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Grupo de Investigación: **BIOFISICA Y BIOTECNOLOGIA MOLECULAR** (Cod.: FQM171)

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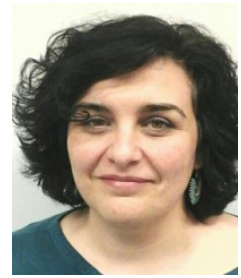
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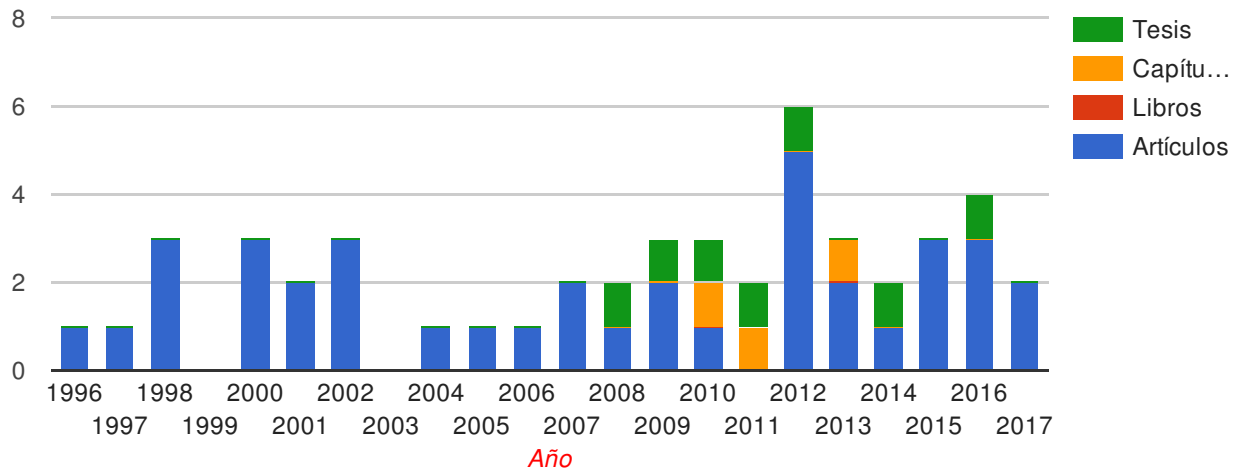


Ficha del Directorio

Producción 48

Artículos (38) Libros (0) Capítulos de Libros (3) Tesis dirigidas (7)

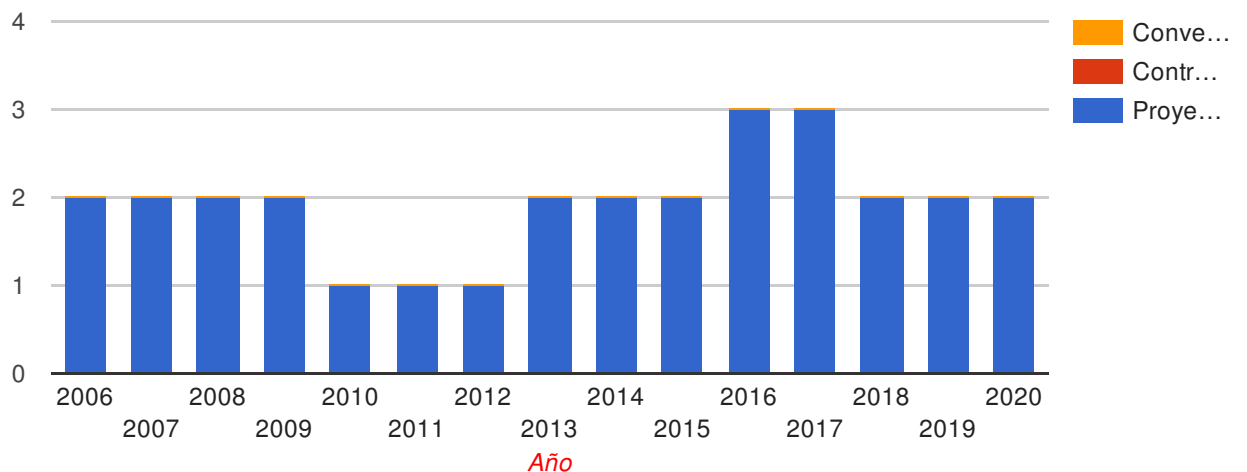
Evolución producción



Proyectos dirigidos 8

Proyectos (8) Contratos (0) Convenios (0)

