

Oral Abstracts

Key Session 2

[O5] BIOFILM BIOLOGY AND NOVEL THERAPIES IN PJI

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Prosthetic joint infection (PJI) remains one of the most feared complications of total hip arthroplasty. The Biofilm is central to the pathogenesis of PJI - without a sound understanding of its biology one cannot hope to prevent and treat PJI in our clinical practice. The collaboration of biofilm biologists, microbiologists and orthopaedic surgeons only started in the 1980's but since then there has been a vast amount of valuable research. In an era where healthcare and surgery is increasingly threatened by multi-resistant bacteria we would benefit from studying the molecular behaviour of bacteria in the biofilm. This lecture will provide an update for the orthopaedic surgeon of the current biofilm literature and the novel therapies that may be helpful in the prevention and treatment of PJI.