

DOCTORAL THESES OFFICIAL PROGRAMME NANOSCIENCE AND NANOTECHNOLOGY

Title: [Sensors based on carbon nanotube field-effect transistors and molecular recognition approaches](#)

PhD Student: Cristina C. Cid Salavert

Supervisor: F. Xavier Rius, Jordi Riu

University: Universitat Rovira i Virgili

Year: 2009

Title: [Detección de compuestos xenobióticos mediante transistores de efecto campo basados en nanotubos de carbono](#)

PhD Student: Zayda Constanza Sánchez Acevedo

Supervisor: F. Xavier Rius, Jordi Riu

University: Universitat Rovira i Virgili

Year: 2009

Title: [Biosensors based on carbon nanotube field effect transistors \(CNTFETs\) for detecting pathogenic microorganisms](#)

PhD Student: Raquel Amanda Villamizar Gallardo

Supervisor: F. Xavier Rius

University: Universitat Rovira i Virgili

Year: 2009, European Distinction

Title: [Solid Contact Ion Selective Electrodes Based on Carbon Nanotubes](#)

PhD Student: Gastón Adrián Crespo Paravano

Supervisor: F. Xavier Rius

University: Universitat Rovira i Virgili

Year: 2010, European Distinction

Title: [Ruthenium polypyridyl complexes as photosensitizers for molecular photovoltaic devices: Influence of the dye structure and the presence of additives to the device performance](#)

PhD Student: Anna Reynal Verdú

Supervisor: Emilio Palomares

University: Universitat Rovira i Virgili

Year: 2010, European Distinction

Title: [Design and Synthesis of Organic Sensitizers for Dye Solar Cells: Molecular Structure vs Device Performance](#)

PhD Student: Miquel Planells Dillundé

Supervisor: Emilio Palomares

University: Universitat Rovira i Virgili

Year: 2010, European Distinction

Title: Interfacial Charge Recombination Dynamics and the role of the morphology in Organic Solar Cells

PhD Student: Antonio Sánchez Díaz

Supervisor: Emilio Palomares

University: Universitat Rovira i Virgili

Year: 2011, European Distinction