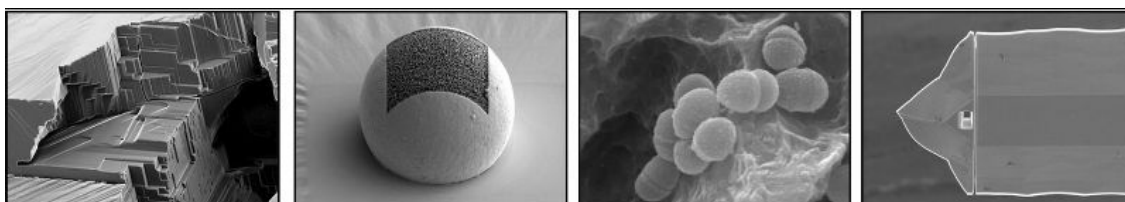


NANO IMAGING LAB

Newsletter

Volume I, June 28, 2021



New Member Of The Nano Imaging Lab



In June we welcomed **Marcus Wyss** as a new member of the Nano Imaging Lab. Marcus pursued a number of nano-magnetic imaging projects including x-ray magnetic circular dichroism photoemission electron microscopy (XMCD-PEEM) at the Paul Scherrer Institute and scanning probe microscopy (SPM) experiments in the group of [Prof. Dr. Martino Poggio](#) at the University of Basel. He graduated in 2018 and worked on the [FIBsuperProbes](#) project as a Post-Doc in the same group on a new design for SQUID-on-tip sensors for the next generation of SSM.

Marcus works in the 'Full Service' of the Nano Imaging Lab with multi-beam instruments (FIB / SEM and TEM / STEM). If necessary he develops new solutions together with the

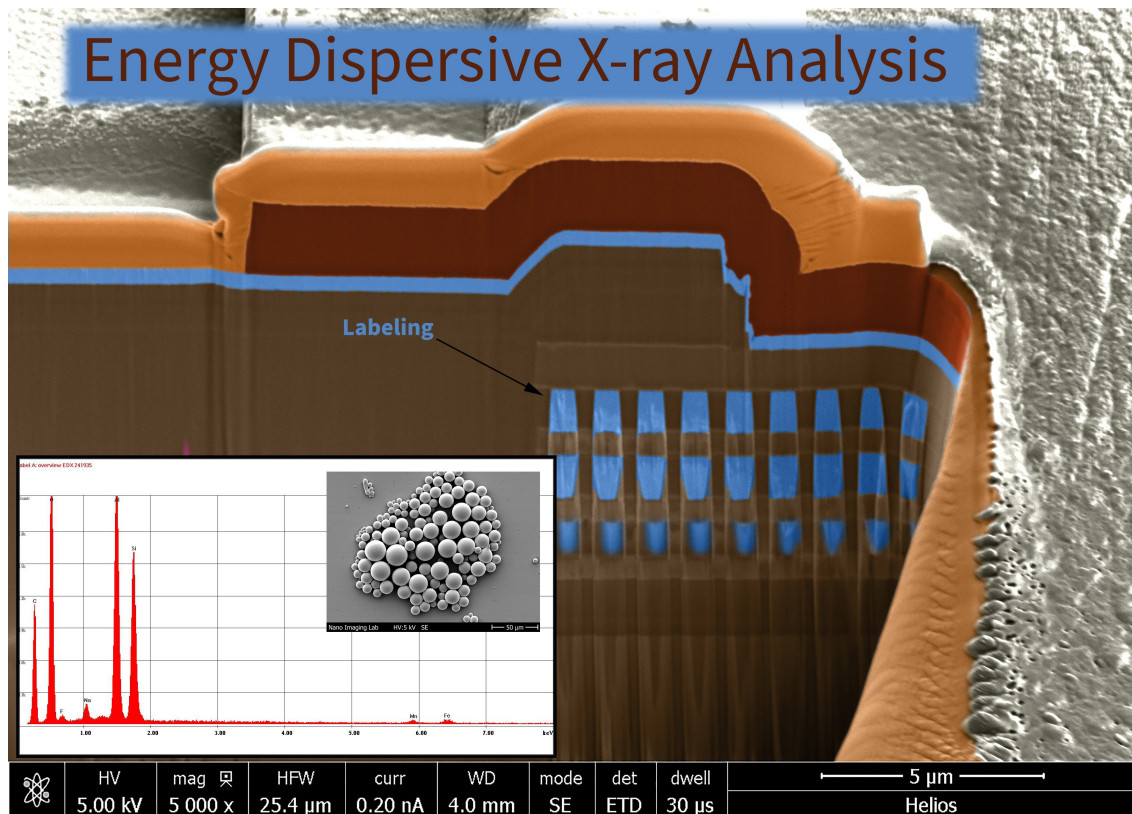
customers for the preparation, imaging and analysis of their preparations. He researches and develops in the fields of nanometer-scale sensing devices, quantum computing and nanofabrication.

