

# MICROSPHERE ASSISTED RAMAN SPECTROSCOPY

**Chair:** Paolo FRANCESCHINI, Università Cattolica del Sacro Cuore, KU Leuven

**Speaker:** Iuliia RUZANKINA, Università Cattolica del Sacro Cuore, KU Leuven

**Abstract:**

Dielectric microspheres can focus light generating a narrow light beam, known as 'photonic nanojet'. In this (small) volume the electric field is increased by orders of magnitude and consequently the Raman scattering is greatly enhanced. In this talk I will demonstrate how to use the microsphere-assisted microscopy as a signal/contrast enhancer for Raman spectroscopy. These results bear promising perspectives on the possibility of improving the spatial resolution of Raman spectroscopy.

## Webinar

**Mercoledì 17 febbraio 2021, ore 16.30**

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