

[IT-3. Super-resolution light microscopy and nanoscopy imaging](#)

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

IT-3-P-2060

Sub resolution spectral discrimination of Lipofuscin-granules inside human RPE cells

Presenting author: **Schock F.**

Authors: Schock F., Best G., Celik N., Heintzmann R., Sel S., Birk U., Dithmar S., Cremer C.,

IT-3-P-2190

Super-resolution imaging of 3D-cultured cells by SAX microscopy

Presenting author: **Fujita K.**

Authors: Yonemaru Y., Yamanaka M., Uegaki K., Smith N. I., Kawata S., Fujita K.

IT-3-P-2200

Structured Illumination Microscopy With Multifrequency Patterns and LED Light Sources

Presenting author: **Švindrych Z.**

Authors: Švindrych Z., Křížek P., Ovesný M., Borkovec J., Smirnov E., Raska I., Hagen G. M.

IT-3-P-2211

Flexible Structured Illumination Microscope with a Programmable Illumination Array

Presenting author: **Švindrych Z.**

Authors: Švindrych Z., Křížek P., Ovesný M., Borkovec J., Raška I., Hagen G. M.

IT-3-P-3025

Measurement and simulation of PSF

Presenting author: **Nahlik T.**

Authors: Nahlik T., Stys D.

IT-3-P-3035

Drift Correction Strategies for Single Molecule Localisation Microscopy

Presenting author: **Prakash K.**

Authors: Hagmann M. , Prakash K. , Best G. , Kaufmann R., Birk U. , Cremer C.

IT-3-P-5736

Three-Dimensional Surface Modelling Of Cellular Structures And Intracellular Proteins Expression In Urinary Bladder Cancer Cells.

Presenting author: **Elkablawy M. A.**

Authors: ELKABLAWY M. A.

IT-3-P-5751

Light induced in situ observation technology in EM

Presenting author: **Huang M. R.**

Authors: Huang M. R., Lin C. L., Chen K. F., Liu S. Y., Haung T. W., Tseng F. G., Chen F. R.

IT-3-P-5777

ThunderSTORM: a comprehensive ImageJ plugin for PALM and STORM data analysis and super-resolution imaging

Presenting author: **Křížek P.**

Authors: Křížek P., Ovesný M., Borkovec J., Švindrych Z., Hagen G. M.

IT-3-P-5941

Development of the pump-probe nanoscopy architecture.

Presenting author: **Korobchevskaya K.**

Authors: Korobchevskaya K., Bianchini P., Scotto M., Sheppard C., Diaspro A.

IT-3-P-5986

Inherently coaligned dual color STED microscopy

Presenting author: **Göttfert F.**

Authors: Göttfert F., D'Este E., Lukinavičius G., Hell S. W.