



## Química Física

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**Áreas de conocimiento:** Química Física

**Director:** Irene Luque Fernández

**Secretario:** Beatriz Ibarra Molero

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

**Profesorado:** CU: 5, PTU:12 ,PTEU: 0, PDI Contratado y Otros.: 4

### Tesis leídas

- Búsqueda de Inhibidores de la interacción entre los Dominios L Víricos y sus Dianas Celulares de interés como antivirales de amplio espectro

Doctorando: Francisco José Castillo Correa

Director: Irene Luque Fernández, José Cristóbal Martínez Herrerías

Fecha de lectura: 28/04/2016

### Grupos de Investigación.

FQM36 QUÍMICA FÍSICA BIOMOLECULAR

- Responsable: ANTONIO PARODY MORREALE

FQM24 FOTOQUÍMICA Y FOTOBIOLOGÍA

- Responsable: JOSE MARÍA ALVAREZ PEZ

FQM17 BIOFÍSICA Y BIOTECNOLOGÍA MOLECULAR

- Responsable: PEDRO LUIS MATEO ALARCON

CTS131 ATENCIÓN FARMACÉUTICA

- Responsable: MARÍA JOSÉ FAUS DADER

BIO223 BIOMOLECULAS

- Responsable: JOSE MANUEL SANCHEZ RUIZ

BIO189 FÍSICOQUÍMICA FARMACÉUTICA

- Responsable: BARTOLOME QUINTERO OSSO

### Dirección y participación en Proyectos I+D

- 2015 Nanosensores FLIM de Quantum Dots para detección de pH intracelular: Aplicación en diagnóstico del cáncer mediante análisis metabólico diferencial, Campus of International Excellence-Biotic Granada- III call for I+D+i projects, 28/05/- 2015 -31/12/- 2015

Responsable: RUEDAS RAMA, MARIA JOSE

- 2015 Una plataforma multi-imagen para la evaluación del metabolismo celular. Aplicación al diagnóstico del cáncer y la citotoxicidad de oligómeros amiloides, Ministerio de Economía y Competitividad, 01/01/- 2015 -01/01/2018

Investigador/a: CASARES ATIENZA, SALVADOR

Investigador/a: TALAVERA RODRIGUEZ, EVA MARIA

Responsable: RUEDAS RAMA, MARIA JOSE

Responsable: ORTE GUTIERREZ, ANGEL

- 2015 MATERIALES ORGÁNICOS FUNCIONALES, Ministerio de Economía y Competitividad, 01/01/- 2015 - 31/12/2017

Investigador/a: ALVAREZ PEZ, JOSE MARÍA

Investigador/a: CROVETTO GONZALEZ, LUIS

### Publicaciones en revistas

- 2016 Artículo: Medication reconciliation at admission to surgical departments, Journal of evaluation in clinical practice., 22, , 20-25

GONZÁLEZ GARCÍA, M<sup>a</sup> LORENA

- 2016 Artículo: Common features in the folding and misfolding of PDZ domains and beyond: the modulatory effect of domain swapping and extra-elements, SCIENTIFIC REPORTS, 6, , 19242-

MARTINEZ HERRERIAS, JOSE CRISTOBAL

- 2015 Artículo: Adherence to Antihypertensive Therapy in Community Pharmacy: Evaluating the Psychometric Properties of the Morisky Medication Adherence Scale (MMAS-8) Translated into Spanish. Pilot Study., LATIN AMERICAN JOURNAL OF PHARMACY, 34, 1, 86-93

GARCÍA CORPAS, JOSÉ PEDRO

- 2015 Review: Identification of validated questionnaires to measure adherence to pharmacological antihypertensive treatments, PATIENT PREFERENCE AND ADHERENCE, , 9, 569-578

GARCÍA CORPAS, JOSÉ PEDRO

- 2015 Artículo: Identifying masked uncontrolled hypertension in the community pharmacy setting., Blood Pressure Monitoring, 20, 3, 138-143

SENDRA LILLO, JOSÉ

- 2015 Artículo: Usefulness of Blood Pressure Measurements by Community Pharmacists in Screening



