



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>1</u>	Abdel-Hafez	Salma	Chitosan nanoparticles production: End of the debate
<u>2</u>	Almodovar	Jorge	Cellular response on matrix-bound growth factor gradients and stiffness gradients generated on polyelectrolyte multilayer films
<u>3</u>	Alvarez De Eulate	Eva	Protein detection and identification via electrochemistry at liquid – liquid interfaces
<u>4</u>	Badique	Florent	Mechanism of cancerous cells deformation on micropillared surfaces
<u>5</u>	Baghdadli	Nawel	On the understanding of the chemical nature of cosmetic biointerfaces
<u>6</u>	Bally	Marta	Recognition of cellular membranes by viruses: the role of cell-surface sugars probed with artificial membranes
<u>7</u>	Bankar	Ashok	Green Synthesis of Cr ₂ O ₃ Nanoparticles by Using Marine Yeast
<u>8</u>	Bano	Fouzia	Controlling and modulating ssDNA-Au interactions at the single-molecule level
<u>9</u>	Beales	Paul	Investigating nanomaterial – biomembrane interactions using giant unilamellar vesicles as model systems
<u>10</u>	Biggs	Mark	Molecular-level understanding of protein adsorption at the interface between water and solid surfaces
<u>11</u>	Bunker	Alex	The surface of a PEGylated liposome in the bloodstream, what can molecular dynamics simulation tell us?
<u>12</u>	Carlred	Louise	Imaging of lipids and amyloid beta plaques in mouse brain tissue using liposomes and time-of-flight secondary ion mass spectrometry
<u>13</u>	Chalbi	Myriam	Role of sperm protein Izumo in gamete adhesion
<u>14</u>	Chen	Xinyue	Quantitative reflection interference contrast microscopy on substrates with multi-layered coatings – a novel tool for the characterization of soft interfaces
<u>15</u>	Chiappini	Ciro	Interfacing biodegradable porous silicon nanoneedles with cells
<u>16</u>	Dahlin	Andreas B.	Polymer-Functionalized Nanopores with Electrical and Optical Sensing Mechanisms



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>17</u>	De Lange	Victoria	In forward and reverse: combining two microarray styles to pattern proteins in three-dimensions
<u>18</u>	Demko	Laszlo	Towards a fully flexible system for studying hybrid networks with controlled topology
<u>19</u>	Desai	Vibhuti	Directing cell adhesion using a naturally sticky protein, Ranaspumin2
<u>20</u>	Diaz Ventura	Leire	Mimicking the protein-carbohydrate interaction on the cell surface: creation of sugar nanocluster arrays to study their (multivalent) interaction with lectin proteins
<u>21</u>	Dielacher	Bernd	Metal nanowires at the solid-liquid interface – A sensing platform combining optical and electrical detection
<u>22</u>	Dörig	Pablo	Studying cells and colloids with FluidFM
<u>23</u>	Dugan	James	Direct-write photochemical functionalisation of diamond-like-carbon for electronic neural interfaces
<u>24</u>	Eck	Elizabeth	Optical parameters of the tunable Bragg reflectors in squid
<u>104</u>	Ehret	Severin	Ultrathin films of artificial FG repeat domains – a gateway for understanding the importance of electrostatic interactions in nuclear transport Cohesiveness tunes assembly and morphology of FG nucleoporin domain meshworks – Implications for nuclear pore permeability
<u>25</u>	Eisele	Nico	
<u>26</u>	Ergene	Cansu	Antimicrobial properties of Boron Nitride (BN) coating on 316L grade steel
<u>27</u>	Faccio	Greta	Tyrosinase for protein immobilization
<u>28</u>	Fejerskov	Betina	Substrate mediated enzyme prodrug therapy
<u>29</u>	Fohlerová	Zdenka	Evaluation of anti-allergic effects using piezoelectric biosensor based on the exocytosis of RBL – 2H3 mast cells
<u>30</u>	Fraczek-Szczypta	Aneta	Interaction between carbon nanotubes and the muscle cells and tissue Localized surface plasmon resonance based sensing for pathogen detection
<u>31</u>	Gäeken	Kristian	
<u>32</u>	Gand	Adeline, Marie, Hélène	Fibronectin-based nanofilm biomaterials
<u>33</u>	Gilde	Flora	Biomimetic films as reservoirs for rhBMP-2



