

POSTERS (THURSDAY APRIL 5-2018)

| Number | Presentation No. | Name | Abstract title |
|--------|------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | P2 | Andresen, Elina | Functionalisation studies of UCNPs for pH-sensing |
| 2 | P3 | Andrés-Olmos, Lorena | Virtues of sulfonic acid-functionalised polymers as capping of upconversion nanoparticles |
| 3 | P6 | Bek, Alpan | A new enhancement mechanism for nonlinear raman conversion in molecule coupled metal nanoparticles via fano resonances |
| 4 | P8 | Bouchet, Aude | Multispectral time-resolved single particle spectroscopy of ultra-small upconverting nanoparticles |
| 5 | P10 | Cauchois, Olivier | Development of a new state of the art in-vitro diagnostics Point-of-Care platform |
| 6 | P12 | Cuaran-Acosta, Daniel | Effect of the addition of rare earths on the emission of gold nanoclusters |
| 7 | P14 | Dramićanin, Miroslav D. | Color-tunable upconversion and downshifting emissions of YOF: Ln ³⁺ /Yb ³⁺ nanophosphors |
| 8 | P16 | Ferrera González, Juan | Cucurbituril-coated core and core-shell upconversion nanoparticles |
| 9 | P18 | Gonzalez-Carrero, Soranyel | Highly ordered assembly of upconversion and perovskite nanoparticles |
| 10 | P20 | Graf, Christina | Silica Coating strategies and toxicity of silica coated upconversion nanoparticles |
| 11 | P22 | Grzyb, Tomasz | Formation mechanism, structural and upconversion properties of M ₂ REF ₇ alkaline - rare earth fluoride nanocrystals doped with Yb ³⁺ /Er ³⁺ ions |
| 12 | P24 | Homann, Christian | Core/shell upconversion particles with core sizes ranging from 6 nm to 30 nm |
| 13 | P26 | Julián-López, Beatriz | Thermally regulated, reversible, near-infrared sensitive hybrid soft material |
| 14 | P28 | Kostiv, Uliana | Colloidally stable ¹²⁵ I-labeled upconversion nanoparticles for multimodal in vitro and in vivo tissue imaging |
| 15 | P30 | Kowalik, Przemysław | Inorganic ROS-generating upconverting and superparamagnetic nanoparticles for biomedical applications |
| 16 | P32 | Laurenti, Marco | Graphene oxide chemical composition affects the luminescence quenching of upconverting nanoparticles |
| 17 | P34 | Liu, Jing | Simultaneous Excited Downshifting/upconversion Luminescence for Multi-mode Anti-Counterfeiting |
| 18 | P36 | Lyapin, Andrey | Upconversion luminescence of fluoride materials upon excitation by lasers at near NIR wavelengths |
| 19 | P38 | Märkl, Susanne | Synthesis and Surface Engineering of Biocompatible Upconversion Nanoparticles for Theranostic Applications |
| 20 | P40 | Mendez-Gonzalez, Diego | Ultrasensitive DNA detection by photochemical ligation reactions coupled to upconverting nanoparticles |
| 21 | P42 | Mikalauskaitė, Ieva | Doping Cr ³⁺ ions into NaGdF ₄ as possible luminescence enhancer |
| 22 | P44 | Mousavi, Monirehalsadat | Measurement of beam-profile-compensated quantum yield of upconverting nanoparticles |

| | | | |
|-----------|-----|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23 | P46 | Pem, Barbara | Assessing interferences of upconverting nanoparticles with in vitro toxicity assays |
| 24 | P48 | Pocoví-Martínez, Salvador | Effect of Silica-coated Upconversion Nanoparticles on the Photophysical Behaviour of Methylene Blue |
| 25 | P50 | Prorok Katarzyna | Synthesis and properties of silica microspheres encapsulating fluorescent nanoparticles |
| 26 | P52 | Rolla, Lorenzo | Photoswitching of a Donor-Acceptor Stenhouse Adduct (DASA) using Upconverting Nanoparticles |
| 27 | P53 | Rosa-Pardo, Ignacio | Nanohybrid of magnetic-upconversion nanoparticles integrated into m-silica as candidate for pdt |
| 28 | P56 | Schäferling, Michael | Effects of Solvent and Excitation Power on Ratiometric Upconversion Luminescence Based Temperature Sensing Using NaYF ₄ :Yb ³⁺ ,Er ³⁺ |
| 29 | P58 | Skripka, Artiom | The same, only different - wavelength dependent functional excitation of rare earth nanoparticles |
| 30 | P60 | Tegze, Borbála | TiO ₂ sol-gel coatings modified with upconverting nanoparticles |
| 31 | P62 | Tymiński, Artur | Hunting on white up-conversion luminescence in Yb ³⁺ , Er ³⁺ and Tm ³⁺ doped ypo4 nanomaterials |
| 32 | P64 | Wysocka, Edyta | Acidification-dependent cytotoxicity of bare NaGdF ₄ -based nanoparticles |
| 33 | P66 | Zajdel, Karolina | Visualization of interaction between up-converting nanoparticles and living cells with particular emphasis on their cytotoxicity |
| 34 | P68 | Zolotarjovs, Aleksejs | Up-converting nanoparticle agglomeration impact on luminescence |
| 35 | P70 | Kaminska, Izabela | Multifunctional nanoconstructs with up-converting and magnetic properties – toward theranostic applications |