

7th Multifrequency AFM Conference Poster Session

1	<p style="text-align: center;">Protein Hydrogels to Examine Emergent Mechanical Properties of Striated Muscle Carla Huerta-López <i>Spanish National Centre for Cardiovascular Research (CNIC), Spain</i></p>
2	<p style="text-align: center;">Nanoscale Mallison-Halbach Effect based on Thin Film Multilayers with interfacial DMI Marcos Penedo <i>Empa, Swiss Federal Laboratories for Materials Science and Technology, Switzerland</i></p>
3	<p style="text-align: center;">Bottom-effect viscoelastic theory for force spectroscopy measurements on single cells Pablo D. Garcia <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i></p>
4	<p style="text-align: center;">Ultra-fast HS-AFM to unveil the multiform and multi timescale action of Daptomycin Francesca Zuttion <i>Université Aix-Marseille, France</i></p>
5	<p style="text-align: center;">Capillary condensation as Geometric Origin: Kelvin-Tolman equation Seongsoo Kim <i>Seoul National University, Republic of Korea</i></p>
6	<p style="text-align: center;">Measuring Tolman length of water through capillary condensation Dohyun Kim <i>Seoul National University, Republic of Korea</i></p>
7	<p style="text-align: center;">3D Depth Profiling of the Interaction Between an AFM Tip and Fluid Polymer Solutions Martin Dehnert <i>Technische Universität Chemnitz, Germany</i></p>
8	<p style="text-align: center;">Semi-quantitative de-convolution of the measured interphase in particle-matrix polymer nanocomposites Matthew D. Eaton <i>Northwestern University, USA</i></p>
9	<p style="text-align: center;">Dealing with Electrical Feedthrough in Active AFM Microcantilevers S. O. Reza Moheimani <i>The University of Texas at Dallas, USA</i></p>
10	<p style="text-align: center;">A simulation of a cracked atomic force microscope microcantilever utilizing the transfer matrix method Mohammad Abbasi <i>Islamic Azad University, Shahrood, Iran</i></p>
11	<p style="text-align: center;">Multifrequency AFM Reveals Physiologically Relevant Viscoelastic Properties For Plant Development Jacob Seifert <i>University of Oxford Physics, UK</i></p>
12	<p style="text-align: center;">Identification Of Human Immunodeficiency Virus Type 1 (Hiv-1) Based Virus-Like Particles By Multifrequency Atomic Force Microscopy Neus Domingo <i>Catalan Institute of Nanoscience and Nanotechnology (ICN2), Spain Centro Superior de Investigaciones Científicas (CSIC), Spain Barcelona Institute of Science and Technology, Spain</i></p>
13	<p style="text-align: center;">Native Redox Posttranslational Modifications As Regulators Of Titin Mechanical Properties Elías Herrero-Galán <i>Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Spain</i></p>
14	<p style="text-align: center;">Nanomechanical phenotypes in Hypertrophic Cardiomyopathy C. Suay-Corredera <i>Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Spain</i></p>
15	<p style="text-align: center;">Multifrequency AFM Contrast of Chemical Groups on Differently Terminated SAMs. A. Verdager <i>Catalan Institute of Nanoscience and Nanotechnology (ICN2), Spain Centro Superior de Investigaciones Científicas (CSIC), Spain Barcelona Institute of Science and Technology, Spain</i></p>

16	<p>A broad frequency chirp-based nanoindentation technique for viscoelastic measurements in tissue engineering A.R. Piacenti <i>University of Oxford, UK</i></p>
17	<p>High-speed System Based Demodulation in Multifrequency Atomic Force Microscopy David M. Harcombe <i>The University of Newcastle, Australia</i></p>
18	<p>Electric polarization properties of bacterial polar flagella measured by electrostatic force microscopy H. Lozano <i>Institut de Bioenginyeria de Catalunya (IBEC), Spain</i></p>
19	<p>Bimodal AFM for Multidimensional investigation of surface property Chia-Yun Lai <i>Masdar Institute of Science and Technology, United Arab Emirates</i></p>
20	<p>Harmonic analysis of the local piezoresponse in ferroelectric ceramics of PZT A. Mohammadi <i>Universitat Politècnica de Catalunya, Spain</i></p>
21	<p>Analyzing multifrequency AFM data with machine learning techniques Daniel Forchheimer <i>Royal Institute of Technology (KTH), Sweden</i></p>
22	<p>Cholesterol modulates viscoelasticity in lipid membranes Zeinab Al-Rekabi <i>University of Oxford, Oxford</i></p>
23	<p>Activity of Viscoelastic Regimes for Polymers Driven by Piecewise Exerted Forces Horacio V. Guzman <i>Max Planck Institute for Polymer Research, Germany</i></p>
24	<p>Fast Current-Voltage Spectroscopic Mapping in SPM using Bayesian Inference Rama Vasudevan <i>Oak Ridge National Laboratory, USA</i></p>
25	<p>AM-FM AFM Quantitative Mapping of Mechano-electrical Coupling in Collagen I Casey Adam <i>University of Oxford, UK</i></p>
26	<p>Noncontact Friction via Capillary Shear Interaction in Ambient Condition Manhee Lee <i>Chungbuk National University, Korea</i></p>
27	<p><i>In situ</i> observation of the pH-dependent dis- and reassembly process of ferritin nanoparticles by atomic force microscopy Lukas Stühn <i>Technische Universität Darmstadt, Germany</i></p>
28	<p>Breaking the time barrier in Kelvin Probe force microscopy by Fast free force (F3R) reconstruction based on the G-Mode approach Liam Collins <i>Oak Ridge National Laboratory, USA</i></p>
29	<p>MFM imaging of skyrmions at room temperature Eider Berganza <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i></p>
30	<p>Bimodal AM-FM mapping of long range forces in magnetic samples Victor G. Gisbert <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i></p>
31	<p>Bimodal AM-FM nanomechanical mapping of block copolymers Simone Benaglia <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i></p>
32	<p>Live Cell Nanomechanical Imaging with T-Shaped Cantilevers Youngkyu Kim <i>Columbia University, USA</i></p>
33	<p>Multifrequency AFM on Viscoelastic Polymer Samples with Surface Forces - A Computational Approach Bahram Rajabifar <i>Purdue University, USA</i></p>