

Two Predoctoral Positions at the Modelling Group (PI: Fernando Martín).

Two predoctoral positions are available at the [group of Prof. Fernando Martín](#) at IMDEA Nanociencia, Madrid. The positions (1+2 years each) will be fully funded under the project FULMATEN-CM (Ref: Y2018/NMT-5028, funded by the Programmes of R&D Activities of Comunidad de Madrid). The Project aims at using attosecond and few-femtosecond laser pulses for real time imaging of charge transfer processes occurring in organic molecules and eventually control them. Salary depending on experience or commensurate for a predoctoral fellow in Spain.

The candidates must hold a BSc in Chemistry, Physical Chemistry, or a closely related subject (MSc will be positively evaluated), as well as show an excellence knowledge of quantum mechanics, basic electrodynamics, basic atomic, molecular and optical physics, scattering theory, and/or numerical methods. We will value positively enthusiasm for learning and commitment to teamwork as well as any additional skills in the areas of mathematics, physics, chemistry and computing science (e.g. acquaintance with quantum chemistry packages to model excited states; participation in software projects; competences in photoelectron spectroscopies or attosecond physics).

The successful candidate will carry out theoretical models of charge transfer processes in systems of interest for the design of new materials.

Applications, including a letter of motivation and future research interests, a CV and list of publications, contact information for two references, copy of BSc and/or MSc certificates, and any additional information that can support the application should be directed by email to fulmaten-cm@imdea.org before March 3rd, 2019, with the reference "FULMATEN-IMDEA2" in the issue.



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