



INTERNATIONAL CONFERENCE

Nanotech ITALY 2015

Cross-Cutting KETs for Responsible Innovation

BOLOGNA, 25-27 NOVEMBER 2015

Program



CONFERENCE VENUE
 CNR Bologna Research Area
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INTERNATIONAL CONFERENCE

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CONFERENCE OVERVIEW

WEDNESDAY
25th November
2015

THURSDAY
26th November
2015

FRIDAY
27th November
2015

MORNING

9.30 HALL 105
Opening Remarks

10.00 HALL 105
Plenary Lectures

9.00 HALL 215
Healthcare - Smart Treatments

9.00 HALL 105
Materials & Graphene -
Based Innovation (1)

9.15 HALL 216
WORKSHOP
Bioinspired Soft Robotics

9.00 HALL 105
Cultural Heritage

9.00 HALL 215
Food Packaging

11.30 HALL 215
Bio-inspired and
Bio-based Technologies

11.30 HALL 216
Anti-counterfeiting
& Security Applications

9.15 HALL 216
WORKSHOP
Nanoscale Metrology

AFTERNOON

13.45 HALL 105
Smart Manufacturing

16.15 HALL 105
Soft Robotics

13.45 HALL 215
Aerospace Related Applications

13.45 HALL 216
WORKSHOP
H2020 Opportunities

16.15 HALL 216
WORKSHOP
Smart Hybrid Devices

14.00 HALL 215
Healthcare-Biophotonics
& Medical Devices

14.00 HALL 105
Materials & Graphene
Based Innovation (2)

14.00 HALL 216
WORKSHOP
NanoSafety

16.15 HALL 216
WORKSHOP
Safe Working

14.30 HALL 105
Side Events
SPAZIO... AI GIOVANI, E NON SOLO!
Engaging in Science & Technology

POSTER SESSION

- Smart Manufacturing & Soft Robotics
- Aerospace Related Applications
- Healthcare
- Materials & Graphene -Based Innovation
- Horizontal Issues (EHS, Metrology)

- Healthcare
- Materials & Graphene -Based Innovation
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- Bio-inspired and Bio-based Technologies
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- Food Packaging
- Materials & Graphene-based Innovation
- Horizontal Issues (EHS, Metrology)

BROKERAGE EVENT (Thursday 26th, 10.00-17.30)



NANOTECHITALY 2015

POSTER PROGRAM

CONFERENCE POSTER SESSIONS:

Smart Manufacturing & Soft Robotics	2
Healthcare and Medical Devices	3
Materials & Graphene-Based Innovation	6
Cultural Heritage	10
Bio-Inspired and Bio-Based Technologies	11
Horizontal issues: Environment, Health and Safety (EHS)	12
Horizontal issues: Metrology	13

POSTER SESSION

Wednesday 25th, Thursday 26th

Smart Manufacturing & Soft Robotics

SMART_MAN_P1	DANIELE BUCCI. GILBERTO ROMBOLI	Nanolever Srl	Elastic Capacitive Device Force Measurement Accuracy
SMART_MAN_P2	CRISTIAN COLLINI	Bruno Kessler Foundation, Center for Materials and Microsystems	Development of Microfabrication Technologies Enabling the Realization of Memristor-Based Devices and Building Blocks for Logic Circuits.
SMART_MAN_P3	SHOUBHIK GUPTA	Bruno Kessler Foundation	Analytical Device Modelling of Piezoelectric Oxide Semiconductor Field Effect Transistor
SMART_MAN_P4	ALESSIA NICOSIA	Institute of Atmospheric Sciences and Climate (ISAC-CNR)	NANO-fibrous Membranes of Cellulose Acetate for Efficient Air Purifiers