Proyectos en curso por año



Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
Sublingual priming with a hiv gp41-based subunit vaccine elicits mucosal antibodies and persistent b memory responses in non-human primates.		Articulo	2017
Sublingual priming with a hiv gp41-based subunit vaccine elicits mucosal antibodies and persistent b memory responses in non-human primates.	Frontiers in immunology	Articulo	2017
A new physiological role for the dna molecule as a protector against drying stress in desiccation-tolerant microorganisms	Frontiers in microbiology	Articulo	2016
A new physiological role for the dna molecule as a protector against drying stress in desiccation-tolerant microorganisms	Frontiers in microbiology	Articulo	2016
Búsqueda de inhibidores de la interacción entre los dominios I víricos y sus dianas celulares de interés como antivirales de amplio espectro	Facultad de ciencias, universidad de granada	Tesis doctoral	2016
From binding-induced dynamic effects in sh3 structures to evolutionary conserved sectors	Plos computational biology	Articulo	2016
Balancing the effect of corona on therapeutic efficacy and macrophage uptake of lipid nanocapsules	Biomaterials	Articulo	2015
Crystal structure of the first ww domain of human yap2 isoform	Journal of structural biology	Articulo	2015
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	Articulo	2015
Interacciones cooperativas y efectos contextuales en dominios sh3 y ww	Universidad de granada. facultad de ciencias	Tesis doctoral	2014
Post translational modifications modulate ligand recognition by the third pdz domain of maguk protein psd ζ 95	Plos one	Articulo	2014
Isothermal titration calorimetry: thermodynamic analysis of the binding thermograms of molecular recognition events by using equilibrium models	Applications of calorimetry in a wide context - differential scanning calorimetry, isothermal titration calorimetry and microcalorimetry	Capítulo de libro	2013
The strawberry pathogenesis-related 10 (pr-10) fra a proteins control flavonoid biosynthesis by binding to metabolic intermediates	Journal of biological chemistry	Articulo	2013
Two-state dynamics of the sh3-sh2 tandem of abl kinase and the allosteric role of the n-cap.	Proceedings of the national academy of sciences of the united states of america	Articulo	2013
Aspectos dinámicos de reconocimiento de ligandos y regulación funcional de dominios sh3: hidratación, cooperatividad y equilibrio conformacional	Facultad de ciencias. universidad de granada	Tesis doctoral	2012
Interfacial water molecules in sh3 interactions: a revised paradigm for polyproline recognition	Biochemical journal	Articulo	2012
Interfacial water molecules in sh3 interactions: getting the full picture on polyproline recognition by protein-protein interaction modules	Febs letters	Articulo	2012
Proliferating cell nuclear antigen (pcna) interaction in solution studied by nmr	Plos one	Articulo	2012
The promiscuous binding of the fyn sh3 domain to a peptide from the ns5a protein	Acta crystallographica. section d, biological crystallography	Articulo	2012
Thermodynamic impact of embedded water molecules in the unfolding of human cd2bp2-gyf domain		Articulo	2012

Biophysics of protein-protein interactions	Protein surface recognition: approaches for drug discovery	Capítulo de libro	2011
Dominios ww: estudio de la estabilidad conformacional y del reconocimiento de ligandos		Tesis doctoral	2011
Determinantes moleculares de la afinidad y especificidad de unión en dominios sh3	Universidad de granada. química física	Tesis doctoral	2010
Differential scanning calorimetry: thermodynamic analysis of the unfolding transitions of proteins, domains and peptidic fragments by using equilibrium models	Protein folding (edited by eric c. walters)	Capítulo de libro	2010
Role of interfacial water molecules in proline-rich ligand recognition by the src homology 3 domain of abl	Journal of biological chemistry	Articulo	2010
Determinantes moleculares de la afinidad y especificidad de union en dominios sh3	Universidad de granada. química física	Tesis doctoral	2009
Intertwined dimeric structure for the sh3 domain of the c-src tyrosine kinase induced by polyethylene glycol binding	Febs letters	Articulo	2009
Thermodynamic characterization of the folding equilibrium of the human nedd4-ww4 domain: at the frontiers of cooperative folding	Biochemistry (easton)	Articulo	2009
Molecular basis of histone h3k4me3 recognition by ing4	Journal of biological chemistry	Articulo	2008
Reconocimiento de secuencias ricas en prolina por dominios modulares de interacción proteína-proteína	Universidad de granada. química física	Tesis doctoral	2008
Crystallization by capillary counter-diffusion and structure determination of the n114a mutant of the sh3 domain of abl tyrosine kinase complexed with a high-affinity peptide ligand	Acta crystallographica. section d, biological crystallography	Articulo	2007
Crystallographic structure of the sh3 domain of the human c-yes tyrosine kinase: loop flexibility and amyloid aggregation	Febs letters	Articulo	2007
Structure of human tsg101 uev domain.	Acta crystallographica. section d, biological crystallography	Articulo	2006
Role of the surface charges d72 and k8 in the function and structural stability of the cytochrome c(6) from nostoc sp pcc 7119	The febs journal	Articulo	2005
Thermodynamic dissection of the binding energetics of proline-rich peptides to the abl-sh3 domain: implications for rational ligand design	Journal of molecular biology	Articulo	2004
Identification and characterization of allophenylnorstatin-based inhibitors of plasmepsin ii, an antimalarial target	Biochemistry (easton)	Articulo	2002
Structural parameterization of the binding enthalpy of small ligands	Proteins: structure, function, and bioinformatics	Articulo	2002
The linkage between protein folding and functional cooperativity: two sides of the same coin	Annual review of biophysics and biomolecular structure (print)	Articulo	2002
The application of thermodynamic methods in drug design	Thermochemica acta	Articulo	2001
The use of isothermal titration calorimetry in drug design: applications to high affinity binding and protonation/deprotonation coupling	Netsu sokutei	Articulo	2001
Structural stability of binding sites: consequences for binding affinity and allosteric effects	Proteins: structure, function, and bioinformatics	Articulo	2000
Thermodynamic basis of resistance to hiv-1 protease inhibition: calorimetric analysis of the v82f/i84v active	Biochemistry (easton)	Articulo	2000

