

| Poster | | | |
|--------|---------------------|-----------|---|
| Number | Surname | Firstname | Poster Title |
| | 1 Abdel-Hafez | Salma | Chitosan nanoparticles production: End of the debate |
| | | | Cellular Response on Matrix-Bound Growth Factor Gradients and Stiffness Gradients |
| | 2 Almodovar | Jorge | Generated on Polyelectrolyte Multilayer Films |
| | | | |
| | 3 Alvarez De Eulate | Eva | Protein detection and identification via electrochemistry at liquid – liquid interfaces |
| | 4 Badique | Florent | Mechanism of cancerous cells deformation on micropillared surfaces |
| | 5 Baghdadli | Nawel | On the understanding of the chemical nature of cosmetic biointerfaces |
| | | | Recognition of cellular membranes by viruses: the role of cell-surface sugars probed with |
| | 6 Bally | Marta | artificial membranes |
| | 7 Bankar | Ashok | "Green Synthesis of Cr2O3 Nanoparticles by Using Marine Yeast" |
| | | | |
| | 8 Bano | Fouzia | Controlling and modulating ssDNA-Au interactions at the single-molecule level |
| | | | Investigating Nanomaterial – Biomembrane Interactions using |
| | 9 Beales | Paul | Giant Unilamellar Vesicles as Model Systems |
| | | | Molecular-level understanding of protein adsorption at the interface between water and |
| | 10 Biggs | Mark | solid surfaces |
| | | | The surface of a PEGylated liposome in the bloodstream, what can molecular dynamics |
| | 11 Bunker | Alex | simulation tell us? |
| | | | |
| | | | IMAGING OF LIPIDS AND AMYLOID BETA PLAQUES IN MOUSE BRAIN TISSUE USING |
| | 12 Carlred | Louise | LIPOSOMES AND TIME-OF-FLIGHT SECONDARY ION MASS SPECTROMETRY |
| | 13 Chalbi | Myriam | Role of sperm protein Izumo in gamete adhesion |
| | | | Quantitative reflection interference contrast microscopy on substrates with multi- |
| | 14 Chen | Xinyue | layered coatings – a novel tool for the characterization of soft interfaces |
| | 15 Chiappini | Ciro | Interfacing biodegradable porous silicon nanoneedles with cells |
| | | | Target-based drug activity and post-translational and transcriptional analysis |
| | 16 Coulet | Denis | using ex vivo Alvetex®Scaffold three-dimensional cell culture technology |



| Poster | | | |
|--------|---------------------|------------|--|
| Number | Surname | Firstname | Poster Title |
| | | | |
| 1 | L7 Dahlin | Andreas B. | Polymer-Functionalized Nanopores with Electrical and Optical Sensing Mechanisms |
| | | | In Forward and Reverse: Combining Two Microarray Styles to Pattern Proteins in Three- |
| 1 | 18 De Lange | Victoria | Dimensions |
| | | | |
| 1 | L9 Demko | Laszlo | Towards a fully flexible system for studying hybrid networks with controlled topology |
| 2 | 20 Desai | Vibhuti | Directing cell adhesion using a naturally sticky protein, Ranaspumin2 |
| | | | |
| | | | Mimicking the protein-carbohydrate interaction on the cell surface: creation of sugar |
| 2 | 21 Diaz Ventura | Leire | nanocluster arrays to study their (multivalent) interaction with lectin proteins |
| | | | Metal nanowires at the solid-liquid interface – A sensing platform combining optical and |
| 2 | 22 Dielacher | Bernd | electrical detection |
| 2 | 23 Dörig | Pablo | Studying cells and colloids with FluidFM |
| | | | Direct-Write Photochemical Functionalisation of Diamond-Like-Carbon for Electronic |
| 2 | 24 Dugan | James | Neural Interfaces |
| | | | shared with Raphael Zahn: |
| | | | Ultrathin films of artificial FG repeat domains – a gateway for understanding the |
| | | | importance of electrostatic interactions in nuclear transport. |
