

Optical microscopy in life science – from basics to state of the art

4th Workshop CYCLON-HIT

May 3-4, 2017

**Wallenberg Conference Centre, University of Gothenburg
Medicinaregatan 20A, Gothenburg, Sweden**



UNIVERSITY OF GOTHENBURG



SkinResQU

CENTRE FOR SKIN RESEARCH AT
UNIVERSITY OF GOTHENBURG &
CHALMERS



STIFTELSEN för STRATEGISK FORSKNING

CCI
National Centre for
Cellular Imaging

Program:
Wednesday May 3

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Open sessions	8.30 – 9.00	Registration and coffee	
	9.00 – 9.15	Welcome and information, Marica Ericson (UGOT) and Julia Fernandez-Rodriguez (CCI, UGOT)	
	9.15 – 10.00	The evolution of optical microscopy – from Hook to Hell, Carolina Tängemo, CCI, UGOT	
	10.00 – 10.15	<i>Coffee break</i>	
	10.15 – 11.00	Complementary optical microscopy techniques (Light sheet, Airy scan, etc) Maria Smedh, CCI, UGOT	
	11.00 – 11.45	Non-linear optical microscopy – from photonic novelty to life-science tool <i>To be announced</i>	
Training network	11.45 – 13.00	<i>Lunch</i>	
	13.00 – 17.00	WS1 - Microscopy Demonstrations and hands on training at CCI (ESR & ERs)	WS2- Grant proposal writing (ESR & ERs)
		Rotation 3 groups (3 people/group) 13.15 – 14.00 14.15 – 15.00 15.15 – 16.00 WS1-1 Multiphoton microscopy WS1-2 Super-resolution microscopy WS1-3 Airy scan	13.00 – 13.45 Inspiration lecture – writing a successful grant proposal, Alexandre Antonelli, UGOT 13.45 – 15.00 Workshop, Marica 15.00 – 15.30 Coffee break 15.30 – 16.30 Workshop, Marica

Program:
Thursday May 4

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Open sessions	8.30 – 10.00	Breaking the diffraction limit - Super-resolution microscopy Ilaria Testa, SciLifeLab, Stockholm	
	10.00 – 10.15	<i>Coffee break</i>	
	10.15 – 11.00	Imaging mass spectrometry in life sciences Per Malmberg, Chalmers	
	11.00 – 11.45	Optical microscopy in anti-microbial discovery – examples from the CyclonHIT network Joana Gouveia, Pasteur Institute, Paris (20 min) Hanna Thomsen, UGOT (20 min)	
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	16.30 – 17.00	Discussion and concluding remarks	