We are very happy to have you with us, Marcus!

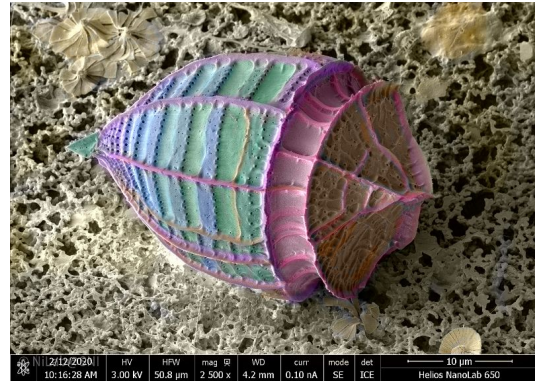
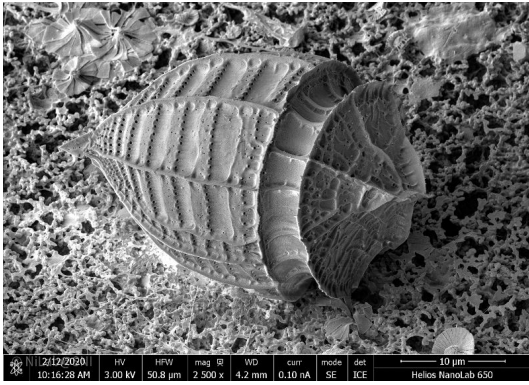
New Service For Our Customers: Digital Photomontage And Coloration

SEM pictures, which usually come in black and white, are already rather impressive and beautiful. By putting them into a colourful scene we can highlight mechanisms and functions to better understand, what we see; or just turn them into a little piece of art.

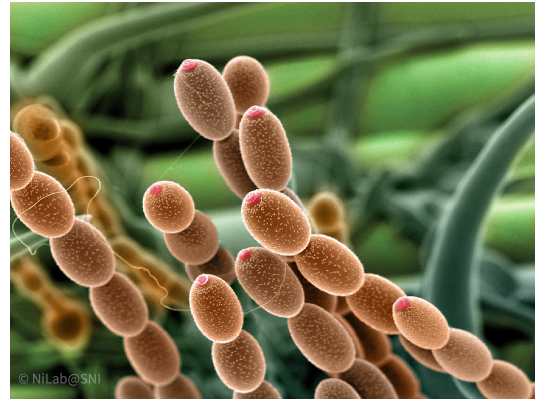
Your energy dispersive X-ray-analysis (EDX) results, for example, could be presented like this:



