



the  
innovation  
society

March 2020

# Newsflash

## Topics

*SimplyNano 2 in  
Eastern Switzerland*

*Swiss NanoAnalytics*

*Fast cancer detection  
from breath*

*From waste to  
graphene*

Dear Sir or Madam

Welcome to our March newsflash with the following news:

- SimplyNano 2 to be used comprehensively in Eastern Switzerland
- Swiss NanoAnalytics platform to detect nano in consumer goods
- Sniffing out cancer is as easy as breathing
- Electricity turns garbage into graphene

Enjoy the reading and kind regards,

The Innovation Society, St.Gallen

## SimplyNano 2 to be used comprehensively in Switzerland



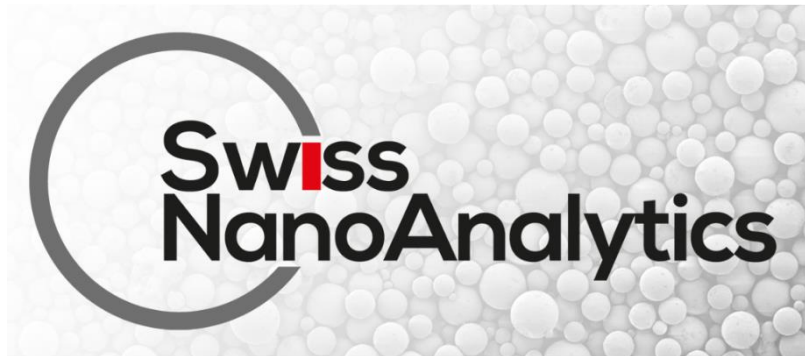
After Aargau, the canton of St.Gallen is already the second canton to make the new SimplyNano 2 experiment kit available as a teaching aid to all high schools. The schools in Appenzell Innerrhoden and Ausserrhoden will also receive cases. This will strengthen the MINT subjects and help to combat the shortage

of skilled workers. By 2023, the teaching material should be available in all upper school classes throughout Switzerland.

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## Swiss NanoAnalytics platform to detect nano in consumer goods

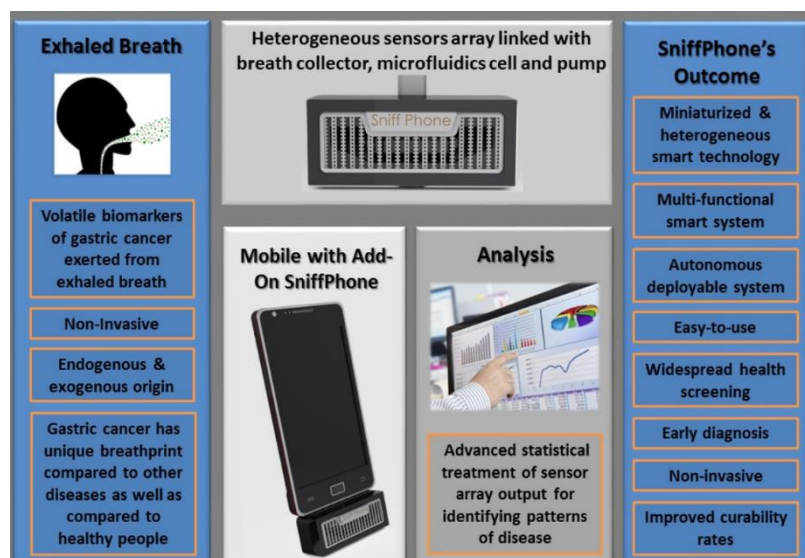


As of 2021, the food industry and cosmetics manufacturers will have to officially declare the presence of nanomaterials in any of their products sold in Switzerland. The Swiss NanoAnalytics service platform, which aims to help both industry and the authorities in the detection and declaration of nanomaterials contained in consumer goods, was officially launched at the Adolph Merkle Institute in Fribourg.

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## Sniffing out cancer is as easy as breathing



Early detection and regular screening for cancer can save many lives. However, such services have traditionally required booking hospital appointments and tests, sometimes weeks in advance. In most cases, delays in diagnosis and treatment mean the disease becomes harder to treat.

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## Electricity turns garbage into graphene



Science doesn't usually take after fairy tales. But Rumpelstiltskin, the magical imp who spun straw into gold, would be impressed with the latest chemical wizardry. Researchers at Rice University reported in *Nature* that they can zap virtually any source of solid carbon, from food scraps to old car tires, and turn it into graphene – sheets of carbon atoms prized for applications ranging from high-strength plastic to flexible electronics.

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