



Research Institute Davos

## Internship Position 2020-2021 at the AO Research Institute Davos

We have an **Internship position** available from Oct. 1<sup>st</sup> 2020 (later date can be discussed), in the Regenerative Orthopaedics Program, **Bone Biology** focus area.

Bone fracture healing is known to require a certain level of mechanical stimulation to initiate and promote callus formation. Though, optimal loading parameters to enhance fracture healing have not yet been entirely defined, and their effect at the cellular level still needs to be clarified. In this context, we are looking for a highly motivated student to work on the effect of mechanical stimulation on controlling the mesenchymal stromal cell differentiation fate using a custom made Bioreactor.

If you:

- are enthusiastic,
- have a bachelor's degree (or equivalent) in biomedical engineering, cell biology, tissue engineering / regenerative medicine or related topics,
- have some laboratory experience in cell culture and molecular biology,
- are willing to learn new techniques, and extend your lab-experience,
- have good communication skills (English),

please join our team.

We offer:

- an interesting, challenging and rewarding internship in a multidisciplinary research environment.
- high quality training in a world-recognized musculoskeletal research institute,
- a very international work environment with people from all around the globe based in Davos, a famous Swiss mountain resort.
- living-costs support with a student accommodation, and stipend.

The AO Foundation's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

In its work to further the AO mission, AO Research Institute Davos' purpose is to advance orthopedic patient care through innovative research and development.

If you feel you meet the requirements of this opportunity please send your complete dossier (motivation letter, CV, name of 2 persons of reference) to [sophie.verrier@aofoundation.org](mailto:sophie.verrier@aofoundation.org).

The preferred starting date is October 1<sup>st</sup>, 2020 (later date can be discussed), and the internship is limited to 10 months, with possible extension.