| 2 | 25 Ehret | Severin | |
| | | | Cohesiveness tunes assembly and morphology of FG nucleoporin domain meshworks – |
| 2 | 26 Eisele | Nico | Implications for nuclear pore permeability |
| 2 | 27 Ergene | Cansu | Antimicrobial Properties of Boron Nitride (BN) Coating on 316L Grade Steel |
| 2 | 28 Faccio | Greta | TYROSINASE FOR PROTEIN IMMOBILIZATION |
| 2 | 29 Fejerskov | Betina | Substrate Mediated Enzyme Prodrug Therapy |
| | | | Evaluation of anti-allergic effects using piezoelectric biosensor based on the exocytosis of |
| 3 | 30 Fohlerová | Zdenka | RBL – 2H3 mast cells |
| 3 | 31 Fraczek-Szczypta | Aneta | Interaction between carbon nanotubes and the muscle cells and tissue |



| Poster | | | |
|--------|---------------------|------------------------|--|
| Number | Surname | Firstname | Poster Title |
| | * | | Localized surface plasmon resonance based sensing for pathogen detection |
| | 32 Gãeken | Kristian | |
| | 33 Gand | Adeline, Marie, Hélène | Fibronectin-based nanofilm biomaterials |
| | 34 Gilde | Flora | Biomimetic films as reservoirs for rhBMP-2 |
| | | | Bacterial Cellulose as a feasible cell carrier for Retinal Pigment Epithelium Cell |
| | 35 Gonçalves | Sara | Transplantation |
| | | | Relating the complexity of the phospholipid-titania interface to surface chemical and |
| | 36 Gregurec | Danijela | physical properties |
| | 37 Gupta | Swati | Selectivity in Platelet Activation by the Titania Surface |
| | | | THE IMPACT OF MODIFIED PAMAM AND PPI DENDRIMERS OF 4th GENERATION ON |
| | 38 Halets | Inessa | AGGREGATION OF PLATELETS |
| | | | A high throughput strategy for studying protein pre-adsorption to materials developed |
| | 39 Hammad | Moamen | for stem cell culture |
| | 40 Hathout | Rania | Chitosan nanoparticles production: End of the debate |
| | | | |
| | 41 Heath | George | AFM of supported lipid Bilayers: From Critical Point Behaviour to Actin Polymerization |
| | | | Self-assembly of designed repeat proteins into ordered monolayers and solution |
| | 42 Hernández Mejías | Sara | polymers |
| | 43 Hoffecker | lan | Cell LEGO |
| | 44 Horvath | Robert | Label-free optical waveguide monitoring of biological films and living cells |
| | | | |
| | 45 Huet | Gilles | Study of antibodies adsorption to improve their orientation for diagnostic purpose |
| | | | Single-channel investigation of trichogin GA IV activity in reconstituted planar lipid |
| | 46 Iftemi | Sorana Elena | membranes |
| | 47 luster | Noa | The effect of cross-linking on the frictional behavior of polymer brushes |
| | | | The Effect of Electric Current on the Cell Adhesion Forces Quantified by Fluidic Force |
| | 48 Jaatinen | Leena | Microscopy |



| Poster | | | |
|--------|--------------------|-----------------|---|
| Number | Surname | Firstname | Poster Title |
| | | | |
| 4 | 49 Jensen | Bettina Brøgger | Engineering intelligent biointerfaces using physical hydrogels based on poly(vinyl alcohol) |
| 5 | 50 Jing | Yujia | Phase separated asymmetric supported lipid membranes |
| 5 | 51 Junesch | Juliane | Biosensing using suspended plasmonic nanopores |
| | | | |
| 5 | 52 Kamudzandu | Munyaradzi | Developing a neuronal circuitry in vitro: towards therapies for Huntington's disease |
| | | | Detection of fluorescent nanoparticles in biological material by fluorescence spectrum |
| | 53 Kenesei | Kata | analysis |
| 5 | 54 Klein Gunnewiek | Michel | Gradient polymer brushes for tissue engineering: From 2D to 3D systems. |
| | | | Biological accumulation at surfaces: from single to multiple proteins and cell mediation |
