

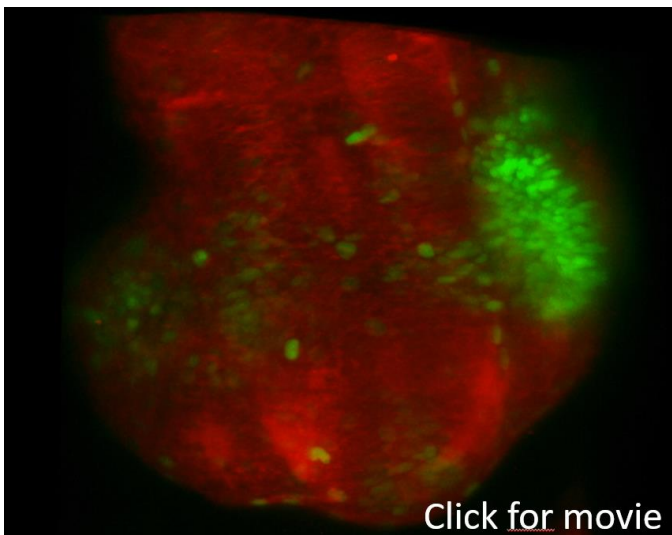
UMIC offers training and access to advanced microscopes and image processing. This newsletter informs users about innovations and events and invites users for feedback.

NEW FUNCTIONALITIES @ UMIC

This year several new microscopic approaches will become available. Today we introduce the Light Sheet Microscopy system.

NOW OPERATIONAL: Leica SP8 Digital Light Sheet

Light sheet microscopy is extremely well suited for fast 3D imaging of multicellular targets like larvae & organoids. A revolution in fast imaging with efficient collection of photons of the emitted fluorophores: Measure development, differentiation, proliferation incredibly fast. *Light sheet microscopy will revolutionize live-cell imaging.*



First local light sheet experiment tracking live cells in zebrafish prime (x, y, z, time, multi-color; Nynke Oosterhof (Paridaen lab)).

STILL 2 USER COMMITTEE (UC) MEMBERS NEEDED!

UMIC is advised by a UC from different departments. Are you knowledgeable in the field of advanced microscopy and interested to join? Please let us know! [Send an email.](#)

MICROSCOPY TRAINING IN YOUR PhD-PROJECT

2 spots left: [Cellular Imaging Advanced](#) (2020-04-13)

ZEISS SCANNER (FLUORESCENCE SLIDES) ON DEMO

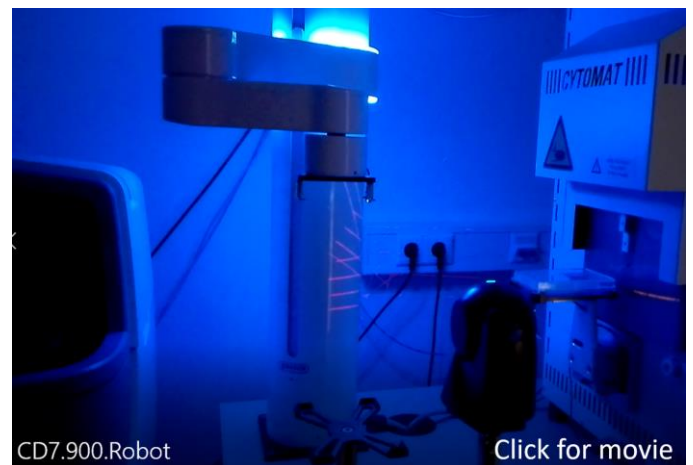
2020-03-12/13 the [Z1](#) will be available for testing

SAMPLE PREP – NEW VIBRATOME INSTALLED

The vibratome has been replaced/ upgraded to a novel Leica system. Feel free to use.

NEXT NEWSLETTER: HIGH CONTENT MICROSCOPY

High content widefield is already available using the Incucyte (see previous newsletter), but capacity for users (with 6 plates max) is limiting. Soon we will have available a confocal time-lapse microscopy for up to 40x 384 well plates for screening assay, robot-assisted. Training of UMIC staff on this unique (=first worldwide) system will be finished in March.



UMIC, 01-02-2020, Installation of the CD7/LSM900

UPCOMING TRAINING & CONFERENCES

2020-05-26 [NWO Life2020](#)

2020-06-09 [ELMI2020 \(Light microscopy/ CLEM\)](#)

2020-08-23 [EMS2020 \(Electron microscopy/ CLEM\)](#)