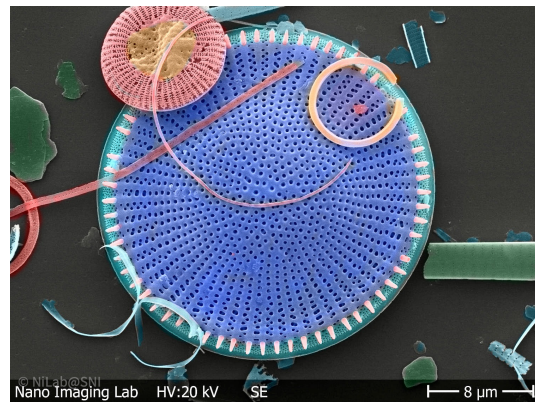
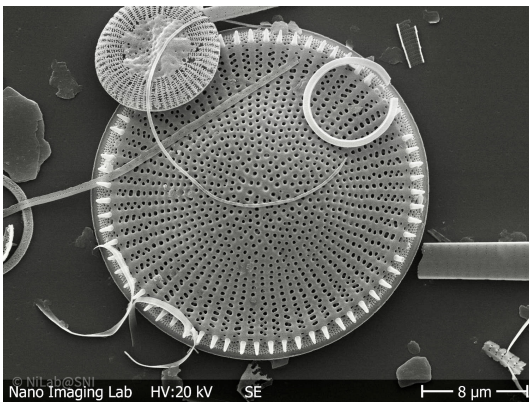
Enjoy the metamorphosis of some SEM pictures:



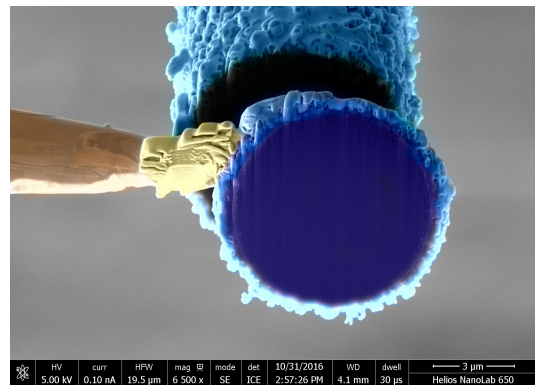
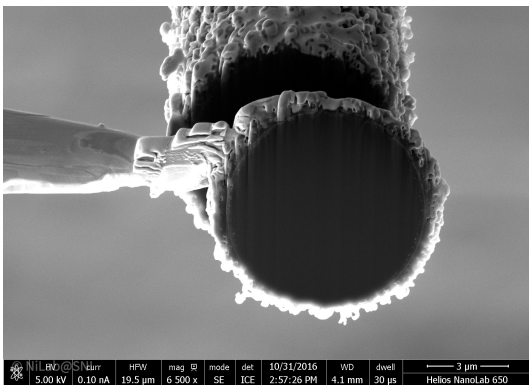
Dinoflagellat



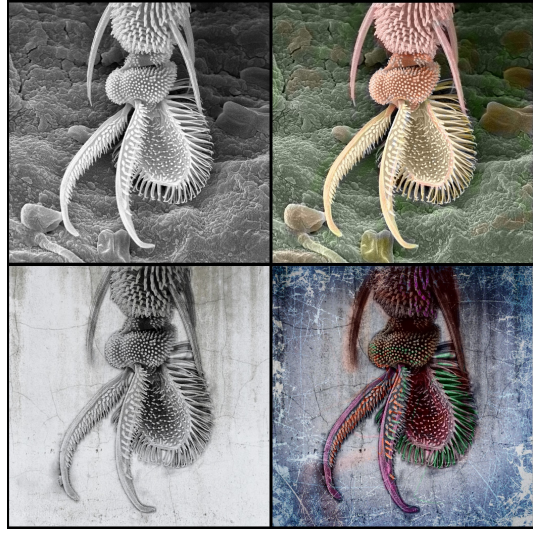
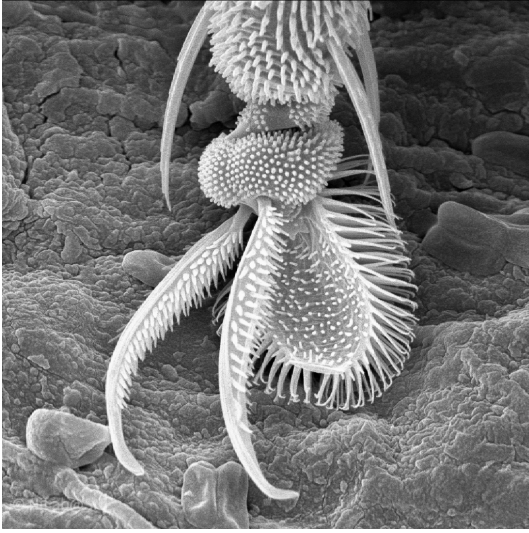
Mildew on a wine leaf



