Research Group
Experimental Biophotonics
would like to invite you to the seminar:

CEITEC
BRNO UNIVERSITY OF TECHNOLOGY

System for personalised cancer treatment "DANTE" (Dynamic Analysis for Neoplasia Treatment with Explants) with novel dynamic morphometric parameters as biomarkers

DELIVERED BY

Ing. Daniel Zicha, CSc.

CEITEC Brno University of Technology, Experimental Biophotonics

• Cancer treatment can be improved by personalised pre-testing of drugs aimed not only at growth inhibition but also abrogation of cell motility. Such pre-testing can be efficiently achieved by quantitative phase imaging of individual tissue culture cells or cell clusters freshly derived from patient biopsy. Quantitative phase imaging, such as Incoherent Holographic Quantitative Phase Imaging, is a label free light microscopy technique revealing, accurately and rapidly, growth (dry-mass increase) and motility (translocation/protrusion/ retraction) of cells in vitro. Its application led us establish novel cancer biomarkers.

WEDNESDAY
START 14:10

05/02/2020

seminar room A4/501
FSI BUT, Technická 2, Brno

EUROPEAN UNION
European Structural and Investment Funds
Operational Programme Research, Development and Education

MINISTRY OF EDUCATION, YOUTH AND SPORTS