

2017 UPV HOSTING OFFER FOR “MSCA IF” RESEARCHERS

PANEL 8. PHYSICS (PHY)

1. [Novel optoelectronic devices based on silicon CMOS technologies](#)
2. [New applications of THz waves](#)
3. [Dynamic Biomarkers based on Multiparametric Tissue Signatures for the follow-up and response to treatment assessment of patients with glioblastoma or prostate cancer](#)
4. [Development of nanophotonic sensors for medical and environmental applications](#)
5. [Plasmomechanical devices: boosting cavity optomechanics via surface plasmons](#)
6. [ABO₃ and A₂X₃ compounds at extreme conditions of pressure and temperature](#)
7. [New developments on PET detectors with high performance capabilities, especially focussed on sub 300 ps timing resolution.](#)
8. [Development of low modulus titanium alloys by powder metallurgy for biomedical applications](#)
9. [Acceleration of protons and ions by highly intense laser pulses](#)
10. [Acoustic wave propagation in complex systems](#)
11. [Cardiac Regeneration Medicine](#)
12. [Development of fibre optic sensors for novel applications: ranging from medical to aerospace applications.](#)
13. [Synthesis and Electrochemistry characterization of protonic exchange membranes for energy application: PEMFC, DMFC, batteries and supercapacitors.](#)