

## Workshop on Prosthetic Joint Infection (PJI)

**Venue:** Langenbeck Virchow Haus, Luisenstraße 58-59, 10117 Berlin, Germany,  
Room Robert Koch, 5th floor

**Moderators:** Dr. Andrej Trampuz, Dr. Nora Renz, Charité – Universitätsmedizin, Berlin, Germany

**Monday, 25 June 2018**

09.00 – 10.00	Registration of participants and coffee	
10.00 – 10.20	Welcome & goals of the Workshop	Faculty
10.20 – 10.40	Biofilm on implants: a microorganism causing a macroproblem	Trampuz
10.40 – 12.30	Diagnosis of PJI – interactive session <ul style="list-style-type: none"> <li>• Definition and classification of PJI</li> <li>• Preoperative and intraoperative diagnostic tests: State of the art</li> <li>• Histopathology of periprosthetic tissue: conventional and new approaches (CD15 score)</li> <li>• Synovial fluid biomarkers (alpha-defensin, D-lactate)</li> <li>• Sonication and other biofilm detection methods (chelating and reducing agents)</li> </ul>	Trampuz    Renz/Karbysheva Karbysheva
12.30 – 13.30	Lunch buffet	
13.30 – 15.30	Therapy of PJI – interactive session <ul style="list-style-type: none"> <li>• Modern treatment concepts: Algorithmic approach</li> <li>• Surgical approaches: State of the art</li> <li>• Systemic antimicrobial treatment: State of the art</li> <li>• Local antibiotic treatment: State of the art</li> </ul>	Trampuz/Baecker Baecker Trampuz Berberich
15.30 – 16.00	Coffee break	
16:00 – 17:00	Bugs, bugs, bugs <ul style="list-style-type: none"> <li>• The challenging “minorities”</li> <li>• Do we need to know the pathogen?</li> <li>• Beyond bacterial kingdom: Fungal PJI</li> </ul>	Renz Trampuz Almeida
17.00 – 17.40	The importance of knowing the pathogenesis of infection <ul style="list-style-type: none"> <li>• Hematogenous PJI – finding the primary source</li> <li>• The tricky patient – detective skills needed?</li> </ul>	Rakow Margaryan
17.40 – 18.40	Unusual cases and unconventional approaches	Sanoja, Capurro, Almeida, Tkhilaishvili
19.30	Dinner at restaurant “Alpenstück”, Gartenstraße 9, 10115 Berlin	

**Tuesday, June 26, 2018**

09.00 – 10.00	Innovations from the research: from bench to bedside <ul style="list-style-type: none"> <li>• Catch &amp; release strategy for treatment of infection</li> <li>• Activity of gentamicin-loaded bone graft substitutes</li> <li>• Bacteriophages against bacterial biofilms</li> </ul>	Czuban Butini Di Luca, Tkhilaishvili, Klatt
10.00 – 10.20	Septic arthritis – State of the art	Conen
10.20 – 10.40	Septic arthritis after cruciate ligament repair	Perez-Prieto
10.40 – 11.00	Local antimicrobial delivery by hydrogels	Di Martino
11.00 – 11.30	Coffee break	
11:30 – 11:50	Prevention of infection	Margaryan
	Practical workshops (2 workshops each 30 min. in parallel)	
11.50 – 13.00	<ul style="list-style-type: none"> <li>• Demonstration of sonication</li> <li>• Preparation of antimicrobial-loaded bone cement</li> </ul>	Karbysheva Perez-Prieto
13.00 – 14.00	Lunch buffet	
14.00– 15.00	Common mistakes in the management of PJI	Renz / Trampuz / Baecker / Perez-Prieto
15.00 – 15.30	Cases discussion	Faculty / participants
15.30 – 16.00	Wrap-up & course evaluation	