



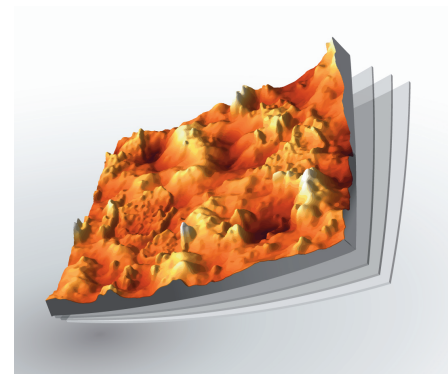
Area of Impact: Materials for new technologies

Specialty: Nanotechnology

The main goal of our Millennium team in Multifunctional Materials for Applied Surface Science -MultiMat- is to nucleate a center of excellence in the field of nanostructured surface systems (NSS) with expertise in their modelling, growth and characterization, with primary research focus on lithium-ion batteries (LiB), a topic with a strong impact in energy and environment in Chile and worldwide relevance.

The phenomena occurring in LiB are complex and require the transdisciplinary efforts of many skilled scientist. This is the case of the MultiMat team with expertise in the growth, characterization and modeling of NSS systems.

Considering that NSS and LiB are high-cost research fields and advanced experimental facilities are mainly centralized in Santiago, the MultiMat alliance will allow sharing lab capabilities among scientists both located in Santiago and Regions, narrowing the infrastructure gap existing in our Country for the development of Nanotechnology.



MAIN ACHIEVEMENTS

This Millennium Nucleus was recently awarded.
Soon we will highlight the achievements obtained by its researchers.

CONTACT INFORMATION

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Judit Lisoni



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MILLENNIUM NUCLEUS
MULTIMAT
MULTIFUNCTIONAL MATERIALS FOR
APPLIED SURFACE SCIENCE

MILLENNIUM NUCLEUS OF NATURAL SCIENCES

MILLENNIUM NUCLEUS MULTIFUNCTIONAL MATERIALS FOR APPLIED SURFACE SCIENCE - MULTIMAT



RESEARCHERS

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RESEARCH TOPICS

- NSS fabrication methodologies.
- Model systems for NSS.
- NSS for LiB.
- Modeling NSS behavior.

NOTED OUTREACH ACTIVITIES

- Judit Lisoni's talk in Nerd Nite. (2017)
- Intervention of Judit Lisoni in Universidad de Chile (Santiago) and UACH (Valdivia) radio stations. (2017)

ACTIVE MILLENNIUM NUCLEUS CENTER

From 2017 to 2020

The Millennium Nucleus Centers can be renewed after 3 years, reaching a maximum of 6 years.



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