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# Newsflash

## Topics

[SimplyNano 2: Kick-Off in Zurich](#)

[ARC-Project against plastic pollution](#)

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[Mechanisms behind resistance to nanosilver](#)

[New toxicity testing on placenta and embryo](#)

## Dear Sir or Madam

Welcome to our newsflash for the month of October with the following news items:

- Zurich is the fifth canton to equip all its secondary schools with 1'200 SimplyNano 2 experimental kits
- The ARC-Project is combating the ocean's plastic pollution in the heart of Zurich
- Covid-19 vaccines contain nanoparticles - "are they dangerous?" asks Beat Glogger from higgs.ch
- A new study investigated the mechanisms behind bacterial resistance to nanosilver
- Researchers at ETH Zurich have developed a new cell culture test, contributing further to the reduction of animal testing

Enjoy the read and kind regards,

The Innovation Society, St.Gallen

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## Zurich the fifth canton to equip secondary schools with 1'200 SimplyNano 2 kits



In the canton of Zurich, high school classes will be experimenting with nanotechnology in the future. Starting this fall, schools will be provided with 1,200 "SimplyNano 2" experiment kits free of charge. The project is already running successfully in four cantons. It is to be implemented throughout Switzerland by 2025.

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## ARC-Project: Testing on the Limmat to combat plastic in the oceans



This summer, students from ETH Zurich will test various technologies on the Limmat for the automatic removal of waste. The Autonomous River Cleanup project is starting with rivers to tackle the global problem of marine pollution.

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## Higgs.ch asks: Are the nanoparticles in Covid vaccines capable of harming us?

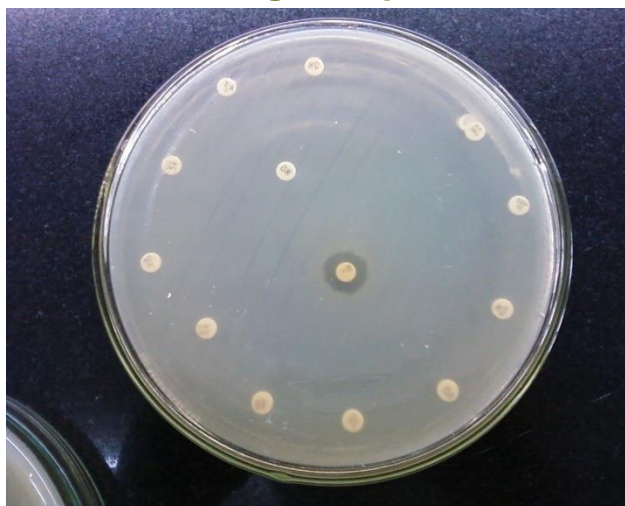


Again and again, the argument comes up that the currently used Covid vaccines contain nanoparticles. This is true, but is it dangerous?

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## Study analyzes mechanisms behind bacterial resistance to Ag nanoparticles

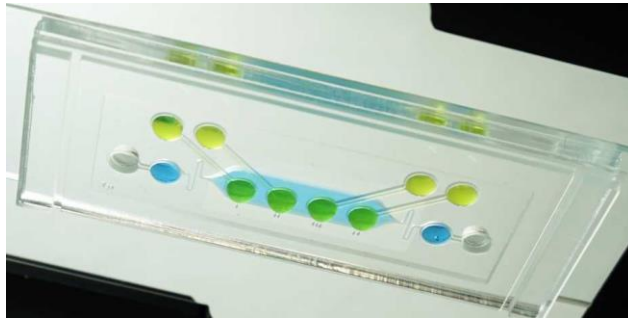


Antimicrobials find their use in destroying or slowing down the growth of viruses, bacteria and other microorganisms. The misuse and overuse of antimicrobial agents are significant drivers of antimicrobial resistance. Silver nanoparticles are one kind of sophisticated material with antimicrobial properties that are well- documented.

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## Toxicity testing on the placenta and embryo



Researchers at ETH Zurich have developed a cell culture test to detect substances that are directly or indirectly harmful to embryos. Based on an existing test used for developing new drugs and chemicals, the augmented version is designed to help reduce the number of animal experiments.

**[Read article](#)**

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