POSTER SESSION

Wednesday 25th , Thursday 26th

Healthcare and Medical Devices

HEALTH_MD_P1	ORESTIS ANTONOGLOU	Aristotle University of Thessaloniki, Department of Chemistry, Greece	MHetero-nanoclusters of CuO@ CoFe ₂ O ₄ as Dual Mode T1-T2 Contrast Agents.
HEALTH_MD_P2	CAMILLA BERGONZI, ROSSELLA DORATI	University of Pavia, Dept. Drug Sciences and The Italian Network of Pharmaceutical Nanotechnology and Nanomedicine	Biodegradable Nanoparticles for Drug Delivery and Targeting
HEALTH_MD_P3	PAOLO BLASI	University of Camerino and Nanopharmanet – The Italian Network of Pharmaceutical Nanotechnology and Nanomedicine	Solid Lipid Nanoparticles (SLN) for Drug Delivery
HEALTH_MD_P4	ELISABETTA BOTTARO*	University of Ferrara, Department of Life Sciences and Biotechnology	Polymeric Micelles for Co-delivery of Drugs: Production by Microfluidics
HEALTH_MD_P5	ELISA CASTAGNOLA, DAVIDE RICCI	Istituto Italiano di Tecnologia IIT	Integrating Nanostructured PEDOT-CNT Microelectrodes into the Brain Tissue via Hydrogels and Biological Interfaces
HEALTH_MD_P6	PAOLO CIAMBELLI	University of Salerno, Department of Industrial Engineering and Centre NANO_MATES	PEG Functionalization of Magnetic Nanoparticles for Drug Delivery
HEALTH_MD_P7	VALENTINA COLAPICCHIONI *	Center for Life Nano Science@Sapienza, Istituto Italiano di Tecnologia - ITT	Synthesis, Characterization and Validation in Vitro of an Innovative Theranostic Nanoplatform
HEALTH_MD_P8	FABIANA COLI, FRANCESCO GIAMMANCO	Plasma Diagnostics and Technologies SrL	Silver Nanoparticles: Cytotoxic Effects and Bactericidal Effectiveness
HEALTH_MD_P9	EMANUELA COVA	IRCCS Policlinico San Matteo Pavia	Targeting Fibroblastoid-like Cells by Drug Loaded Engineered Gold Nanoparticles as Novel Approach for ILD-Ssc Treatment
HEALTH_MD_P10	ROBERTA CURIA	University of Milano-Bicocca, Department of Materials Science	Electron Microscopy Investigation of the Toxicological Threat of Nanoparticles Derived from Bacterial Biodestruction of Polyurethane Prostheses
HEALTH_MD_P11	GIUSEPPE D'AVENIO, MAURO GRIGIONI	Technology and Health Department, Istituto Superiore di Sanità	Addressing the Risk Assessment of Medical Devices Containing Nanostrucutred Materials
HEALTH_MD_P12	GIUSEPPE D'AVENIO, MAURO GRIGIONI	Technology and Health Department, Istituto Superiore di Sanità	Milestones in Nanomedicine: Challenges and Limitations of Liposomal Drug Delivery

