KEMIJSKI INŠTITUT

Vabilo na Forum40 / Invitation to the Forum40

dr. Martin Šala

D04, Department of Analytical Chemistry

Četrtek / Thursday, 13.12.2018 ob / at 13:00

Velika predavalnica Kemijskega inštituta/ Great Lecture Hall, National Institute of Chemistry, Hajdrihova 19, Ljubljana

"Faster, higher, stronger!" the evolution of LA-ICPMS imaging

Over the last several years, elemental imaging by laser ablation inductively coupled plasma mass spectrometry (LA-ICPMS) imaging has advanced enormously, especially due to the introduction of low-dispersion LA cells. This has led to faster (analysis time), higher (image quality), and stronger (multiple elements) imaging. Furthermore, novel calibration strategies based on custom-prepared matrix-matched standards have resulted in high-accuracy data for imaging of biological tissues. Since so many instrumental parameters influence the final image quality, procedures have been developed to estimate the optimal parameters for best image quality prior to actual imaging.

Vljudno vabljeni / Kindly invited