

Thursday's NanoSpin-off

TALKS

May 29th, 11,30h

ONLINE by ZOOM and PRESENTIAL
(Conferences Room. I+D Buildin)

Zoom



INMA
INSTITUTO DE NANOCIENCIA
Y MATERIALES DE ARAGÓN



Cátedra **SAMCA**
de Nanotecnología
Universidad Zaragoza



TALK

"Futurechromes: Smart Nanomaterials for Visual Comfort and Energy-Savings"



SPEAKER

Dr. Claudio Roscini

Senior researcher at the Catalan Institute of Nanoscience and Nanotechnology (ICN2), CTO of Futurechromes, CSO Distinkt

PRESENTER

Dra. María Cristina Momblona Rincón

Investigadora Ramón y Cajal. Instituto de Nanociencia y Materiales de Aragón (INMA) - (CSIC-Universidad de Zaragoza)

Futurechromes is a spinoff company co-founded by researchers from the Catalan Institute of Nanoscience and Nanotechnology and CSIC, aiming to exploit and commercialize advanced nanotechnology-based photochromic films and coatings for several different applications. These innovative materials self-regulate visible light transmittance as response to the solar (or UV) light intensity, effectively functioning as photoprotective coatings.

Thanks to their very short response time and enhanced photostability – achieved through the developed nanoencapsulation strategy - these materials are very attractive for improving the visual comfort of users of glasses, visors, and other eyewear products. Even more, they have positive impact in the reduction of buildings energy consumption and associated CO2 emissions when integrated in smart windows, as they allow for better maintenance of also thermal comfort, by reducing the need of cooling and lightening systems.

In this talk I will share the roller coaster journey that the company and its team has undertaken and is still carrying on to overcome the several challenges met on the way to transform what was just a laboratory proof-of-concept into viable and market-ready products.



**Universidad
Zaragoza**