

## Welcome

Dear colleagues, dear friends,

After a long break, we are more than happy to finally be able to hold face-to-face workshops in Berlin again! It is our great pleasure to invite you to our Workshop on Management of Periprosthetic Joint Infection (PJI) in October 2022 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 interactive lectures are specially designed to share experience and interact with other participants.

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 Prosthetic Joint Infection in 2022 to fulfill this aim together.

Yours sincerely,



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



## Agenda

### Monday, 23<sup>rd</sup> January 2023

9:00 am	Registration of participants & coffee
10:00 am	Welcome & goals of the Workshop
10:15 am	Biofilm: the good, the bad and the ugly
10:35 am	Diagnosis and definition of PJI
10:55 am	Histopathological diagnosis of infections
11:10 am	Discussion
11:25 am	Coffee break
11:55 am	Standard diagnostic algorithm
12:15 pm	New methods for biofilm-detection
12:35 pm	Lunch
1:20 pm	Therapy of PJI: Algorithmic approach in PJI; Surgical approaches: State of the art; Systemic AB treatment: State of the art
2:50 pm	Results from clinical studies
3:05 pm	Coffee break
3:35 pm	Principles of antibiotic loaded bone cement
3:50 pm	Practical workshop (2 groups in parallel): Sonication & biofilm detection methods; Preparation of antimicrobial-loaded bone cement
5:20 pm	Stimulan in Primary and Revision Total Joint Replacement
5:40 pm	Measurement of patient satisfaction after PJI treatment
5:50 pm	Cases from participants & discussion
7:30 pm	Dinner (not included in the registration fee)

### Tuesday, 24<sup>th</sup> January 2023

8:30 am	Coffee (meet the experts informally)
9:00 am	Innovations from the research lab: from bench to bedside: First clinical experience of bacteriophages; Investigational anti-biofilm techniques: Electricity
9:30 am	Future diagnostic non-culture tests
9:40 am	Septic arthritis
10:00 am	Prevention of infection
10:20 am	Coffee break
10:50 am	Hematogenous origin of PJI
11:10 am	Presentation of complex cases
11:25 am	Experience with war injuries from Ukraine
11:45 am	Clinical case presentation
12:00 pm	Common mistakes in the management of PJI
12:20 pm	Lunch buffet
1:15 pm	Clinical case presentations
1:30 pm	Questions from the audience
2:30 pm	Wrap-up & course evaluation

## Organizational details

Workshop language: English

Course fee: 520.00 €

**Early Bird registration:** 480.00 € (until 30 days prior to the workshop)

**Credits:** Accredited with 14 CME-points by the Medical Chamber Berlin (Ärztchamber Berlin) and Ethical MedTech

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

**Educational material:** All participants receive the latest version of the Pocket guide to Diagnosis and Treatment of Prosthetic Joint Infection and all 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:** Online:

<https://pro-implant.org/education/workshops/8>

**Contact:** Lilith Johannsen

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[lilith.johannsen@pro-implant.org](mailto:lilith.johannsen@pro-implant.org)

**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.

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