

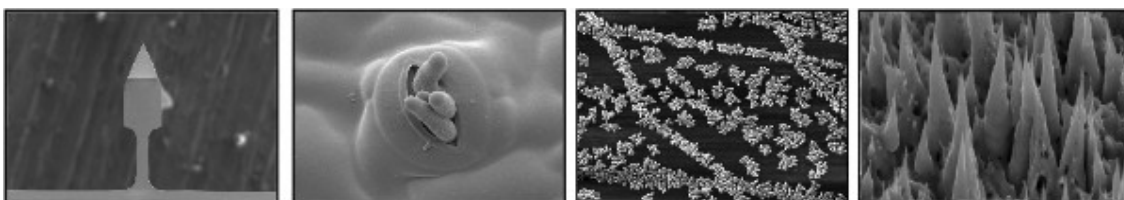
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NANO IMAGING LAB

Newsletter

VOLUME II, April 12th, 2019



Invitation to the NI-Lab's User Event 2019

Our second [User Event](#) is coming up this year on June 13th and we would like to welcome all users of the Nano Imaging Lab and everybody, who is interested at this inspiring meeting. We ask you to register by sending an email to nanoimaging@unibas.ch, but there are no fees.

User Event 2019 of SNI's Nano Imaging Lab

The Nano Imaging Lab would like to invite you to our second User Event. By short talks the wide spectrum of applications done in our lab will be presented and the event offers the opportunity to discuss with other users.

The meeting takes place at the Alte Universität, Rheinsprung 9, Basel and is at the end of a two day's meeting NanoscienceFocus: Imaging (www.nanosciencefocus.unibas.ch).

It is open not only to users, but to everybody, who is interested in the activities of the Nano Imaging Lab.

ON: JUNE 13TH, 2019

TIME: 16:00 – 18:00

LOCATION: ALTE UNIVERSITÄT

After the talks, you are welcome to an Apéro riche.

Please register until May 31st 2019 by emailing to nanoimaging@unibas.ch.

Program:

16:00	Welcome note Prof. Christian Schönenberger
16:05	Cmos chips with Carbonanotubes Alexandra Dudina, Department of Biosystems Science and Engineering, University of Basel
16:20	Analysis of Arctic Ice-nucleating Particles by Electron Microscopy Claudia Mignani, Department of Environmental Sciences, University of Basel
16:35	Fabrication of graphene based Nanoelectronics David Indolese, Department of Physics, University of Basel
16:50	Characterization of Microcraters for Cavity Quantum Electrodynamics Systems Natasha Tomm, Department of Physics, University of Basel
17:05	Revival of Ultra-Rapid Freezing and High Vacuum Drying as a preparation method for Microscopy Dr. Markus Dürrenberger, Nano Imaging Lab, University of Basel
17:20	Characterization of Semiconductor Nanowires by TEM Gerard Gadea, Department of Physics, University of Basel
17:35	Closing remarks Prof. Christian Schönenberger

We are looking forward to seeing you at our User Event !



Conference on imaging hosted by the SNI

We would also like to point out to all NI-Lab users the Conference on imaging on the nanometer scale, which takes place from June 12th to 13th 2019. It is still open for registration until April 21st 2019 (www.nanosciencefocus.unibas.ch). Participants of this conference are invited to additionally visit the User Event of the NI-Lab.



Conference on imaging on the nanometer scale across borders and disciplines

We invite researchers working in any fields of nanometer scale imaging to participate and share their latest techniques and scientific progress, and exchange ideas in a short, focused conference.

Examples of topics of interest include, but are not limited to scanning probe microscopy, electron microscopy, NV center imaging, X-ray imaging, or advanced optical imaging

Important dates:

14 January 2019 Registration and abstract submission opens
21 April 2019 Extended deadline for abstract submission and registration
14 May 2019 Notification of acceptance

Please find more information on:
www.nanosciencefocus.unibas.ch



Organisation and contact:

Dr. Andreas Baumgartner (andreas.baumgartner@unibas.ch), University of Basel, Swiss Nanoscience Institute

Program committee:

Professors D. Gerthsen (KIT), R. Jalabert (University of Strasbourg), E. Meyer (University of Basel, SNI), U. Nienhaus (KIT), G. Reiter (University of Freiburg), A. Rohrbach (University of Freiburg), V. Roucoules (University Upper Alsace), P. Samori (University of Strasbourg), C. Schönenberger (University of Basel, SNI)



SNI Lecture

Please consider this interesting talk hosted by the SNI and register at <https://nanoscience.ch/en/just-follow-the-water-en/>

University of Basel
Swiss Nanoscience Institute

SNI
SWISS NANOSCIENCE INSTITUTE

SNI Lecture

Just follow the water

The search for extraterrestrial life on Mars and the icy moons of Jupiter and Saturn

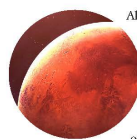
Florian Kehl, Ph.D.
Life Detection Technologist
NASA Jet Propulsion Laboratory
California Institute of Technology, USA

29 April 2019
5:30 – 6:30 pm
Pharmazentrum, Lecture Hall 1
Klingelbergstrasse 50
Basel

Please register at:
<https://nanoscience.ch/en/just-follow-the-water-en/>
Image: Shutterstock

Just follow the water

The search for extraterrestrial life on Mars and the icy moons of Jupiter and Saturn



All life – as we know it – developed in water and needs water to thrive. Today, we know that Mars once had rivers, lakes, and seas, while the moons of Jupiter and Saturn still harbor more liquid water under their icy crusts than all of Earth's oceans combined. This is why these so-called "Ocean Worlds" became a prime target for the search for evidence of life beyond Earth.



Florian Kehl, a former student of the nano curriculum in Basel and Life Detection Instrumentation Technologist at NASA's Jet Propulsion Laboratory, develops instruments and methods for the detection of biosignatures on celestial bodies.



In this talk, he's going to present how NASA and the global scientific community are planning on exploring these Ocean Worlds and why he's testing his prototypes in extreme environments on simulated Mars missions in the Atacama Desert in Chile, as well as under the Arctic sea ice in Alaska.



New member of the NI-Lab



In March we welcomed Ammar Hammad as a new member to the Nano Imaging Lab.

Ammar is a student of Computer Sciences and continues the work of Dario Behringer, who developed our administration tool. Ammar will take care of the tool, assist us with problems and will be in charge for updates and changes. We are very happy to have him, since the maintenance of this tool guarantees a proper organisation and administration of our work.

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