- for Hypertension. The ScreenBpharm Study: a Protocol, Latin American Journal Of Pharmacy, 34, 2, 237-243
- SENDRA LILLO, JOSÉ
- 2015 Artículo: Single-Molecule FRET Reveals Hidden Complexity in a Protein Energy Landscape, Structure, 23, , 190-198
- ORTE GUTIERREZ, ANGEL
- RUEDAS RAMA, MARIA JOSE
- 2015 Artículo: WW domains of the yes-kinase-associated-protein (YAP) transcriptional regulator behave as independent units with different binding preferences for PPxY motif-containing ligands., PLoS One, 10, 1, e0113828-e0113850
- CASTILLO CORREA, FRANCISCO JOSÉ
- IGLESIAS BEXIGA, MANUEL
- LUQUE FERNÁNDEZ, IRENE
- SANCHEZ COBOS, EVA
- 2015 Artículo: Assessment of a screening protocol for type 2 diabetes in community pharmacy. The DiabNow Study, Diabetes Res Clin Pract, , 108, e49-e52
- GARCÍA CORPAS, JOSÉ PEDRO
- 2015 Artículo: Validity of home blood pressure measurements manually registered by patients after an educational session provided by community pharmacists, BLOOD PREASSURE MONITORING, 20, 4, 232-236
- GARCÍA CORPAS, JOSÉ PEDRO
- GARCÍA CORPAS, JOSÉ PEDRO
- 2015 Artículo: The First Step of Amyloidogenic Aggregation, The Journal of Physical Chemistry B, 119, 26, 8260-8267
- CASTELLO , FABIO
- 2015 Artículo: Photophysics of a Live-Cell-Marker, Red Silicon-Substituted Xanthene Dye, The journal of Physical Chemistry A, 119, 44, 10854-10862
- CASTELLO , FABIO
- 2015 Artículo: Development and testing of two implementation tools to measure components of professional pharmacy service fidelity, Journal of evaluation in clinical practice., , -
- GARCÍA CORPAS, JOSÉ PEDRO
- 2015 Artículo: USE OF LABSKILLS AS A VIRTUAL INTERACTIVE TOOL TO GUARANTY AN EFFICIENT LEARNING OF EXPERIMENTAL WORK IN THE CHEMISTRY LAB OF FIRST YEAR STUDENTS, INTED Proceedings, , , 7843-7849
- CASTELLO , FABIO
- ORTE GUTIERREZ, ANGEL
- RUEDAS RAMA, MARIA JOSE
- 2015 Artículo: New Dual Fluorescent Probe for Simultaneous Biothiol and Phosphate Bioimaging, Chemistry, 21, , 14772-14779
- ALVAREZ PEZ, JOSE MARÍA
- CROVETTO GONZALEZ, LUIS
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- 2015 Artículo: Photophysics of a Live-Cell-Marker, Red Silicon-Substituted Xanthene Dye, The Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory, 119, , 10854-10862
- CROVETTO GONZALEZ, LUIS
- 2015 Artículo: Pyridoxal-5'-phosphate deficiency is associated with hyperhomocysteinemia regardless of antioxidant, thiamine, riboflavin, cobalamine, and folate status in critically ill patients., Clinical Nutrition, May 19, pii: S0261-5614(15), 00136-3-00136-3
- QUINTERO OSSO, BARTOLOME
- 2015 Artículo: Intracellular Zn(2+) detection with quantum dot-based FLIM nanosensors for novel metabolomic applications in cell models, Chemical Communications, 51, 95, 16964-16967
- ORTE GUTIERREZ, ANGEL
- RUEDAS RAMA, MARIA JOSE

#### Capítulos de libros (con ISBN)

- 2016 Título Capítulo: Calorimetric approaches to studying complex protein structure-function stability relationships in conformational diseases: the case of cystathionine  $\beta$ -synthase., Título Libro: Biocalorimetry: foundations and contemporary approaches: Taylor & Francis, , - 2016 , PEY RODRÍGUEZ, ANGEL LUIS
- 2015 Título Capítulo: FLIM Strategies for Intracellular Sensing, Título Libro: Advanced Photon Counting Springer Series on Fluorescence: Springer International Publishing, , - 2015 , 1617-1306
- ORTE GUTIERREZ, ANGEL



PAREDES MARTÍNEZ, JOSÉ MANUEL

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ALVAREZ PEZ, JOSE MARÍA

RUEDAS RAMA, MARIA JOSE

- 2015 Titulo Capitulo: SH3 domains as suitable models to study amyloid, Titulo Libro: SH Domains Structure, Mechanisms and Applications: Springer International Publishing, , - 2015 , 978-3-319-

