openScopes Africa

Online workshop

11 April 2024, 13:00 – 1700 (UTC+0)

online: MS Teams *(registration info below)*

openScopes Africa – locally sustainable, accessible microscopy

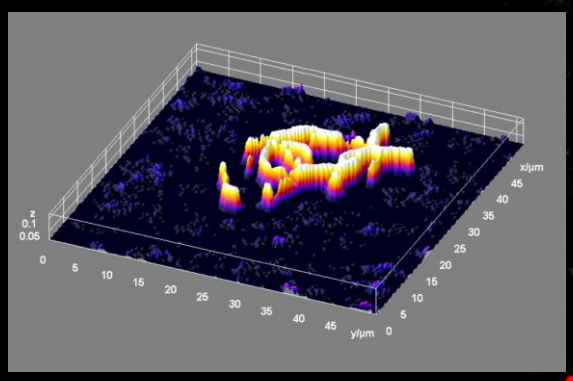
Chan Zuckerberg Initiative

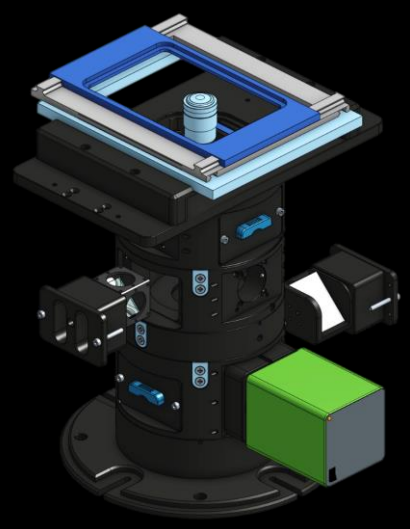
Advancing Imaging Through Collaborative Projects

Learn about *openScopes*:

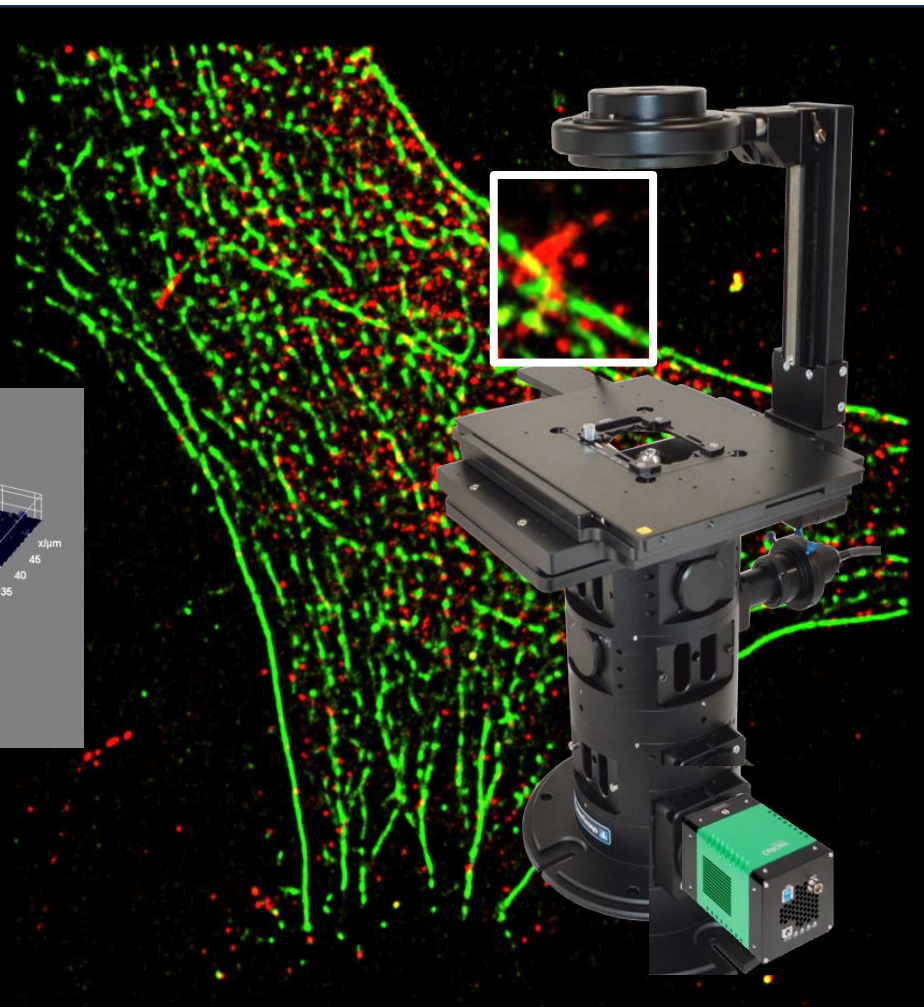
Modular, low-cost, open-source microscopy hardware and software that enables scientists around the world to access advanced imaging techniques to study biology by assembling their own affordable, configurable, locally sustainable and upgradeable research-grade microscopes.

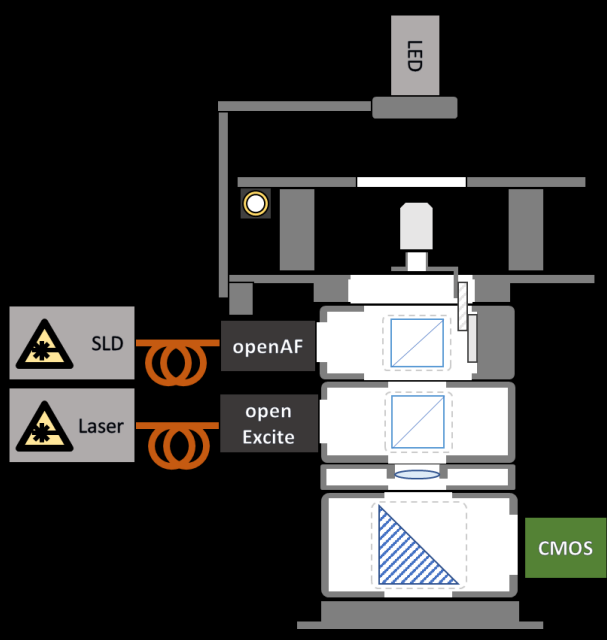
- Epifluorescence,
- TIRF, *easySTORM,*
- Quantitative phase, …





- Research microscopy
- High content analysis
- Pathology
- Training, …





1300 Welcome – Michael Reiche (University of Cape Town)

1305 Introduction to openScopes - Paul French (Imperial College London)
Build, maintain, upgrade – Sunil Kumar (Imperial College London)

1435 A biologist learning to *openScope* – Yasin Razak (University of Cape Town)
Starting with openFrame – Viantha Naidoo (University of Cape Town)

1500 Break

1530 Accessible super-resolved microscopy: implementation of *easySTORM* on *openFrame* at IIT Guwahati – Bosanta Boruah (IIT Guwahati)

1550 *openScopes* in Africa: next steps – Caron Jacobs (University of Cape Town)

1605 CZI vision for global microscopy - Vania Cao, CZI Imaging Community Program Manager

1620 Online panel discussion

Please register by 8 April 2024 by scanning the QR code tor going to
https://forms.gle/KPy431NVuzW38wbi6

For any specific enquiries, please email openScopesAfrica@vula.uct.ac.za

Visit www.openscopes.com for more information on accessible open-source research-grade microscopy

Imperial College London

IDM INSTITUTE OF INFECTIOUS DISEASE AND MOLECULAR MEDICINE

AMI Africa Microscopy Initiative