site resistant mutant			
Thermodynamic dissection of the binding energetics of kni-272, a potent hiv-1 protease inhibitor	Protein science	Articulo	2000
Molecular basis of resistance to hiv-1 protease inhibition: a plausible hypothesis	Biochemistry (easton)	Articulo	1998
Structure-based prediction of binding affinities and molecular design of peptide ligands	Methods in enzymology	Articulo	1998
Structure-based thermodynamic design of peptide ligands: application to peptide inhibitors of the aspartic protease endothiapsin	Proteins: structure, function, and bioinformatics	Articulo	1998
Structure-based thermodynamic analysis of hiv-1 protease inhibitors	Biochemistry (easton)	Articulo	1997
Structure-based thermodynamic scale of alpha-helix propensities in amino acids	Biochemistry (easton)	Articulo	1996

	Título proyecto	Tipo	Inicio	Fin
1	Identificación y optimización de inhibidores de la gemación vírica: hacia el desarrollo de antivirales de amplio espectro	Proyecto	12/30/16	12/29/20
2	Identificación y optimización de inhibidores de la gemación vírica: hacia el desarrollo de antivirales de amplio espectro.	Proyecto	12/30/16	12/29/20
3	Towards host-directed broad spectrum antivirals: a multidisciplinary approach for the identification and optimization of virus	Proyecto	12/1/16	12/31/17
4	Understanding binding affinity and specificity in polyproline recognition by protein interaction modules: towards the development of inhibitors with antitumoral and antiviral properties	Proyecto	1/1/13	12/31/15
5	Análisis de la afinidad y especificidad en el reconocimiento de secuencias ricas en prolina dirigido al desarrollo de inhibidores con propiedades antivirales y antitumorales	Proyecto	1/1/13	12/31/15
6	Bases moleculares de la afinidad y especificidad de unión en módulos de reconocimiento de secuencias ricas en prolina. diseño y desarrollo de inhibidores de interés biotecnológico	Proyecto	1/1/10	12/31/12
7	Bases moleculares de la afinidad y especificidad de unión en módulos de reconocimiento de secuencias ricas en prolina. diseño y desarrollo de inhibidores de interés biotecnológico.	Proyecto	10/1/06	9/30/09
8	Estudios termodinámico estructural y dinámico de módulos de reconocimiento de secuencias ricas en prolina y sus interacciones con ligandos	Proyecto	10/1/06	9/30/09

Actividades 0

Título actividad	Fuente	Tipo	Fecha
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Colaboradores

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- EVA SANCHEZ COBOS (7)
- PEDRO LUIS MATEO ALARCON (7)
- FRANCISCO CONEJERO LARA (2)
- FRANCISCO JOSÉ CASTILLO CORREA (2)
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- CRISTINA GARCIA FONTANA (1)
- ISABEL MARIA PLAZA DEL PINO (1)
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- JOSE MANUEL PEULA GARCIA (1)
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- JUAN MANUEL GARCIA RUIZ (1)
- MAXIMINO MANZANERA RUIZ (1)
- ABDULIO LÓPEZ MAYORGA (1)
- SERGIO MARTINEZ RODRIGUEZ (1)