24th Australian Institute of Physics Congress



Contribution ID: 70

Type: Talk (preferred)

Spatial reorganization of F-actin in respiratory cells as measured by Brillouin microscopy

Wednesday 14 December 2022 15:00 (15 minutes)

Brillouin microscopy has emerged as a non-invasive and label-free technique to map micro-mechanical properties of cells. Here we apply Brillouin microscopy to probe reorganization of F-actin network in respiratory cells treated with Timothy grass pollen protein extracts.

Author: KABAKOVA, Irina (University of Technology Sydney)

Co-authors: Dr MAHMODI, Hadi (University of Technology Sydney); Dr BRADBURY, Peta (Respiratory Technology, Woolcock Institute of Medical Research, Glebe, Australia); Dr CIDEM, Aylin (Respiratory Technology, Woolcock Institute of Medical Research, Glebe, Australia); Prof. ONG, Hui (Macquarie Medical School, Faculty of Medicine, Health and Human Sciences, Macquarie University, Australia.); Prof. TRAINI, Daniela (Respiratory Technology, Woolcock Institute of Medical Research, Glebe, Australia)

Presenter: KABAKOVA, Irina (University of Technology Sydney)

Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Microscopy, spectroscopy and imaging