

Poster Session II

Thursday, September 7, 2017, 18:15-19:45

P23 Valeria Cassina, Italy

Effects of cytosine methylation on DNA morphology: An atomic force microscopy study

P24 Luying Feng, Turkey

Electromagnetic AFM Force-Clamp Setup Using a Software-Based Controller

P25 Maria Manuela Bras, Portugal

Biomechanics: a Biomarker for Melanoma Diagnosis?

P26 Katarzyna Herman, Poland

Quantitative Characterization of the Specific Interactions of Syndecans–Vitronectin Complexes by means of Dynamic Force Spectroscopy

P27 Sandrine Hubert, Belgium

AFM-based single molecule force spectroscopy on bimolecular hybrid DNA/RNA G-quadruplexes

P28 Tomasz Kobiela, Poland

Proinflammatory effect of anandamide on keratinocytes treated with different cytokine

P29 Ruslan N. Kryukov, Russia

Change in the morphometric parameters of blood erythrocytes under FeO·Fe₂O₃ condition estimated by atomic-force microscopy

P30 Minhee Ku, Republic of Korea

Probing the Nanoscale biophysics for MT1-MMP-expressing metastatic cancer cells

P31 Sławomir Kulesza, Poland

Study on resistance of human nail plates against chemical degradation

P32 Bin Li, China

Location Effect on Formation of Biotin–Streptavidin Complexes on DNA Origami Revealed by Time-Lapse Atomic Force Microscopy

P33 Maricela Rodriguez, Mexico

Visco-elastic properties of HT-29 under treatment with lactobacillus by atomic force microscopy

P34 Natalia Martín-González, Spain

Understanding the Adenovirus Mechanics with Atomic Force Microscopy

P35 Melissa Căzilie Piontek, The Netherlands

Mechanical Properties of extracellular vesicles

P36 Piotr Pieczywek, Poland

The structural characterization of sodium carbonate soluble fraction of pectin (DASP) extracted from plant cell walls

P37 Piotr Deptuła, Poland

Mechanical properties of Bacillus subtilis cells upon ceragenins treatment

P38 Grażyna Pyka-Foćciak, Poland

The spinal cord elasticity in EAE model assessed by atomic force microscopy

P39 Leonardo Ruiz-Ortega, UK

Microcontact printing of proteins for surface potential mapping by KPFM

P40 Victoria Sergunova, Russia

Problems of AFM measurements of native blood cells membranes Young's modulus and interpretation of the results

P41 Anna Sobiepanek, Poland

Theranostics of malignant melanoma with anandamide by QCM-D measurements

P42 Joanna Zemła, Poland

Nano-mechanical properties of biopsied bronchial tissues as a marker in obstructive lung diseases

P43 Xingfei Zhou, China

The Effect of Copper Ions on the Aggregation of hIAPP(11-28)