

## Química Física

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### Áreas de conocimiento:

**Director:** Irene Luque Fernández

**Secretario:** Beatriz Ibarra Molero

**Página web:** <http://quimicafisica.ugr.es>

**Profesorado:** CU: 5, PTU: 10, PDI Contratado y Otros: 11

### Tesis leídas

- Caracterización Termodinámica Y Estructural De Inhibidores Proteicos del VIH-1 dirigidos contra GP41

Doctorando: Samuel Jurado Urdiales

Director: Francisco Conejero Lara, Bertrand Morel

Fecha de lectura: 10/02/2020

### Grupos de Investigación.

FQM171 BIOFISICA Y BIOTECNOLOGIA MOLECULAR

- Responsable: PEDRO LUIS MATEO ALARCON

BIO223 BIOMOLECULAS

- Responsable: JOSE MANUEL SANCHEZ RUIZ

BIO189 FISICOQUIMICA FARMACEUTICA

- Responsable: BARTOLOME QUINTERO OSSO

FQM361 QUÍMICA FÍSICA BIOMOLECULAR

- Responsable: ANTONIO PARODY MORREALE

### Publicaciones en revistas

- 2019 Artículo: Insight into the specificity and severity of pathogenic mechanisms associated with missense mutations through experimental and structural perturbation analyses, Human Molecular Genetics, 28, 1, 1-15

ANGEL LUIS PEY RODRÍGUEZ

ENCARNACIÓN MEDINA CARMONA

NOEL MESA TORRES

- 2019 Artículo: Structural and functional insights on the roles of molecular chaperones in the mistargeting and aggregation phenotypes associated with primary hyperoxaluria type I. , Advances in Protein Chemistry and Structural Biology, 114, , 119-152

ANGEL LUIS PEY RODRÍGUEZ

NOEL MESA TORRES

- 2019 Artículo: Protein conservation method affects MamC-mediated biomineralization of magnetic nanoparticles, Crystal Growth & Design, 19, , 1064-1071

ANA ISABEL AZUAGA FORTES

SALVADOR CASARES ATIENZA

- 2019 Artículo: Phosphorylation compromises FAD binding and intracellular stability of wild-type and cancer-associated NQO1: Insights into flavo-proteome stability, International Journal of Biological Macromolecules, 125, , 1275-1288

ANGEL LUIS PEY RODRÍGUEZ

ENCARNACIÓN MEDINA CARMONA

NOEL MESA TORRES

- 2019 Artículo: New polyamine drugs as more effective antichagas agents than benznidazole in both the acute and chronic phases, European Journal of Medicinal Chemistry, 164, , 27-46

ENCARNACIÓN MEDINA CARMONA

- 2019 Artículo: The p12 subunit of human polymerase  $\zeta$  uses an atypical PIP-box for molecular recognition of proliferating cell nuclear antigen (PCNA), Journal of Biological Chemistry, , , -

IRENE LUQUE FERNÁNDEZ

JAVIER MURCIANO CALLES

- 2019 Artículo: Synthesis and biological evaluation of new long-chain squaramides as antichagasic agents in the BALB/c mouse model, Bioorganic & Medicinal Chemistry, 27, , 865-879

ENCARNACIÓN MEDINA CARMONA

- 2019 Artículo: Structure-Function of MamC loop and its effect on the In Vitro Precipitation of Biomimetic Magnetite Nanoparticles, Crystal Growth & Design, 19, 5, 2927-2935

ANA ISABEL AZUAGA FORTES

SALVADOR CASARES ATIENZA

- 2019 Artículo: Conformational changes in the third PDZ domain of the neuronal postsynaptic density protein 95, Acta Crystallographica. Section D: Structural Biology, 75, , 381-391

JAVIER MURCIANO CALLES

JOSE CRISTOBAL MARTINEZ HERRERIAS

- 2019 Articulo: Ultrafast folding kinetics of WW domains reveal how the amino acid sequence determines the speed limit to protein folding, Proceedings of the National Academy of Sciences of the United States of America (PNAS), 116, 17, 8137-8142

IRENE LUQUE FERNÁNDEZ

JOSE CRISTOBAL MARTINEZ HERRERIAS

MANUEL IGLESIAS BEXIGA

- 2019 Articulo: Tuning properties of biomimetic magnetic nanoparticles by combining magnetosome associated proteins, Scientific Reports, , , -

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SALVADOR CASARES ATIENZA

#### **Contribuciones en congresos**

- 2019 Conferencias impartidas en Otras Actividades Divulgativas: Evolución Dirigida De Proteínas: Imitar La Evolución Molecular En El Laboratorio. Mi Trabajo Con La Premio Nobel De Química 2018, Frances Arnold, Charlas de divulgación a institutos, 28/01/2019, Instituto Ave María San Cristóbal, Otra actividad de divulgación

JAVIER MURCIANO CALLES