POSTER SESSION

Wednesday 25th, Thursday 26th

Healthcare and Medical Devices

HEALTH_MD_P13	GIUSEPPE DE ROSA	University of Naples, Dept. Pharmacy and Nanopharmanet - The Italian Network of Pharmaceutical Nanotechnology and Nanomedicine	Self-Assembling Nanoparticles for Drug Delivery
HEALTH_MD_P14	GIUSEPPE DE ROSA	University of Torino and NanoPharmaNet -The Italian Network of Pharmaceutical Nanotechnology and Nanomedicine	Liposomes and Lipid Vesicles in Drug Delivery
HEALTH_MD_P15	C. DENDRINOUSAMARA	Aristotle University of Thessaloniki. Greece	Smart Ferrite Nanoparticles for Biomedical Applications
HEALTH_MD_P16	SIBILLA R. DOLCI	University of Milano, Veterinary Doctor	An Investigation on the Vitreous for Development of Bio-Based Materials
HEALTH_MD_P17	EBRU ERDAL	Aksaray University, Turkey	Comparison of Magnetosome And HSACoated Iron Oxide Nanoparticles as MRI Contrast Enhancing Agent
HEALTH_MD_P18	IDA GENTA, ENRICA CHIESA	University of Pavia, Department of Drug Sciences	Fine Size Tuning of PLGA Nanoparticles by Microfluidic Nanoprecipitation
HEALTH_MD_P20	LIDIETTA GIORNO*	Institute on Membrane Technology, National Research Council, ITM-CNR	Nanofabrication of Biofunctional Particles by Membrane Emulsification Technology
HEALTH_MD_P21	MARIA ROSARIA MARINOZZI	University of Verona, Department of Neurological and Movement Sciences	Hyperthermic Superparamagnetic Nanoparticles Modulate Adipocyte Metabolism
HEALTH_MD_P22	ANDREA MITI, GIAMPAOLO ZUCCHERI	University of Bologna, Department of Pharmacy and Biotechnology	Molecular Self-Assembly for Signal Enhancement in Nucleic Acids Biosensors for Pathogens or Circ-Mirna
HEALTH_MD_P23	PIERFRANCESCO MORGANTI	MAVI SUD, Nanoscience Centre	Green Nanotechnology Bioeconomy Serving. Part 1. Innovative Beauty Masks Made by Green Nanocomposites
HEALTH_MD_P24	JANE POLITI	National Research Council - IMM-CNR - and University of Napoli Federico II, Chemistry Department	Hybrid Polymeric Microneedles and Porous Silicon Based Device for Biosensing and Therapeutic Applications
HEALTH_MD_P25	ANDREA RASPADORI	Laboratory of Prion Biology, International School for Advanced Studies -SISSA	Conformational Equilibria of the Prion Protein Characterized by Single-Molecule Force Spectroscopy

POSTER SESSION

Wednesday 25th, Thursday 26th

Healthcare and Medical Devices

HEALTH_MD_P26	MASSIMO RINALDI	Warrant Group SrL	POSEIDON: Plasmonic-based Automated Lab-on-chip Sensor for the Rapid in Situ Detection of LegiONella
HEALTH_MD_P27	FLAVIO RIZZOLIO*	National Cancer Institute, Department of Translation Research, CRO - IRCSS	Exosomal Encapsulation of Doxorubicin Reduces the Cardiac Toxicity of Mice
HEALTH_MD_P28	KOSMAS VAMVAKIDIS	Aristotle University of Thessaloniki, Department of Chemistry, Greece	Colloidal Bi-magnetic Nanoclusters as Candidate Agents for Magnetic Hyperthermia and MRI
HEALTH_MD_P29	LIVIA VISAI, NORA BLOISE	University of Pavia, Department of Molecular Medicine, Udr INSTM, and Centre of Health Technologies (CHT)	Development and Biological Characterization of Polymeric Micro- or Nanofibrous Scaffolds for Skeletal Muscle Tissue Engineering Applications
HEALTH_MD_P30	JITENDRA WANKAR, ILSE MANET	National Research Council, ISOF-CNR, Bologna	Nanocarriers for the Delivery of Antimicrobial Agents to Fight Resistance Mechanisms
HEALTH_MD_P31	GIAMPAOLO ZUCCHERI	University of Bologna, Department of Pharmacy and Biotechnology	Self-Assembled Functional DNA Nanostructures As Intracellular Biosensors In Single Live Human Cells

