

	Wednesday, Feb. 10	Thursday, Feb. 11	Friday, Feb. 12
09:00 - 09:30	Registration		OC 34 - J. García-Pindado: Bike peptides, a ride through the membrane
09:30 - 10:00		PL 2 - Gilles Subra (09:15-10:00 h): Crafting new materials and polymers with hybrid peptide building blocks	OC 35 - Cláudia Monteiro: Antimicrobial properties of short peptides derived from MSI-78 OC 36 - Mário Felício: Structure studies and mechanisms of action insights of two novel antimicrobial peptides OC 37 - Carla Sousa: Ocellatins-PT antimicrobial peptides: structure, characterization, membrane interactions and anti- <i>Leishmania</i> activity
10:00 - 10:45	PL 1 - Dek Woolfson (10:00-10:45 h): Using designed peptide modules to move into unexplored regions of protein structure/function space	OC 16 - Jordi Solà: Dynamic pseudopeptides: generation of structural diversity inspired by Nature OC 17 - María Lafuente: Adaptive processes in a topologically diverse dynamic library of pseudopeptides OC 18 - Alexandra Plácido: Bioactive peptides of the Cry1Ab16 toxin from <i>Bacillus thuringiensis</i> by nanodevices films for potential biotechnological applications	OC 38 - A. Revuelto-Pérez: A proteomimetic approach to disrupt protein-protein interactions of trypanothione reductase of <i>Leishmania infantum</i> OC 39 - Pedro J. B. Pereira: The role of post-translational modifications on the activity of a specific thrombin inhibitor OC 40 - Daniel Pulido: Peptide-targeted drug delivery systems of α -galactosidase A for the treatment of Fabry disease
10:45 - 11:15	Coffee break		
11:15 - 12:30	OC 1 - H. Zamora-Carreras: Exploring the chameleonic behaviour of peptides derived from the choline-binding domain of pneumococcal autolysin LytA OC 2 - Carlos Serpa: Following pH jump-induced alpha-helix peptide (un)folding dynamics OC 3 - Miquel Adrover: A detailed portrait of the folding pathway and dynamical behavior of neuromedin C OC 4 - André Faustino: Conformational changes governing dengue virus capsid protein disordered N-terminal region and its inhibition by pep14-23 OC 5 - Jéssica Rodriguez: The AT-hook motif as minor groove anchor for synthetic DNA binders	OC 19 - Carina Carvalho: Permeation of model membranes by Peptaibolin mimetics bearing different α,α -dialkylglycines OC 20 - E. Fajardo-Sanchez: Dengue virus in the spotlight: capsid peptide binds specifically to a bilayer membrane model by Molecular Dynamics OC 21 - Diana Lousa: When simulation and experiment fuse: analysing the interaction of the influenza fusion peptide with model membranes OC 22 - Cláudia Fernandes: Selection of peptides for the efficient and mild affinity purification of retroviral particles OC 23 - Marta Planas: Antimicrobial cyclic lipopeptides as agents for plant protection	OC 41 - C. Pérez-Peinado: Rational dissection of the rattlesnake peptide crotaclidin retrieves a fragment with enhanced antimicrobial and antitumor properties OC 42 - Tiago Figueira: Quantitative characterization of peptide-lipid partition using surface plasmon resonance OC 43 - Catarina Morais: Interaction of acylated S _{4,13} -PV analogs with lipid membranes PL 3 - Margus Pooga (12:00-12:45 h): From cell penetration of transport to receptor-mediated internalization of peptide nanoparticles
12:30 - 14:00	Lunch break		
14:00 - 14:30	KN 1 - Helena S. Azevedo: The use of peptides for self-assembling biomaterials: instructive building blocks for constructing complexity and functionality in biomaterials	KN 3 - Miguel Vázquez: Bioactive metallopeptides derived from 2,2'-bipyridine	
14:30 - 15:45	OC 6 - Sofia C. Ribeiro: Peptide design for interfacial self-assembly of biomaterials for bone regeneration OC 7 - Krystyna Duncan: Discovery of catalytic peptides via biocatalytic self-assembly OC 8 - Fabiola Costa: Impact of different immobilization parameters on the immobilized antimicrobial peptide (Dhvar5) antibacterial activity OC 9 - Ana S. Pina: A nanoscale magnetic antimicrobial platform OC 10 - Akhilesh Rai: Design of potent antimicrobial and biocompatible surface using antimicrobial peptide	OC 24 - Omar Brun: Selective derivatization of peptides containing N-terminal cysteines using 2,2-disubstituted cyclopent-4-en-1,3-diones OC 25 - Rita Fernandes: Fluorine in peptide and protein engineering OC 26 - J. Palà-Pujadas: Towards the chemical synthesis of the signaling protein Sonic Hedgehog OC 27 - C. Díaz-Perlas: Total chemical synthesis of D-epidermal growth factor OC 28 - Sira Defaus: Synthetic peptide vaccines against foot-and-mouth disease: success at last	
15:45 - 16:15	Coffee break		
16:15 - 16:45	KN 2 - Meritxell Teixidó: Peptide nanoambulances for CNS drug delivery	KN 4 - Diana Gaspar: Improving cancer therapy with anticancer peptides	
16:45 - 18:15	OC 11 - Vera Neves: A novel peptide platform derived from Dengue virus for drug delivery into the brain OC 12 - P. Arrans-Gilbert: Breaking barriers – the challenge of Blood-Brain Barrier (BBB) shuttles as therapeutic agents: gene therapy for Friedreich's ataxia OC 13 - Patricia Carvalho: Maximizing biomolecules signal detection for study of single protein-ligand interaction events OC 14 - Arminda Santos: New BACE1 inhibitors for Alzheimer's disease treatment: evaluation of their efficacy in <i>in vitro</i> and <i>in vivo</i> models OC 15 - Guillem Vázquez: Multifunctional short peptides for the design of anti-Alzheimer therapeutics	OC 29 - Filipe Vultros: In-111 labeled peptides towards the estrogen receptor for theranostic of breast cancer OC 30 - Salvador Guardiola: Design, synthesis and biophysical study of peptide ligands targeting epidermal growth factor (EGF) OC 31 - Célia Fernandes: Novel radiopeptides for molecular imaging of EGFR positive tumors OC 32 - Anna Escolá: New insights into the design of somatostatin analogs: effect of the aromatic interaction into its 3D structure OC 33 - Abigail Ferreira: Development of new peptide-gemcitabine conjugates for cancer therapy	
18:15 - 18:35	CEM Lecture - Giorgio Marini: An improved coupling method for peptide synthesis at elevated temperature		
18:35 - 19:15	Welcome reception ("Porto de Honra")		
19:15 - 20:00	Meeting of the EPI steering committee	Meeting dinner (@Casa da Música)	