



PepMat 2013

Peptide Materials for Biomedicine
and Nanotechnology

Poster Session A: Peptide Materials

Peptide Self-Assembly

P1 G. Collie - University of Bordeaux, France

Crystallographic Studies of Amphiphilic Water-Soluble Helical Foldamers: Structural Insights into their Interaction with Cationic and Anionic Surfactants

P2 Y. Moskalenko - Technical University of Darmstadt, Germany

β -Peptide Liquid Crystalline Phases for NMR/RDC Structural Analysis of Organic Molecules

P3 M. Vincenzi - University of Naples "Federico II", Italy

Solution Conformational Features and Interfacial Properties of an Intrinsically Disordered Peptide Coupled to Alkyl Chains: a New Class of Peptide Amphiphiles

P4 C. Pappas - University of Strathclyde, Glasgow, UK

Directing Peptide Self-Assembly Using Sound Waves

P5 C. Toniolo - University of Padua, Italy

Photoresponsiveness and Outstanding Self-Assembly Ability Combined in a Single Amino Acid

P6 M. Bortolus - University of Padua, Italy

Self-Association of a Beta-Pentapeptide in a Nematic Liquid Crystal

P7 E. Fenude - ICB-CNR, Sassari, Italy

Simple Models for Self-Assembling Peptide Systems: a Synthetic Approach to Study Conformational Preferences

P8 A. Bertolani - Polytechnic Institute of Milan, Italy

Single Crystal X-ray Structure of an Amyloidogenic Peptide

Peptide Materials for Opto/Electronic Applications.

P9 E. Gatto - University of Tor Vergata, Rome, Italy

Mimicking the Nature: A Novel Peptide-Based Bio-Inspired Approach for Solar Energy Conversion

P10 R.C. Bianchi - Federal University of ABC, Santo André, Brasil

Urea Sensor Based on Au Electrodes Modified with Peptide Micro/Nanostructures

P11 T.C. Cipriano - Federal University of ABC, Santo André, Brasil

Biosensor Based on Peptide Microtubes Modified with Microperoxidase 11

Peptide Interactions with Materials.

P12 M. Caruso - University of Tor Vergata, Rome, Italy

Chemisorption on a Gold Surface of Oligopeptides Characterized by the Helicogenic, Cyclic Disulfide-Containing α -Amino Acid Adt

P13 M. De Zotti - University of Padua, Italy

Atc Homo-Peptide Helices: a New Tool for Metal Surface Functionalization



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Peptide/Polymer Conjugates

P16 C. Peggion - University of Padua, Italy

New Antibacterial Peptides and Dendrimers Covalently Linked to Cotton Fibers

P17 S. Sartori – Polytechnic Institute of Turin, Italy

Biomimetic Functionalization of Polyurethane Films and Scaffolds

Poster Session B: Peptide in Nanomedicine

Peptides for Drug Delivery

P18 D. Tesauro - University of Naples “Federico II”, Italy

Octreotide Labelled Liposomes as Targeted Delivery Systems for Platinum Complexes

P19 S.M. Monti - IBB-CNR, Naples, Italy

Peptides Mimicking IC Tail of hCA IX Tumor Enzyme Interact with Nuclear Transport Factors

P20 A. Accardo - University of Naples “Federico II”, Italy

CCK8 Peptide-Labeled Pluronic® F-127 Micelles as a Targeted Vehicle of Gold-Based Anticancer Chemotherapeutics

P21 M. Antopolskij – University of Helsinki, Finland

One-Step Production of Peptide-Modified Gold Nanoparticles for siRNA Delivery

P22 E. Naydenova - University of Chemical Technology and Metallurgy, Sofia, Bulgaria

New Amphiphilic Polyphosphoesters Based on Oligopeptides as Drug Carriers

P23 G. Smaldone - IBB-CNR, Naples, Italy

gH625 is a Viral Derived Peptide for Effective Delivery of Proteins

P24 M. Chochkova - South-West University “Neofit Rilski”, Blagoevgrad, Bulgaria

Rimantadine Conjugates with Fluorine-Containing Oligopeptides: Synthesis and Biological Activity

P25 K. Chuckov - South-West University “Neofit Rilski”, Blagoevgrad, Bulgaria

Amino Acid Analogues of Inhibitors of the M2 Channel of Influenza A Virus

P26 A. Falanga - University of Naples “Federico II”, Italy

Shuttle-Mediated Nanoparticle Delivery to the Blood Brain Barrier

Peptide Material Design

P27 K. Duncan - University of Strathclyde, Glasgow, UK

Discovery of Catalytic Peptides via Phage Display

P28 L. Pirone – Institute of Crystallography, CNR, Bari, Italy

Q3 Stapled Peptides: a Suitable Tool for Cullin-KCTD Proteins Interaction Studies

P29 M.I. Souza - CCNH, Federal University of ABC, Santo André, Brasil

Structure Dependence of ROS Production in Peptide Nanotubes Functionalized with Hypericin

P30 F. Squeglia - IBB-CNR, Naples, Italy

Structural Features of Streptococcal Collagen-like Protein Scl2 from Streptococcus Pyogenes



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Peptide Biomaterials & Tissue Regeneration

P31 A. Smith - University of Reading, U.K.

Developing Advanced Peptide Amphiphiles for Wound Healing

P32 E. Silva – Federal University of ABC, Santo André, Brasil

Fibrillation of Arg/Phe Peptides Investigated by Small-Angle X-Rays Scattering

P33 I. De Paola - University of Naples “Federico II”, Italy

Functionalized Semiconductor Nanocrystals Bioconjugated with RGD Peptide for Integrin Targeting

P34 G. M. L. Messina - University of Catania, Italy

Interaction Cell-Rec Self-Assembled on Different Substrates

P35 M. Dathe - Leibniz Institute of Molecular Pharmacology, Berlin, Germany

A Peptide-Modified Liposomal Formulation of TG1: a Promising Approach for the Skin Restoration of TG1-Deficient Patients

P36 M. Bortolus - University of Padua, Italy

Interaction of hydrophobic and amphipathic antimicrobial peptides with lipid bicelles

P37 C. Rentier – University of Florence, Italy

Preparation of peptide-resin conjugates to remove pathogenic antibodies from autoimmune diseases patients' sera: the case of Primary Biliary Cirrhosis