POSTER SESSION

Wednesday 25th, Thursday 26th, Friday 27th

Materials & Graphene-Based Innovation

MAT_GRAPH_P1	VALENTINA BEGHETTO, L. AGOSTINIS	Crossing S.r.l.	Innovative Technology for the Treatment of Collagen and Leather
MAT_GRAPH_P2	UMBERTO ANSELMI- TAMBURINI	University of Pavia	An All-solution Simple and Inexpensive Approach to the Synthesis of Extended ZnO Nanorod Networks
MAT_GRAPH_P3	ANTONIO ARENA	DICAM - Centro Ceramico Bologna	Nanostructured Alumina Produced by Slip Casting/Pressure Slip Casting for Dental Applications
MAT_GRAPH_P4	EMIR BAKI DENKBAS	Gazi University, Polatlı Art and Science Faculty, Biology Department, Turkey	Bio Production of Silver Nanoparticles Using Gypsophila Eriocalyx Plant Extract and Evaluation of their Anti Microbial Activities
MAT_GRAPH_P5	CSABA BALAZSI	Bay Zoltan Nonprofit Ltd for Applied Research, Hungary	Si ₃ N ₄ / Graphene Based Composites: Structure and Properties
MAT_GRAPH_P6	RUBEN BARTALI	Bruno Kessler Foundation	Hydrogen Work of Adhesion on Graphene Decorated by Plasma Sputtering
MAT_GRAPH_P7	DAVIDE CASOTTI	University of Modena and Reggio Emilia, Department of Physics, Mathematics and Informatics	Aging of Transparent and Conductive Nb-doped Anatase TiO ₂ Thin Films
MAT_GRAPH_P8	SATYANANDA CHABUNGBAM*	Michigan Technological University, Department of Physics, USA	Charge Transfer and Bandgap Tuning in Polyaniline/TiO ₂ Hybrid Structures from First Principles
MAT_GRAPH_P9	WOJCIECH CIESIELSKI, DAMIAN KULAWIK*	Institute of Chemistry, Environmental Protection and Biotechnology, Jan Dlugosz University in Czestochowa, Poland	Carbon nanotubes functionalized by salts containing stereogenic heteroatoms as electrodes in their battery cells
MAT_GRAPH_P10	PATRIZIA CINELLI	University of Pisa, Department of Civil and Industrial Engineering and INSTM	Effect of Different Nucleating Agents on Crystallization and Properties of PLA
MAT_GRAPH_P11	DIANA CAROLINA COELLO FIALLOS	University of Calabria, Surface Nanoscience Group, Department of Physics	Study of Adsorption of Basic Dyes from Aqueous Solutions onto Natural Zeolite from Ecuador
MAT_GRAPH_P12	MARIA GRAZIA DE ANGELIS	University of Bologna - DICAM	Membranes Based on Polymers and Graphene, Graphene Oxide Nanoplatelets for Gas Separation and CO ₂ Capture

POSTER SESSION

Wednesday 25th, Thursday 26th, Friday 27th

Materials & Graphene-Based Innovation

MAT_GRAPH_P13	ALBERTO DONELLI	AMA Composites S.r.l.	AEROPAN: Prefabricated Flexible Nanoporous Aerogel Based Panel with Superior Performance for Building Insulation
MAT_GRAPH_P14	FRANCESCO ENRICH	Heliv SrL	HELIV: Light in Transparency
MAT_GRAPH_P15	DAVIDE ERCOLE	Seconda Università degli Studi di Napoli - DIII	Laminar Forced Convection with Nanofluids in Triangular Cross Section Microchannels
MAT_GRAPH_P16	MATTEO FALASCONI, SILVIA ZAMBELLI	Warrant Group Srl	NEWSPEC: New Cost-Effective and Sustainable Polyethylene Based Carbon Fibres for Volume Market Applications
MAT_GRAPH_P17	HAYATI FILIK	Istanbul University, Faculty of Engineering, Department of Chemistry, Turkey	Determination of Tetracycline on the Surface of a High Performance Disposable Graphene Modified Screen-Printed Carbon Electrode in Milk and Honey Samples
MAT_GRAPH_P18	JACOPO FRIGERIO	Polytechnic of Milano - Como site, Department of Physic	Plasmonic Germanium Antennas on Silicon for Mid-infrared Sensing
MAT_GRAPH_P19	ANDREA GAIARDO	University of Ferrara, Department of Physics and Earth Science	Silicon Carbide: an High Selectivity Functional Material for Chemoresistive Gas Sensing Field
MAT_GRAPH_P20	PIETRO GALIZIA, CARMEN GALASSI	National Research Council (CNR) - Institute of Science and Technology for Ceramics (ISTEC)	Electrophoretic Deposition of Bilayer Composite Films Based on Cofe2o4 and Nb-Doped PZT
MAT_GRAPH_P21	CINZIA IACONO	Warrant Group Srl	Employment of High-Frequency Electro-Magnetic Technologies for Competitive Processing of Ceramic Matrix Composites and Graphite Expansion
MAT_GRAPH_P22	NATIA JALAGONIA	Ilia Vekua Sokhumi Institute of Physics and Technology, Georgia	Graphene Structure Containing Pressing Powdery Composites Based on Alumina
MAT_GRAPH_P23	MARZIYEH KHATIBZADEH	Amirkabir University of Technology, Department of Polymer Engineering and Color Technology, Iran	A Review on the Conductive Silver Nanoparticles Ink in Printed Electronic Devices
MAT_GRAPH_P24	SILVIA LAMPIS	University of Verona	Selenite Biotransformation by Stenotrophomonas Maltophilia SeITEo2: New Insights on the Route to Bacterial Biogenesis of Selenium Nanoparticles and their Promising Antimicrobial Activity