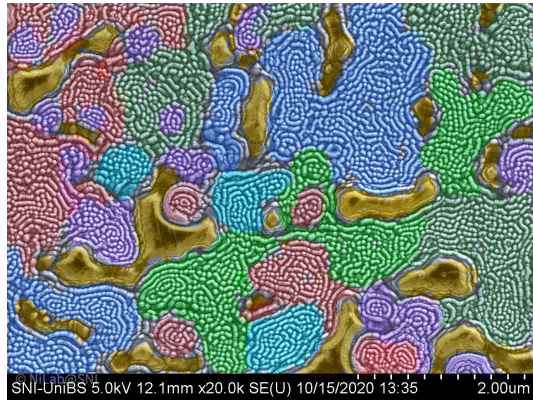
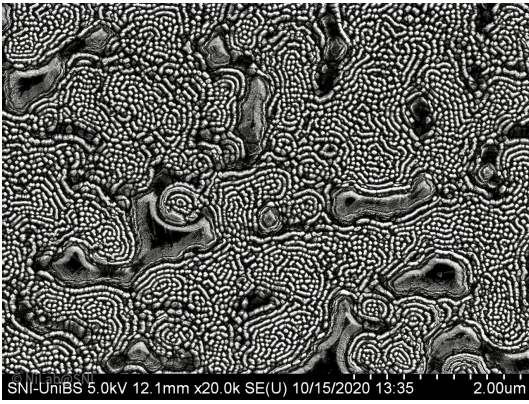
Diatoms



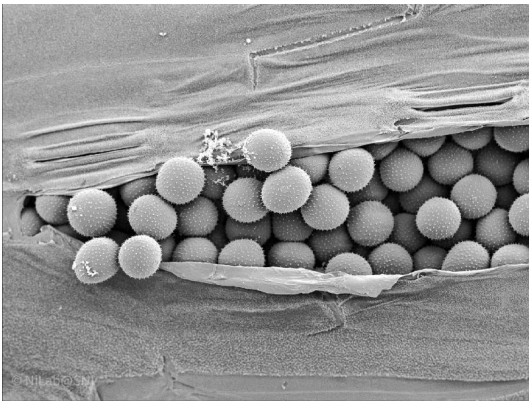
Nanowire, sliced by FIB



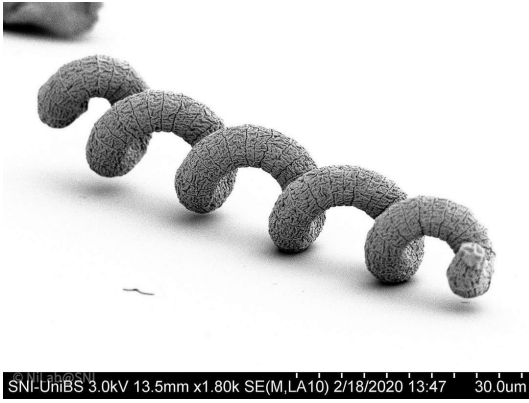
Foot of a dustmite



Surface patterning of single-crystal rhodium



Spores of Brown Rust on a wheat leaf



Spirulia algae

With the help of photo editing programs, we create collages from microscopic images or color your scanning electron microscopy images as desired. If you are interested, please put a request into our admin tool at www.nanoimaging1.unibas.ch.

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