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nanodiag BW inspires the STEM next generation (1.02.2024)

Insight into our day-to-day work for pupils

On February 1, 2024, the Faculty of Engineering at the University of Freiburg opened its doors to 9th and 10th graders from high schools in Waldkirch and Kirchzarten. They learned what it takes to study **microsystems engineering or computer science**, and two employees from nanodiag BW showed them what everyday working life can look like after graduation. Helena Gmoser and Michelle Hinrichs gave an exciting insight into laboratory work.



Helena Gmoser explains how diseases can be detected today

The Chair of Application Development at the Institute of Microsystems Engineering (IMTEK) at the University of Freiburg and the Hahn-Schickard Institute for Microanalysis Systems are conducting research in the fields of molecular and **protein diagnostics** as well as the automation of test procedures using **robotics** and **microfluidics**. Current research topics also include nanopore technology, which is being advanced as part of nanodiag BW for future application in epigenetics and personalized medicine.



Michelle Hichrichs shows the microfluidic LabDisk, an example of automated diagnostics

We are delighted that we were able to get young people interested in our research and give the next generation of STEM students an **insight into practical laboratory work**.

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