

Postdoctoral position in the Computational Structural Biology laboratory (Andrea Cavalli)



Artificial Intelligences applied to antibody discovery

The Computational Structural Biology laboratory (Andrea Cavalli) at the Institute for Research in Biomedicine (IRB, Bellinzona, Switzerland) is recruiting a highly motivated postdoc to work on the development and application of artificial intelligence (AI), in particular large language models (LLM), to the discovery of antibodies. The project is funded by a Sinergia grant from the Swiss National Science Foundation (SNSF) and will be carried out in a laboratory affiliated to the Swiss Institute of Bioinformatics (SIB). Preferred starting date is beginning of 2024.

Qualification:

Our international team will welcome candidates with a PhD in Computational Sciences, Computational Biology or related fields, with less than 3 years of postdoctoral experience and expertise in development and application of novel AI based methods, such as large language models (LLM). Furthermore, candidates should have strong programming skills (Python) and experience in structural biology.

Interested candidates are kindly requested to send an application containing a cover letter (1 page), CV (1 page), summary of previous research (1 page), and the contact information of two professional references to: andrea.cavalli@irb.usi.ch.