

# Thursday's NanoSpin-off

## TALKS

January 27<sup>th</sup>, 17h

ONLINE by ZOOM and  
PRESENTIAL (Sala de Grados.  
Facultad de Ciencias)

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Cátedra **SAMCA**  
de Nanotecnología  
Universidad Zaragoza



**INMA**  
INSTITUTO DE NANOCIENCIA  
Y MATERIALES DE ARAGÓN



Universidad  
Zaragoza

TALK

## Fotoglass where life and light meet

SPEAKERS



**Fernando Moreno**

Asesor científico en Fotoglass.  
Catedrático de la Universidad de  
Cantabria.



**José Luis Fernández**

Asesor científico en Fotoglass.  
Coordinador del Servicio de  
Genética en HUMV



**Francisco González**

Asesor científico en Fotoglass.  
Catedrático de la Universidad de  
Cantabria.

PRESENTER

**Dra. María Bernechea**

Researcher – ARAID Foundation. INMA (CSIC-Universidad de Zaragoza).

Fotoglass is a bio-optical company whose starting point was the synergy between the Optics group of the Universidad de Cantabria and a large company specialising in decorative mosaics. Its main objective is the solution of problems of different nature through the use of light. It began by developing photoluminescence projects in glass mosaics, continued with colourimetry studies for the ageing of wood or, for example, developing intelligent textiles that, thanks to microparticles, have long-lasting phosphorescence properties in the absence of light stimulus. Thanks to the incorporation of a biomedical research group from the Hospital Universitario Marqués de Valdecilla, the company is starting to develop nanoplasmonic biosensors for the differentiation of tumour tissue vs. non-tumor tissue, specifically in glioblastoma, a type of brain tumour. Fotoglass demonstrates how companies can evolve, change and improve by integrating personnel with a diverse background of knowledge, achieving a multidisciplinary group that contributes new ideas.