

PhD Thesis Awards

Fundamental research



William LEGRAND

Unité Mixte de Physique CNRS/ Thales

Paris Sud / Paris Saclay University

Crafting magnetic skyrmions at room temperature : size, stability and dynamics in multilayers

PhD thesis director: Vincent CROS (CNRS)

PhD thesis supervisor: Nicolas REYREN (CNRS)



Ida LUCCI

FOTON Laboratory (CNRS, INSA Rennes, Univ. Rennes 1)

IPR Laboratory (CNRS, Univ. Rennes 1)

INSA Rennes

Surface and interface contributions to III-V/Si hetero-epitaxial growth: Theory and Experiments

PhD thesis director: Charles CORNET (INSA Rennes)

PhD thesis supervisors: Laurent PEDESSEAU (INSA Rennes) & Pascal TURBAN (Univ. Rennes)



Benjamin VERLHAC

IPCMS Laboratory (CNRS, Univ. Strasbourg)

University of Strasbourg

Atomic-scale spin-sensing with a single molecule at the apex of a scanning tunnelling microscope

PhD thesis director: Laurent LIMOT (CNRS)

Applied research



Claire DAZON

MADIREL Laboratory (CNRS, Univ. Aix-Marseille)

Aix-Marseille University

Workplace exposure to nanomaterials during powder handling: Relationships between powder properties and airborne particle characteristics

PhD thesis director: Philip LLEWELLYN (CNRS)

PhD thesis supervisor: Olivier WITSCHGER (INRS)

Interdisciplinary research



Noémie DANNÉ

LP2N Laboratory (CNRS, IOGS, Univ. Bordeaux)

University of Bordeaux

Single carbon nanotubes tracking to measure the rheological properties of complex environments: application in neuroscience

PhD thesis director: Laurent COGET (CNRS)



Bertille MARTINEZ

INSP Laboratory (CNRS, Univ. Sorbonne)

Sorbonne University

Electronic properties of narrow band gap colloidal nanocrystals : application to infrared nanocrystals

PhD thesis director: Emmanuelle LACAZE (CNRS)

PhD thesis supervisor: Emmanuel LHUILLIER (CNRS)

Nanomedicine research



Alexandre BORDAT

IGPS Laboratory (CNRS, Univ. Paris-Sud / Paris Saclay)

Paris Sud / Paris Saclay University

Alternative strategies for the delivery of anticancer drugs by physical encapsulation in thermoresponsive polymer nanoparticles or chemical coupling as polymer prodrugs

PhD thesis director: Nicolas TSAPIS (CNRS)

PhD thesis supervisor: Julien NICOLAS (CNRS)

C'Nano - SFNano



Max PIFFOUX

MSC Laboratory (CNRS, Univ. of Paris)

University of Paris

Physical and interdisciplinary approaches of the extracellular vesicle field : new tools and techniques toward clinical translation in regenerative medicine and drug delivery

PhD thesis director: Amanda SILVA BRUN (CNRS)

PhD thesis supervisor: Florence GAZEAU (CNRS)