



A **postdoctoral research associate** position is available in the **Infection Biology Focus Area** of the the AO Research Institute Davos (ARI).

The successful applicant will be working within a multi-disciplinary team investigating host-pathogen interactions in the context of *Staphylococcus aureus* Fracture-related infection (FRI). The position may be particularly suitable for candidates experienced in microbiology (bacteriology and virology) with an interest in developing cross disciplinary skills including mammalian cell culture, in vivo studies, and host pathogen interactions. The successful candidate will lead a research project investigating *S. aureus* infection of bone, with a focus on anti-virulence strategies and bacteriophage therapy.

Requirements: The ideal candidate is an independent thinker, highly self-motivated and holds a degree in microbiology, biology, or a related field; has excellent all-around bacteriology laboratory skills and familiarity with common pathogens encountered in FRI. Experience in biofilm culture, interactions of bacteria with bone, confocal microscopy and bacteriophage will be valued. Experience in laboratory animal studies is beneficial, but not required. Familiarity with a cross-cultural/interdisciplinary environment is an advantage.

The position is based in Davos for an initial period of 2 years. The successful candidate will have opportunities to develop their own research projects. A high level of spoken and written English is required.

What we offer: Working at the forefront of R&D in a world-renowned musculoskeletal research institute; a challenging and rewarding R&D program; a wide international network.

About the workplace

The mission of the **AO Research Institute Davos** (ARI) is to advance patient care through innovative orthopaedic research and development concerning musculoskeletal, spine and cranio-maxillo-facial trauma, degenerative musculoskeletal diseases, infections, and congenital disorders.

<https://www.aofoundation.org/what-we-do/research-innovation/about>

Location: ARI is in Davos, a renowned Swiss mountain resort, which is a paradise for winter and summer mountain sports: <https://www.davos.ch/en/>

Applications will be accepted until the position is filled. Ideal starting date is June 2021. For more information please do not hesitate to contact Dr. Fintan Moriarty fintan.moriarty@aofoundation.org.