

# Virtual Meeting on "Advanced functional Imaging"

13 September 2021

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- 11:00-11:05 **Wellcome**  
*Vasso Kostourou, BSRC Fleming, Athens, Greece*
- 11:05-11:30 **Reaching Nanoscale Imaging**  
*Nikolaos Giakoumakis, IRB Barcelona, Spain*
- 11:30-12:00 **Imaging in cancer biology: from pathways to drugs**  
*Zoi Lygerou, Medical School, Univ. of Patras, Greece*
- 12:00-12:15 **break**
- 12:15-13:00 **Not just a pretty image: Improving quantitative data from fluorescence microscopy images.**  
*Stamatis Pagakis, BRFAA, Athens, Greece*
- 13:00-13:30 **Open technologies for Super-Resolution and Machine Learning in BioImaging**  
*Ricardo Henriques, Instituto Gulbenkian, Portugal & UCL-Crick Institute, London, UK*
- 13:30-14:30 **break**
- 14:30-15:00 **BioImaging approaches to decipher mechanotransduction in Drosophila muscle attachment sites *in vivo*.**  
*Demosthenis Mitrossilis, BRFAA, Athens, Greece*
- 15:00-15:30 **Metabolism under the microscope lens. More than meets the eye**  
*Panagiotis Handris, BSRC Al. Fleming, Athens, Greece*
- 15:30-15:45 **break**
- 15:45-16:15 ***In vivo* imaging of brain inflammation**  
*Dimitra Thomaidou, Hellenic Pasteur Institute, Athens, Greece*
- 16:15-16:45 **Novel photonics for shedding light through complex biological systems**  
*Giannis Zacharakis, IESL, FORTH, Crete, Greece*
- 16:45-17:00 **break**
- 17:00- 17:45 **FLIM-FRET imaging of drug-target binding in tumor cells at multiscale**  
*Margarida Barroso, Albany Medical School, NY, USA*
- 17:45-18:15 **Monitoring ageing-associated structural alterations in muscle cells via polarization-dependent second-harmonic generation**  
*Nektarios Tavernarakis, FORTH & Medical School, Univ.of Crete, Greece*
- 18:15-18:30 **Closing Remarks**