| 5 | 55 Kuforiji | Folashade | of the protein layer |
| 5 | 56 Kumar | Shailabh | Nanopore Arrays for Improved Sensitivity and Biological Analysis |
| 5 | 57 Kumorek | Marta | Fabrication of multilayered assembly for FGF-2 delivery |
| 5 | 58 Kunze | Angelika | A combined QCM-D and light microscopy instrument for cell studies |
| 5 | 59 Kuvichkin | Vasily | The nuclear pore assembly: more physics than biology |
| | | | |
| | | | A new biosensor for the detection of low molecular weight compounds based on |
| (| 60 Labbé | Pierre | immobilized aptamer conformational change transduction: a QCM-D and SPR study |
| | | | LAMMPS Program Development for the Molecular Simulation of Protein-Surface |
| (| 61 Latour | Robert | Interactions |
| | | | Delivery of the chemokine SDF-1á from polyelectrolyte multilayer films: control of |
| | | | muscle cell migration |
| (| 62 Liu | Xi-Qiu | |
| | CO. 1 | Clt. | |
| (| 63 Lorenz | Chris | Collective insertion behavior of influenza fusion peptides in model membranes |
| | | | Nanoparticle-assisted self-assembly of functional bio-interfaces: implications of sub-50 |
| ú | 64 Lundgren | Anders | nm molecular organization for some classical cell adhesion experiments |
| , | 04 Lunugien | Allucis | ini molecular organization for some classical cell aunesion experiments |



| Poster | | | |
|--------|------------------------|-------------|--|
| Number | Surname | Firstname | Poster Title |
| 6 | 55 Maiolo | Daniele | Tuning the protein composition of the nanoparticle corona |
| 6 | 66 Marie | Emmanuelle | Stimuli-responsive polymer coating for tunable cell adhesion |
| | | | Elaboration of biomimetic surfaces for a better control of mesenchymal stem cell |
| 6 | 57 Mauquoy | Sara | behavior |
| | | | Glycosaminoglycan-presenting surfaces to study lymphocyte trafficking during immune |
| 6 | 88 Migliorini | Elisa | response. |
| | | | |
| 6 | 9 Millan | Christopher | Use of Schiff Base Linkages for Engineering Cell-Cell and Cell-Tissue Interactions |
| | | | Surface treatment of stent surfaces affects differential blood activation and blood-cell |
| 7 | '0 Milleret | Vincent | attachment through protein mediated-mechanisms |
| | | | Combined effects of substrate elasticity and cell-adhesive coating on fibroblast adhesion |
| 7 | '1 Missirlis | Dimitris | and migration. |
| | | | Bending rigidity of charged membranes studied experimentally in aqueous solutions with |
| | ⁷ 2 Mitkova | Denitsa | low pH |
| | '3 Müller | Christina | Early cell adhesion on hydrogels with graded stiffness and ligand affinity |
| 7 | 74 Pace | Hudson | Developing Tools for Cellular Membrane Biophysics and Separations |
| | | | A direct method for measuring interactions between adhesion proteins that are laterally |
| 7 | 75 Parsons | Edward | mobile within model membranes. |
| 7 | 76 Patko | Daniel | Label-free optical sensor for monitoring biological particles |
| | | | Thin Films Biomaterials: Mechanical Properties, Biomolecular Adsorption and Cellular |
| 7 | 77 Pauthe | Emmanuel | Adhesion |
| | | | Insights Into the Mechanical Properties of Lipid Bilayers: the role of pressure, chain |
| | | | length, headgroup structure and protein insertion. |
| 7 | 78 Purushothaman | Sowmya | |
| | | | Optimization of Enzyme Multibiosensor System for Simultaneous Carbohydrates |
| 7 | '9 Pyeshkova | Viktoriya | Determination |
| | | | |
| 8 | 30 Rajendran | Prayanka | Direct oligonucleotide quantification using gold nanoparticles as high avidity nanosensors |



| Poster | | | |
