

**BECAS DE COLABORACIÓN – JAE INTRO 2020  
EN CENTROS DE EXCELENCIA SEVERO OCHOA – CSIC**

**TÍTULO DEL PROYECTO:**

**A nanoscale study of the stability of organic photoactive materials for energy-related applications**

**IP:**

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**RESUMEN DE LA PROPUESTA:  
(Máximo 500 caracteres)**

Polymers and small organic molecules are successfully employed as organic semiconductors (OSCs) for the next-generation photovoltaic technology. They are also considered promising photocatalytic systems with potential application in solar water splitting. The goal of this experimental work is to perform a nanoscale characterization of the organic photoactive films by advanced scanning probe microscopy with particular focus on the effect that water has on the interface morphology and functionality.