

****PhD & Postdoc position in microbial evolution****

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The big question in our new group is how ecological interactions drive microbial evolution, both in general and in the context of infectious disease. We address this primarily using experimental populations of bacteria and viruses, but are increasingly mixing that with theory. Current topics include the evolution of antibiotic resistance and bacteria-virus interactions. We are looking for motivated people who can develop projects, carry out experiments and interact with other researchers with a high degree of independence. Potential projects are given below, but specifics will be tailored to suit skills and interests.

PhD position (start date: negotiable; salary 47,040 CHF p.a. gross)

Topic: Quantifying virus resistance in natural and clinical isolates of bacteria.
Profile: Masters degree in a relevant discipline; excellent communication skills in English; practical experience with microbiology, evolutionary biology or host-parasite interactions.

Postdoc position (start date: negotiable; salary 86,300 CHF p.a. gross)

Topic: Developing new experimental approaches for studying the evolution of enteric bacteria.
Profile: PhD in a relevant discipline; excellent communication skills in English; advanced knowledge of evolution, microbiology and statistics.

To apply:

Send a single pdf file containing (1) a cover letter describing your research interests and motivation, (2) a CV and (3) contact details for two or three referees to alex.hall@env.ethz.ch. Deadline: Open until filled.