

Prof. Laura M. Lechuga is Full Professor at the Spanish National Research Council (CSIC) and Head of the Nanobiosensors and Bioanalytical Applications Group at the Catalan Institute of Nanoscience and Nanotechnology (ICN2) in Barcelona (Spain).

The principal focus of her research is the development of **novel nanobiosensor devices** based on nanoplasmonics and silicon-based photonics principles for **point-of-care diagnostics**. Prof. Lechuga is a world reference in the **Photonic Biosensor** area, making key contributions and opening new horizons in this field. Her activities have encompassed from fundamental research to the technological operation of complete sensing platforms, including the technological transfer into products of social applicability. She has published over **300 publications** (articles, book chapters and proceedings), has **8 families of patents**, and has presented her work in more than **430 invited talks**. She has co-founded **two spin-off companies**.

The quality of her research has been recognised by prestigious prizes and awards, as the **Spanish National Research Prize** in 2020, the **King Jaime I award** in New Technologies in 2020, the **Ada Byron 2020 Prize**, the **Physics, Innovation and Technology Prize** from the Spanish Royal Physics Society (RSEF) and BBVA Foundation (2016), the **XVIII Burdinola Research award** in 2021, the **2021 Medal of the International Foundation Olof Palme** and the **Doctor Honoris Causa** awarded by the University of Cádiz, among others.

From April 2020 to September 2021, she belonged to the **Expert Scientific Panel** advising the Ministry of Science and Innovation and the Spanish Government in the management of the **COVID-19 pandemic**.