

## FORSKERPRAKTIK 2024

### Projekt 7

**Name:** Shaida Panbachi

**Title:** PhD student in pharmaceutical science

**University:** University of Basel (Switzerland)

**NB – the workshops for this project take place online, as the researcher lives abroad!!**

<b>Project head line:</b>	Pharmaceutical research improving drug delivery to humans (as part of an EU project aimed at eliminating animal testing)
<b>Field of research or institute:</b>	<i>Pharmaceutical sciences</i>
<b>Language:</b>	<i>English (preferred)</i>
<b>Courses/gymnasiefag in high school related to your subject:</b>	<i>Maths, Chemistry, Biology</i>
<b>Short resume of the project purpose – what are the students going to learn and do:</b>	<p>In this workshop we will cover the pipeline of pharmaceutical research which starts from pre-formulation research, animal testing (whose controversy will also be covered), and finally clinical trials on humans.</p> <p>My specific field of research will also be covered, in that I will present my own project as a method to increase solubility of drugs (increasing bioavailability of drugs in the body), as part of an EU project aimed at eliminating animal testing.</p>
<b>Further description:</b>	<p>Research in the field of pharmaceuticals presents itself as a niche field in STEM (science, technology, engineering and mathematics) research, where most of the sciences are intersecting. Pharmaceutical research covers a broad realm of subjects from chemistry, physics, biology, mathematics, social sciences, medicine and others. Any student with the smallest curiosity into any of the science subjects will be sure to find something that would catch their attention.</p> <p>The students will learn about what pharmacists do and the different approaches to pharmaceutical research. I hope to build a fundament of basic knowledge into the pharmaceutical field to encourage them to consider it as a potential future career.</p>