

BMM Postdoc -

Postdoc Biomedical Materials Focus Area

Regenerative Orthopedics Program

Topic: Soft biomaterials for regenerative medicine. The successful candidate will contribute developing **dynamic materials** for tissue engineering/regenerative medicine and drug/cell delivery for the **musculoskeletal system**. The position will be involved in ongoing research concerning the chemical modification of biopolymers, their biofabrication to achieve constructs with dynamic characteristics to foster cell invasion and thereby tissue regeneration. Part of the work is a collaboration with the Baltic Biomaterials Center of Excellence in Riga, Latvia (<https://bbcentre.eu/>), and the successful candidate will be also involved in educational activities to share best practices between ARI and BBCE.

Requirements: The candidate must be **very self-motivated** and have a strong interest in the research topic. The ideal candidate has excellent laboratory skills in **chemically modifying soft biomaterials** to tailor their chemical, biological and rheological properties and holds a **PhD degree** in a relevant discipline. Experience in cell encapsulation, vasculogenesis, culture of MSCs and related biochemical assays, and biofabrication is a plus.

Eligibility to apply and obtain a Visa for temporary residence in Switzerland is **essential**.

We require **good English language skills**, a work ethic suitable to the challenges we plan to offer. Familiarity with a cross-cultural/interdisciplinary environment is an advantage.

What we offer: Training at the forefront of biomaterials research in the context of a world-renowned musculoskeletal research institute; a challenging and rewarding research and educational program within a unique global organization based in Davos that offers urban flair in a pristine natural environment; a wide international network with the best scientists in the field, support searching for accommodation; networking opportunities to prepare the candidate for the next step in her/his career. The position is immediately available, with termination on 30/06/2026.

ARI's **Biomedical Materials Focus Area** is committed to designing advanced biomaterials and the development of manufacturing technologies for improved musculoskeletal disorders therapies.

We create polymeric biomaterials that react to environmental stimuli, that interact with cells and tissues and that are amenable to cutting-edge biofabrication technologies.

If you meet the requirements of this challenging opportunity, please submit your complete online application on LinkedIn <https://www.linkedin.com/jobs/view/4028754937> .

Applications received via other channels will not be considered in the process.