|--------|-------------------|---------------------|---|
| Number | Surname | Firstname | Poster Title |
| | | | |
| 8 | 81 Ratera | Imma | 2D Microscale Engineering of Novel Protein based Nanoparticles for Cell Guidance |
| | | | In-situ measurement of biomolecular adsorption using combined Quartz Crystal |
| 8 | 82 Ray | Santanu | Microbalance (QCM) and Spectroscopic Ellipsometry (SE) and its application. |
| | | | |
| 8 | 83 Roach | Paul | Systematic Study of Neural Stem Cell and Precursor Response to Surface Properties |
| | | | Chemical Variations on Titanium Alloys: Merging Surface Chemistry and Drug Delivery for |
| 8 | 84 Rodríguez-Cano | Abraham | Improved Antibacterial Activity |
| | | | Chemical functionalization for Surface Plasmon Resonance Imaging of neural networks |
| 8 | 85 Sahaf | Houda | activity |
| | | | |
| 8 | 86 Schäfer | Andrea Iris | Transport of estrogens through synthetic membranes: an engineer's perspective |
| | | | Copper(II) binding to a histidine - containing chimera peptide: a single protein nanopore |
| 8 | 87 Schiopu | Irina | study |
| | | | Experimental approach to study the influence of cell architecture on cellular uptake of |
| 8 | 88 Schipanski | Angela | engineered nanomaterial |
| | | | |
| 8 | 89 Schoch | Rafael | Non-Interacting Molecules as Innate Structural Probes in Surface Plasmon Resonance |
| Ç | 90 Schönwälder | Sina Maria Siglinde | Protein adsorption on thin gelatin-based hydrogel films |
| | | | |
| g | 91 Simona | Benjamin | Coagulation at the Blood-Electrode Interface: The Role of Fibrinogen Desorption |
| | | | Oligoguluronate induced competitive displacement of alginate-mucin interactions by |
| g | 92 Stokke | Bjørn Torger | direct determination of deadhesion work. |
| Ç | 93 Studer | Deborah | Coated gamma-PGA-Phe nanoparticles for siRNA delivery |
| | 94 Sugihara | Kaori | Lipid nanotubes and their biological applications |
| | | | Platform for Surface-Mediated Drug Delivery Combined with Neurons Grown on Filter |
| 9 | 95 Tanno | Alexander | Paper: Towards the Realization of an Artificial Synapse |
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| Poster | | | |
|-----------------|-----------------|-----------|--|
| Number | Surname | Firstname | Poster Title |
| | | | Design of biomimetic surfaces to interrogate the role of glycosaminoglycans in |
| 96 Thakar Dhruv | | Dhruv | chemokine-mediated myoblast migration |
| 97 | 97 Valat Anne | | Efficiency of matrix-bound delivery of BMP-2 for osteogenic differentiation |
| | | | Supramolecular chemistry-based manipulation of endothelial cell migration to improve |
| 98 | 3 Van Roosmalen | Wies | vascular stent re-endothelialization |
| 99 | 9 Van Weerd | Jasper | Biomaterial supported lipid bilayer: Towards tunable cell interfaces |
| | | | A force generating living polymer acting on lipid surfaces: experiments and theory to |
| 100 |) Velez | Marisela | understand how it works |
| | | | Peptides as biomimetic templates for insulin amyloid aggregates formation on |
| 103 | L Vendrely | Charlotte | hydrophobic surfaces |
| | | | Neuroprosthetic epidural electrical stimulator to regain motor control after spinal cord |
| 102 | 2 Vörös | Janos | injury |
| | | | A Recombinant Human IgM that Promotes Neurite Outgrowth Binds to Gangliosides in |
| 103 | 3 Wittenberg | Nathan | Supported Lipid Bilayers |
| | | | Ultrathin films of artificial FG repeat domains – a gateway for understanding the |
| 104 | 1 Zahn | Raphael | importance of electrostatic interactions in nuclear transport. |