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>34</u>	Gonçalves	Sara	Bacterial Cellulose as a feasible cell carrier for Retinal Pigment Epithelium Cell Transplantation
<u>35</u>	Gregurec	Danijela	Relating the complexity of the phospholipid-titania interface to surface chemical and physical properties
<u>36</u>	Gupta	Swati	Selectivity in Platelet Activation by the Titania Surface
<u>37</u>	Halets	Inessa	The impact of modified Pamam and PPI dendrimers of 4th generation on aggregation of platelets
<u>38</u>	Hammad	Moamen	A high throughput strategy for studying protein pre-adsorption to materials developed for stem cell culture
<u>1</u>	Hathout	Rania	Chitosan nanoparticles production: End of the debate
<u>39</u>	Heath	George	AFM of supported lipid Bilayers: From Critical Point Behaviour to Actin Polymerization
<u>40</u>	Hernández Mejías	Sara	Self-assembly of designed repeat proteins into ordered monolayers and solution polymers
<u>41</u>	Hoffecker	Ian	Cell LEGO
<u>42</u>	Horvath	Robert	Label-free optical waveguide monitoring of biological films and living cells
<u>43</u>	Huet	Gilles	Study of antibodies adsorption to improve their orientation for diagnostic purpose
<u>44</u>	Iftemi	Sorana Elena	Single-channel investigation of trichogin GA IV activity in reconstituted planar lipid membranes
<u>45</u>	Iuster	Noa	The effect of cross-linking on the frictional behavior of polymer brushes
<u>46</u>	Jaatinen	Leena	The Effect of Electric Current on the Cell Adhesion Forces Quantified by Fluidic Force Microscopy
<u>47</u>	Jensen	Bettina Brøgger	Engineering intelligent biointerfaces using physical hydrogels based on poly(vinyl alcohol)
<u>48</u>	Jing	Yujia	Phase separated asymmetric supported lipid membranes
<u>49</u>	Junesch	Juliane	Biosensing using suspended plasmonic nanopores



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>50</u>	Ratera	Imma	2D Microscale Engineering of Novel Protein based Nanoparticles for Cell Guidance
<u>51</u>	Kamudzandu	Munyaradzi	Developing a neuronal circuitry in vitro: towards therapies for Huntington's disease
<u>52</u>	Kenesei	Kata	Detection of fluorescent nanoparticles in biological material by fluorescence spectrum analysis
<u>53</u>	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 of the protein layer
<u>54</u>	Kuforiji	Folashade	Nanopore arrays for improved sensitivity and biological analysis
<u>55</u>	Kumar	Shailabh	Fabrication of multilayered assembly for FGF-2 delivery
<u>56</u>	Kumorek	Marta	A combined QCM-D and light microscopy instrument for cell studies
<u>57</u>	Kunze	Angelika	The nuclear pore assembly: more physics than biology
<u>58</u>	Kuvichkin	Vasily	A new biosensor for the detection of low molecular weight compounds based on immobilized aptamer conformational change transduction: a QCM-D and SPR study
<u>59</u>	Labbé	Pierre	LAMMPS program development for the molecular simulation of protein-surface interactions
<u>60</u>	Latour	Robert	Delivery of the chemokine SDF-1 α from polyelectrolyte multilayer films: control of muscle cell migration
<u>61</u>	Liu	Xi-Qiu	Collective insertion behavior of influenza fusion peptides in model membranes
<u>62</u>	Lorenz	Chris	Nanoparticle-assisted self-assembly of functional bio-interfaces: implications of sub-50 nm molecular organization for some classical cell adhesion experiments
<u>63</u>	Lundgren	Anders	Tuning the protein composition of the nanoparticle corona
<u>64</u>	Maiolo	Daniele	Mimicking early events during osseointegration of titanium implants in vitro
<u>65</u>	Maniura	Katharina	Stimuli-responsive polymer coating for tunable cell adhesion
<u>66</u>	Marie	Emmanuelle	



