

innovation mixers

1 March 2017

Next Generation Optical Microscopy Initiative: Imaging cellular structure and function beyond the diffraction limit

14:30 Matthias Merkenschlager & Paul French
Introduction & overview

14:50 SRM & FLIM capabilities

Kwasi Kwakwa: *"EasySTORM"*

Ian Munro: *"STORM data analysis on HPC"*

Stina Guldbrand: *"STED with NP"*

Frederik Görlitz: *"SIM LIM"*

Dirk Dorman: *"CSC SRM"*

15:40 CSC aspirations & progress

Sheila Xie: *"STORM of AID"*

Angel L. Jaso Tamame: *"SRM to study meiosis"*

Anne-Celine Kohler: *"Label-free STORM of DNA"*

Alex Sardini: *"FLIM of AMPK FRET sensors
in 2D & 3D cell culture"*

16:20 Tea break

16:40 Application of SRM

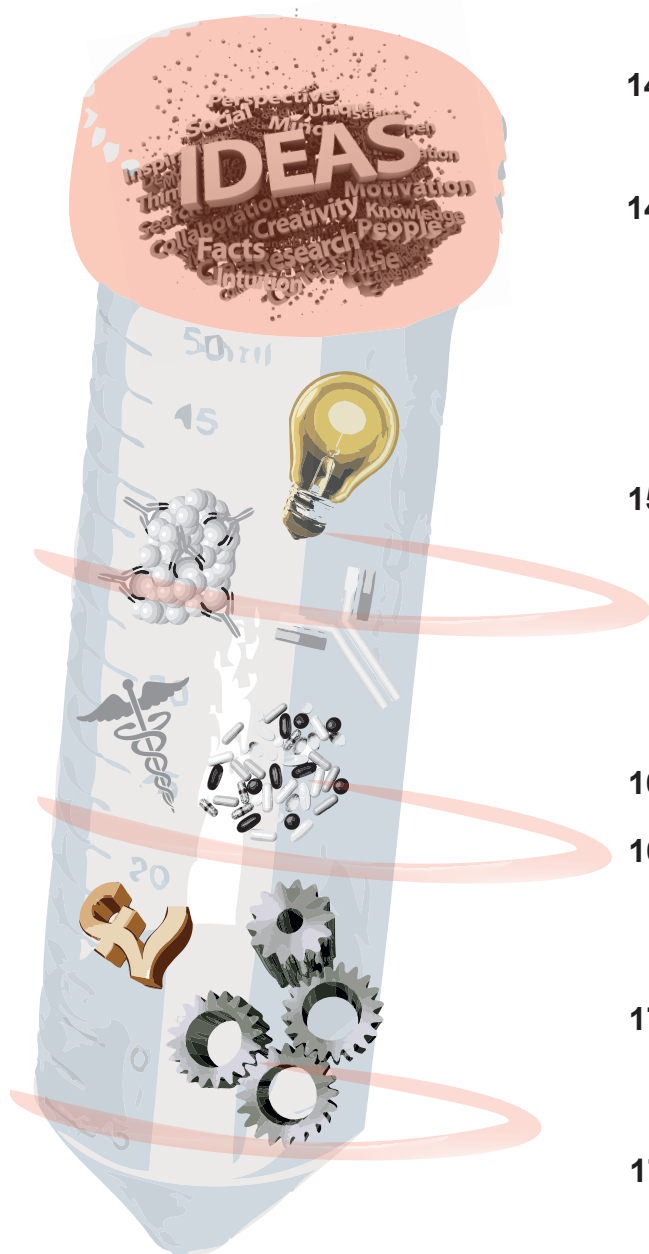
Robert Mahen (Imperial/LMB): *"Super-resolved
microscopy of centrosome dynamics"*

17:00 Application of SRM

Dylan Owen (KCL): *"Statistical analysis of molecular
distributions derived from PALM and STORM data"*

17:30 Discussion and drinks

Future work - probes & priorities



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