



NanoRAM is a 4 year Doctoral Network (DN) under the HORIZON-TMA-MSCA-DN action. NanoRAM brings together people and organisations from across the world to train a new generation of scientists in the development and application of newly developed manipulation and characterisation nanotools in soft matter research.



3 year graduate student MSCA fellowship at the Advanced force microscopy laboratory (Garcia's group, CSIC) <https://wp.icmm.csic.es/forcetool/>

The objective of the PhD project is to develop an advanced high-speed AFM method for mechanical property mapping at the nanoscale. The goal is to characterize in real-time processes and interactions of soft matter in their native condition.

Soft matter involves a wide variety of materials ranging from polymer blends, biomolecules and live cells. The results of the project will have implications in different societal challenges such as energy storage, sustainability and health. The project will involve AFM methods, artificial intelligence, instrumentation and materials preparation.

Starting date: Fall 2024

Applications: Send CV and academic records (subject: application NanoRAM) before June 30th: multifrequency_afm@icmm.csic.es

Graduate studies: Physics, Chemistry or Engineering (mechanical, materials or related).



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