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>67</u>	Mauquoy	Sara	Elaboration of biomimetic surfaces for a better control of mesenchymal stem cell behavior
<u>68</u>	Migliorini	Elisa	Glycosaminoglycan-presenting surfaces to study lymphocyte trafficking during immune response
<u>69</u>	Millan	Christopher	Use of schiff base linkages for engineering cell-cell and cell-tissue interactions
<u>70</u>	Milleret	Vincent	Surface treatment of stent surfaces affects differential blood activation and blood-cell attachment through protein mediated-mechanisms
<u>71</u>	Missirlis	Dimitris	Combined effects of substrate elasticity and cell-adhesive coating on fibroblast adhesion and migration
<u>72</u>	Mitkova	Denitsa	Bending rigidity of charged membranes studied experimentally in aqueous solutions with low pH
<u>73</u>	Müller	Christina	Early cell adhesion on hydrogels with graded stiffness and ligand affinity
<u>74</u>	Pace	Hudson	Developing tools for cellular membrane biophysics and separations
<u>75</u>	Parsons	Edward	A direct method for measuring interactions between adhesion proteins that are laterally mobile within model membranes
<u>76</u>	Patko	Daniel	Label-free optical sensor for monitoring biological particles
<u>77</u>	Pauthe	Emmanuel	Thin films biomaterials: mechanical properties, biomolecular adsorption and cellular adhesion
<u>78</u>	Purushothaman	Sowmya	Insights Into the Mechanical Properties of Lipid Bilayers: the role of pressure, chain length, headgroup structure and protein insertion
<u>79</u>	Pyeshkova	Viktoriya	Optimization of Enzyme Multibiosensor System for Simultaneous Carbohydrates Determination
<u>80</u>	Rajendran	Prayanka	Direct oligonucleotide quantification using gold nanoparticles as high avidity nanosensors
<u>81</u>	Ray	Santanu	In-situ measurement of biomolecular adsorption using combined Quartz Crystal Microbalance (QCM) and Spectroscopic Ellipsometry (SE) and its application



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>82</u>	Roach	Paul	Systematic study of neural stem cell and precursor response to surface properties
<u>83</u>	Rodríguez-Cano	Abraham	Chemical Variations on Titanium Alloys: Merging Surface Chemistry and Drug Delivery for Improved Antibacterial Activity
<u>84</u>	Sahaf	Houda	Chemical functionalization for Surface Plasmon Resonance Imaging of neural networks activity
<u>85</u>	Schäfer	Andrea Iris	Transport of estrogens through synthetic membranes: an engineer's perspective
<u>86</u>	Schiopu	Irina	Copper(II) binding to a histidine - containing chimera peptide: a single protein nanopore study
<u>87</u>	Schipanski	Angela	Experimental approach to study the influence of cell architecture on cellular uptake of engineered nanomaterial
<u>88</u>	Schoch	Rafael	Non-Interacting Molecules as Innate Structural Probes in Surface Plasmon Resonance
<u>89</u>	Schönwälder	Sina Maria Siglinde	Protein adsorption on thin gelatin-based hydrogel films
<u>90</u>	Simona	Benjamin	Coagulation at the Blood-Electrode interface: the role of fibrinogen desorption
<u>91</u>	Sinner	Eva-Kathrin	Cell-free synthesis of the Toll-Like-Receptor for the development of a bacterial detection system
<u>92</u>	Stokke	Bjørn Torger	Oligoguluronate induced competitive displacement of alginate-mucin interactions by direct determination of deadhesion work
<u>93</u>	Studer	Deborah	Coated gamma-PGA-Phe nanoparticles for siRNA delivery
<u>94</u>	Sugihara	Kaori	Lipid nanotubes and their biological applications
<u>95</u>	Tanno	Alexander	Platform for Surface-Mediated Drug Delivery Combined with Neurons Grown on Filter Paper: Towards the Realization of an Artificial Synapse
<u>96</u>	Thakar	Dhruv	Design of biomimetic surfaces to interrogate the role of glycosaminoglycans in chemokine-induced myoblast behaviour
<u>97</u>	Valat	Anne	Efficiency of matrix-bound delivery of BMP-2 for osteogenic differentiation



LIST OF ACCEPTED POSTERS

Poster Number	Surname	Firstname	Poster Title
<u>98</u>	Van Roosmalen	Wies	Supramolecular chemistry-based manipulation of endothelial cell migration to improve vascular stent re-endothelialization
<u>99</u>	Van Weerd	Jasper	Biomaterial supported lipid bilayer: Towards tunable cell interfaces
<u>100</u>	Velez	Marisela	A force generating living polymer acting on lipid surfaces: experiments and theory to understand how it works
<u>101</u>	Vendrely	Charlotte	Peptides as biomimetic templates for insulin amyloid aggregates formation on hydrophobic surfaces
<u>102</u>	Vörös	Janos	Neuroprosthetic epidural electrical stimulator to regain motor control after spinal cord injury
<u>103</u>	Wittenberg	Nathan	A Recombinant Human IgM that Promotes Neurite Outgrowth Binds to Gangliosides in Supported Lipid Bilayers
<u>104</u>	Zahn	Raphael	Ultrathin films of artificial FG repeat domains – a gateway for understanding the importance of electrostatic interactions in nuclear transport