

From: [Omara, Yvonne \(MIC\)](#)
To: [MIC_DG_INFO](#)
Subject: Newsletter of the Microscopy Imaging Center of the University of Bern
Date: Friday, 27 August 2021 17:43:34
Attachments: [image003.png](#)
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Dear friend of the Microscopy Imaging Center (MIC)

We are pleased to send the MIC Newsletter August/September 2021. For more information about the MIC and its activities, please check our [website](#) regularly.

News:

Swiss Microscopy Core Facility Day 2021

Date Tue, September 7, 9:00 – 19:00h
Location Biozentrum, University of Basel
Spitalstrasse 41, 4056 Basel

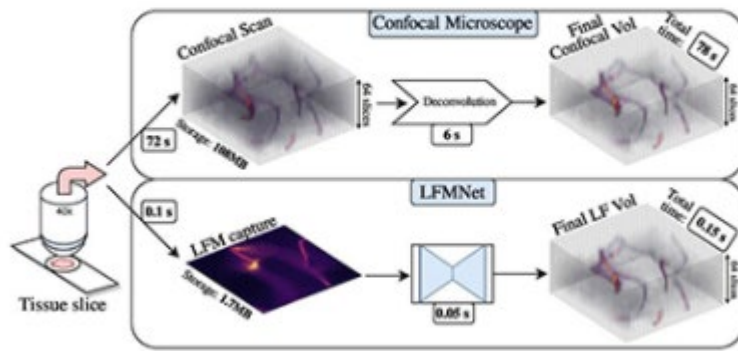
Swiss Microscopy Core Facility Day 2021

Registration is open for the 2021 Swiss Microscopy Core Facility Day at the new Biozentrum in Basel. Register [here](#).



Imaging Mass Cytometry / Mass Cytometry Platform Kickoff Meeting

Registration for the IMC Platform kick off event is now open. Register [here](#).



Congratulations to new publication!

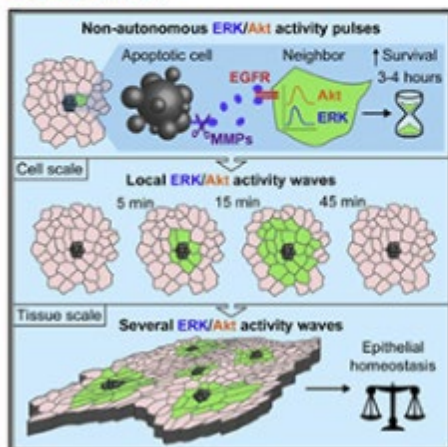
Congratulations to Yury Belyaev, Federico Saltarin, Ruth Lyck and Paolo Favaro from University of Bern and their collaborators to their new publication on "Learning to Reconstruct Confocal Microscopy Stacks From Single Light Field Images" published in IEEE Transactions on Computational Imaging in July 2021. More information [here](#).

Developmental Cell

Article

Collective ERK/Akt activity waves orchestrate epithelial homeostasis by driving apoptosis-induced survival

Graphical abstract



Authors

Paolo Armando Gagliardi, Maciej Dobrzyński, Marc-Antoine Jacques, ..., Robert M. Hughes, Andrew R. Cohen, Olivier Pertz

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In brief

How do epithelia dynamically maintain their integrity in a constantly changing environment? Gagliardi et al. show that apoptotic cells trigger ERK/Akt waves in their neighboring cells inducing survival for 3–4 h. At the cell population scale, this mechanism dynamically protects the epithelium from mild to acute environmental insults.

Exciting publication of Professor Oliver Pertz

We congratulate MIC committee member Oliver Pertz and his team to their exciting new study "Collective ERK/Akt activity waves orchestrate epithelial homeostasis by driving apoptosis-induced survival" published in Developmental Cell in June 2021. More information [here](#).

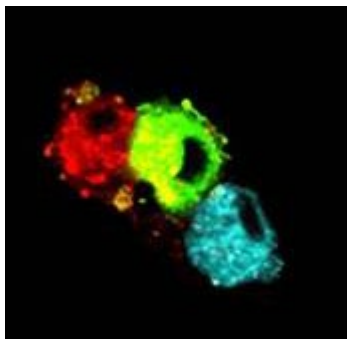
Upcoming Workshops:

LCI fluorescence workshop

“From sample preparation to image processing and analysis”

13 – 15 Sep 2021

ECTS: 1.5



LCI histology workshop

06 – 10 Dec 2021

ECTS: 2.5

Upcoming [MIC / ScITS Trainings:](#)

01 – 03 Sep 2021

MIC training (online) - Fundamentals of confocal microscopy

17 Sep 2021

ScITS Training – Scalable Analytics with Phyton (Dask)

18 & 25 Oct/ 10 Nov 2021

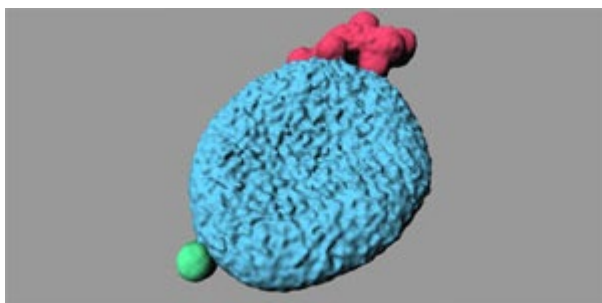
ScITS Training – Introduction to Statistical Data Analysis with Phyton

10/ 17 & 24 Nov 2021

ScITS Training – Introduction to Statistical Data Analysis with Phyton

Upcoming MIC Event:

19 Nov 2021 [MIC Symposium 2021](#) on 3D Electron microscopy



The 2021 MIC Symposium will be dedicated to three-dimensional electron microscopy (EM). In

recent years, a broad range of EM applications in life sciences has seen major advances. New technologies and hardware solutions are driving tremendous developments, notably with respect to the elucidation of three-dimensional structures of macromolecular assemblies. Protein structure determination by single-particle cryo-EM is revolutionising structural biology. Cryo-electron tomography is offering unprecedented views into the macromolecular landscape of cells. Large volume reconstructions by scanning EM visualise tissue organisation in great detail. This year's MIC Symposium programme will offer cutting-edge scientific talks in all these areas to provide a glimpse on the current and future opportunities that EM offers to life sciences.

Registration is [open](#).

Upcoming [events](#) with relevance to microscopy:

16.09.2021

[Workshop Photonics 4 Masterpieces on modern laser technology for competitive fabrication processes](#)

Swissphotonics

05. - 09.10.2021

[Seeing is Believing - Imaging the Molecular Processes of Life](#)

Symposium organized by EMBL Heidelberg, Germany

For further news and information please check our [website](#).

Please accept our apologies for possible cross-postings. If you do not wish to receive this newsletter in the future, please write to info@mic.unibe.ch.

Best regards,
Your MIC Team