

P1. Analyses of the ATP cycle of molecular chaperone Hsp90 by NMR spectroscopy  
Afonso MS Duarte

P2. Protein surface recognition in solution and gas-phase: five VEGF peptidic ligands show inversed affinity when studied by NMR and CID MS  
Andrey Dyachenko

P3. Molecular modeling studies of the Transmembrane peptide of Influenza Hemagglutinin with membrane bilayers  
Bruno L. Victor

P4. Computational study of substrate pathways in a [NiFeSe]-hydrogenase  
Carla S. A Baltazar

P5. Insertion of short transmembrane helices by the Sec61 translocon: coupling amino acid distribution in integral membrane protein structures and helicity  
Carlos Baeza Delgado

P6. Crystallographic Studies on Molybdenum Enzymes  
Catarina Coelho

P7. Comparative study on three lytic amidases degrading Streptococcus pneumoniae cell wall  
Cristina Gallego

P8. High-throughput screening of ionic liquids licensing lipase activity  
Diana Ruivo

P9. Is pH-induced Misfolding Transition of Prion Protein Reversible? A Constant-pH Molecular Dynamics Study  
Diogo Vila-Viçosa

P10. S100 proteins: modulators of A $\beta$  amyloidogenesis  
Hugo M. Botelho

P11. Towards understanding dioxygen pathways inside CotA laccase through molecular modelling techniques  
Damas, J.M

P12. Structural studies on a bacterial cyclic nucleotide binding domain  
João Pessoa

P13. Characterization of the structural mechanisms underlying the extracellular interaction between Hsp90 $\alpha$  and HER2  
Leticia Ortí

P14. The crystal structures of two novel transcarbamylases, putrescine transcarbamylase (PTC) and oxamate transcarbamylase (OxTC) reveal new structural traits and key specificity determinants within the transcarbamylase superfamily  
Luis Mariano Polo

P15. Insertion of Helix-C of Bacteriorhodopsin into the Er Membrane  
Manuel Bañó Polo

P16. Characterization of a C-terminal domain from an EAG potassium channel  
Maria João Carvalho

P17. A new system of "three components" regulates the stress response in cyanobacteria  
Lopez-Redondo M

P18. The Cpl-7 endolysin: a new antimicrobial candidate  
Noemí Bustamante

P19. Constant-pH molecular dynamics simulations of the neuropeptide kyotorphin in a lipid bilayer  
Magalhães, P.R

P20. Supercomplexes of the Escherichia coli aerobic respiratory chain  
Pedro M.F. Sousa

P21. Sorting of recombinant proteins in the plant secretory pathway  
Rita B. Santos

P22. NMR structure and dynamics of recombinant wild-type and mutated jerdostatin, a selective inhibitor of integrin  $\alpha 1\beta 1$   
Rodrigo J Carbajo

P23. N-terminal PrPC domain disrupts anionic membrane rafts  
Rosa Sánchez

P24. Identification and characterization of a novel flavin-containing oxidase from *Microccoccus varianns*  
Callejon, S.

P25. Computational study of the human prion protein misfolding reveals a  $\beta$ -rich form at low pH  
Sara R. R. Campos

P26. Unprecedented high toxicity of PrP mutants with unlocked C-domains  
Silvia Lisa

P27. Folding of TM Segments Along the Ribosome-Translocon Tunnel  
Silvia Tamborero

P28. Structural studies of matrix protein import  
Sofia Alves

P29. Conformational changes induced by ATP-hydrolysis in an ABC transporter: a molecular dynamics study of the Sav1866 exporter  
Oliveira, A. Sofia F.

P30. A link between synaptic metal ions imbalance and SOD1 aggregation in ALS  
Sónia S. Leal

P31. Molecular Determinants of the Azo Reduction Activity by Pseudomonas putida MET94 Strain  
Sónia Mendes

P32. Understand the role of phenolic redox mediators in the oxidation of non-phenolic compounds by laccases  
Tânia Rosado

P33. Site Saturation Mutagenesis Studies in CotA-laccase of Bacillus subtilis  
Vânia Brissos

P34. Analyzing the molecular basis of the stability of enzymes in ethanol/water mixtures  
Diana Lousa

P35. Modulation of amyloid formation and toxicity by SeMet tagging  
Javier Martinez