

7th Multifrequency AFM Conference Poster Session

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

16	A broad frequency chirp-based nanoindentation technique for viscoelastic measurements in tissue engineering A.R. Piacenti <i>University of Oxford, UK</i>
17	High-speed System Based Demodulation in Multifrequency Atomic Force Microscopy David M. Harcombe <i>The University of Newcastle, Australia</i>
18	Electric polarization properties of bacterial polar flagella measured by electrostatic force microscopy H. Lozano <i>Institut de Bioenginyeria de Catalunya (IBEC), Spain</i>
19	Bimodal AFM for Multidimensional investigation of surface property Chia-Yun Lai <i>Masdar Institute of Science and Technology, United Arab Emirates</i>
20	Harmonic analysis of the local piezoresponse in ferroelectric ceramics of PZT A. Mohammadi <i>Universitat Politècnica de Catalunya, Spain</i>
21	Analyzing multifrequency AFM data with machine learning techniques Daniel Forchheimer <i>Royal Institute of Technology (KTH), Sweden</i>
22	Cholesterol modulates viscoelasticity in lipid membranes Zeinab Al-Rekabi <i>University of Oxford, Oxford</i>
23	Activity of Viscoelastic Regimes for Polymers Driven by Piecewise Exerted Forces Horacio V. Guzman <i>Max Planck Institute for Polymer Research, Germany</i>
24	Fast Current-Voltage Spectroscopic Mapping in SPM using Bayesian Inference Rama Vasudevan <i>Oak Ridge National Laboratory, USA</i>
25	AM-FM AFM Quantitative Mapping of Mechanoelectrical Coupling in Collagen I Casey Adam <i>University of Oxford, UK</i>
26	Noncontact Friction via Capillary Shear Interaction in Ambient Condition Manhee Lee <i>Chungbuk National University, Korea</i>
27	<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>
28	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>
29	MFM imaging of skyrmions at room temperature Eider Berganza <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i>
30	Bimodal AM-FM mapping of long range forces in magnetic samples Victor G. Gisbert <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i>
31	Bimodal AM-FM nanomechanical mapping of block copolymers Simone Benaglia <i>Consejo Superior de Investigaciones Científicas (CSIC) Spain</i>