CONEJERO LARA, FRANCISCO

MOREL , BERTRAND

RUZAFRA RUIZ, DAVID

### Contribuciones en congresos

- 2015 Poster en Congreso: Host oriented inhibitors of Late Domain interactions as broad-spectrum antivirals, XV Congreso de la Sociedad de Biofísica de España (SBE), 10/06/- 2015 , Granada,

MARTINEZ HERRERIAS, JOSE CRISTOBAL

- 2015 Poster en Congreso: Biophysical characterization of the association between In and Ic from N. equitans, XV Congreso de la Sociedad de Biofísica de España, 10/06/- 2015 , , , , . FACULTAD DE

CIENCIAS UNIVERSIDAD DE GRANADA, Congreso

MARTINEZ HERRERIAS, JOSE CRISTOBAL

- 2015 Poster en Exposición: Reduction of the population of partially folded oligomers and aggregation propensity of alpha-Synuclein by an acetylation in the N-terminus, XV congress of the Spanish

Biophysical Society, 10/06/- 2015 , , Exposición

RUZAFRA RUIZ, DAVID

MOREL , BERTRAND

CONEJERO LARA, FRANCISCO

- 2015 Comunicación en congreso: XVth Congress of the Spanish Biophisica Society, XVth Congress of the Spanish Biophisica Society, 10/06/- 2015 , Granada, España, Congreso

MOREL , BERTRAND

- 2015 Comunicación en Exposición: Biomimetic magnetite particles and protein aggregates: optimizing the biomineralization process, 13th International Symposium on Biomineralization, 16/09/- 2015 , ,

AZUAGA FORTES, ANA ISABEL

CASARES ATIENZA, SALVADOR

- 2015 Comunicación en congreso: Partículas biomiméticas y agregados proteicos: Optimización del proceso de biomineralización, Congreso Nacional de Microbiología - 2015 , 07/07/- 2015 , , Congreso

CASARES ATIENZA, SALVADOR

AZUAGA FORTES, ANA ISABEL

- 2015 Conferencias impartidas: NATURAL LIGANDS RESTORE THE FUNCTION OF A CANCER-ASSOCIATED POLYMORPHISM IN NQO1, XV Congreso de la Sociedad de Biofísica de España

(SBE), 10/06/- 2015 , Granada, Congreso

PEY RODRÍGUEZ, ANGEL LUIS

- 2015 Comunicación en congreso: Effect of protein aggregates in biomimetic magnetite nanoparticle synthesis, IX Meeting of the Protein Structure and Function Network, 11/11/- 2015 , Sevilla, España,

Congreso

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- 2015 Poster en Congreso: USE OF LABSKILLS AS A VIRTUAL INTERACTIVE TOOL TO GUARANTY AN EFFICIENT LEARNING OF EXPERIMENTAL WORK IN THE CHEMISTRY LAB OF FIRST YEAR

STUDENTS, 9th INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE,

02/03/- 2015 , Madrid Spain, Congreso

ORTE GUTIERREZ, ANGEL

RUEDAS RAMA, MARIA JOSE

CASTELLO , FABIO

- 2015 Conferencias impartidas: A single mutation rescues cancer-associated polymorphic NQO1 by targeting native state dynamics, XV SBE MEETING, 10/06/- 2015 , Granada, Congreso

PEY RODRÍGUEZ, ANGEL LUIS

- 2015 Comunicación en congreso: ASSOCIATION OF BLOOD Zn LEVELS AND Zn TRANSPORTERS

EXPRESION WITH AGE AND SIRS, ESPEN, 03/09/- 2015 , , - Lisboa, Portugal, Congreso

QUINTERO OSSO, BARTOLOME

- 2015 Comunicación en congreso: EVALUACIÓN DEL ESTATUS DE VITAMINA B12 Y ÁCIDO FÓLICO EN MUJERES POSTMENOPÁUSICAS. IMPLICACIONES HORMONALES Y CARDIOVASCULARES., 57

Congreso de la Sociedad Española de Endocrinología y Nutrición (SEEN), 27/05/- 2015 , - MADRID,

Congreso

QUINTERO OSSO, BARTOLOME