

Fundamental research



Dorian BOUCHET

Langevin Institute
PSL Univ.

Plasmon-mediated energy transfer and super-resolution imaging in the near field of nanostructured materials

PhD thesis director: Yannick DE WILDE

PhD supervisor: Valentina KRACHMALNICOFF



Jérémy RIO

IMN Laboratory
Nantes Univ.

Ab initio modeling of Cycloparaphenylenes at atomic scale

PhD thesis director: Christopher EWELS

Interdisciplinary research



Jan-Patrick Dela Cruz CALUPITAN

CEMES Laboratory
Toulouse Univ.

Highly sensitive terarylenes: Synthesis, switching, and scanning tunneling microscopy studies

PhD thesis director: Gwénaél RAPENNE



Jeanne VOLATRON

MSC Laboratory
Paris Diderot Univ.

Long term fate of inorganic nanoparticles : biotransformation and biodegradation

PhD thesis director: Florence GAZEAU

PhD supervisor: Gaëlle CHARRON & Damien ALLOYEAU

Applied research



Thomas BOTTEIN

IM2NP Laboratory
Aix Marseille Univ.

Synergetic combination of top-down and bottom-up lithography processes for large scale nanostructures applied to photonics

PhD thesis director: David GROSSO

PhD supervisor: Luc FAVRE



Sarah DELSHALDI

IAB G2ELab Laboratory
Grenoble Alpes Univ.

Immunoassays exploiting superparamagnetic nanoparticles and structured micro-magnets

PhD thesis director: Patrice MARCHE & Orphée CUGAT