

Freiburg, 29.02.2024

# Go for the pipettes!

nanodiag BW inspires at the Regionalwettbewerb „Jugend Forscht“

Freiburg, 29.2.2024 – nanodiag BW presented itself with great success at the regional competition "Jugend Forscht" on February 22 and 23, 2024. The research cluster presented its project at the joint booth of the Faculty of Engineering at the University of Freiburg: multimedia and hands-on.



Our scientists Sinja Bächtle and Carolin Engemann explain to the interested young audience what they are proving in their laboratory experiments.

The young visitors took great pleasure in **experimenting with the pipettes**. Our scientists Carolin Engemann and Sinja Bächtle showed how pipettes can be used to paint a membrane into which a nanopore will be incorporated in a subsequent step. Whether the "painting" was successful was measured electronically and **visualized on the computer**. A short video illustrated how nanodiag BW makes use of these tiny pores in the fragile

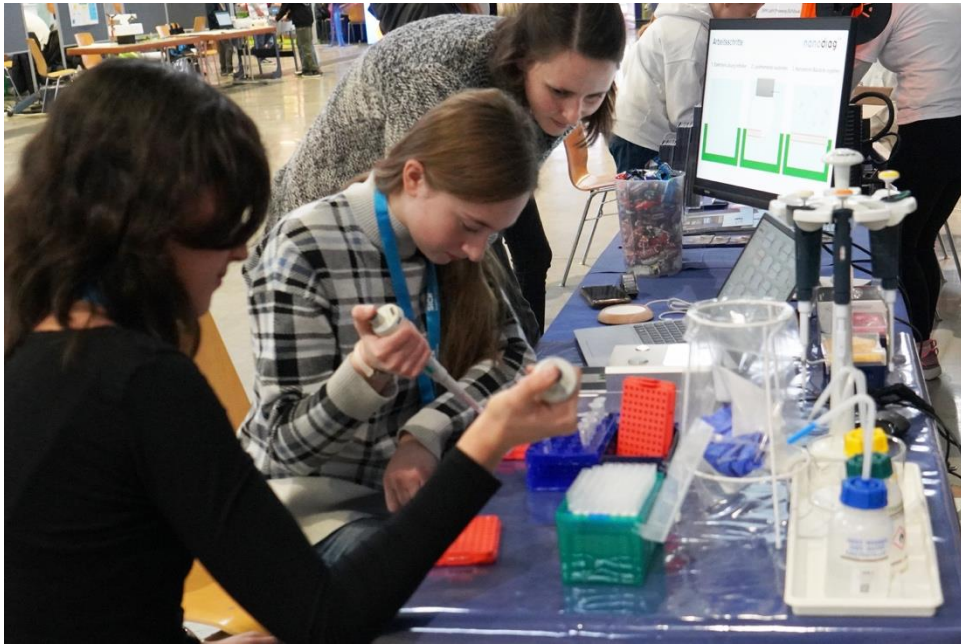
membranes in its research project. And the experts explained what this has to do with our health.



Who's going to hit the hole? Our researchers have to thread a protein through a tiny nanopore. How does that work? The explanation was given at our booth.

There was also something to be won in our hands-on game "Cornhole". Anyone who wanted to, and almost everyone did, grabbed one of the throwing bags and tried to aim for the hole. **Young and old had a lot of fun!**

nanodiag BW's participation in the regional competition "Jugend Forscht" was extremely successful. We would like to thank the **University of Freiburg** which acted as a gold sponsor and made it possible for us to participate. We hope that we were able to interest many of the enthusiastic visitors in studying natural sciences so that our research cluster is assured of the **next generation of creative talents!**



Quite tricky, but doable! Two students pipetting.

What is the regional competition „Jugend Forscht“?

The South Baden regional competition is the largest regional competition in Baden-Württemberg. This year, 156 young researchers took part with a total of 79 projects under the motto "**Mach dir einen Kopf**". The topics came from the fields of work, biology, chemistry, earth and space sciences, math/computer science, physics and technology. The projects were assessed by the jury on the first day of the competition. The winners will then go on to compete in the state competition. The competition was supported by sponsors such as the University of Freiburg and other institutions. On the second day, "Jugend Forscht" opened its doors to the public, where around 1,000 pupils and other interested parties visited the competition in the SICK Arena at Messe Freiburg.

[Link zum Video](#)

[Link zum Regionalwettbewerb "Jugend Forscht"](#)

[Link zur Technischen Fakultät der Universität Freiburg](#)