

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



# Novel image processing system Cell Motility Profiler (CMP) in Dynamic Analysis for Neoplasia Treatment with Explants (DANTE) applied to live-cell Holographic Incoherent Quantitative Phase Imaging (hiQPI)

DELIVERED BY

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- DANTE is complementing standard histopathology with in vitro pre-testing of chemotherapeutic drugs using live cells derived from biopsy thus achieving personalised cancer treatment.
- hiQPI is uniquely suitable for the task with ultimate accuracy of determining dynamic distribution of dry-mass inside cells thus allowing rapid measurements of their growth and motility.
- CMP with novel image processing procedures is required to reveal statistical differences for hiQPI and live biopsy cells from patients.

**TUESDAY START 15:00**

**18/06/2019**

Seminar room **S2.02**,  
building S,  
CEITEC BUT, Purkynova 123



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