POSTER SESSION

Wednesday 25th, Thursday 26th, Friday 27th

Materials & Graphene-Based Innovation

MAT_GRAPH_P25	JULIEN LOPEZ, MARTA KOCUN	Asylum Research an Oxford Instruments Company, UK	Quantitative Modulus Mapping of Polymer Thin Films Using Tapping Mode
MAT_GRAPH_P26	VIVIANA MAFFEIS	Istituto Italiano di Tecnologia	Highly Surface Functionalized Carbon Nano- ions for Bright Light Bioimaging
MAT_GRAPH_P27	ADRIANA MIGNANI	Industrial Chemistry Toso Montanari Department of Bologna University	Gold Nanoparticles-Decorated Fluoroalkylsilane Assemblies for Electrocatalytic Applications
MAT_GRAPH_P28	VITTORIO MORANDI	National Research Council CNR - IMM Bologna	Transparent Conducting Graphene Electrodes for Photovoltaic Applications
MAT_GRAPH_P29	FABIOLA PANTÒ, PATRIZIA FRONTERA	Mediterranean University of Reggio Calabria, DICEAM	Hematite Microstructures for Ethanol Detection
MAT_GRAPH_P30	STEFANO PRATO	A.P.E. Research	ESN-STM - Electron Spin Noise Scanning Tunnelling Microscopy
MAT_GRAPH_P31	MINA SAGHAEI	Department of Polymer Engineering and Color Technology, Amirkabir University of Technology, Iran	Curing Behavior-Mechanical Properties of (Styrene Butadiene Rubber/ Reduced Graphene Oxide) Nanocomposite Prepared by Pickering Micro Emulsion Method
MAT_GRAPH_P32	SAVERIA SANTANGELO	Mediterranean University of Reggio Calabria, Dept. of Civil, Energy, Environmental and Materials Engineering	Electro-spun Graphene-Enriched Co ₃ O ₄ - Fibre Mats to be Used as Binder-Free Anode Materials in Lithium Ion Batteries
MAT_GRAPH_P33	RASOUL SARRAF- MAMOORY	Tarbiat Modares University, Faculty of Engineering and Technology, Iran	Effect Of TTIP Precursor Concentration on Structural Properties of Nanostructured Tin- decorated 3D-Graphene
MAT_GRAPH_P34	ELISABETTA SERPINI	University of Modena and Reggio Emilia, Department of Physics, Mathematics and Informatics and National Research Council (CNR - NANO)	Nanostructured Self Lubricating Coatings: Basic and Applied Research Activities at Sup&rman Laboratory
MAT_GRAPH_P35	HAFEEZ ULLAH	University of Trento, Department of Physics	Decoration of Graphite nanoplatelets with Nb ₂ O ₅ Deposited by Radio Frequency Sputtering
MAT_GRAPH_P36	ANATOLII USTINOV	E.O.Paton Electric Welding Institute of NASU	New Possibilities for Solid-phase Joining of Difficult-to-weld Aircraft Materials Using Nanolayered foils

POSTER SESSION

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Materials & Graphene-Based Innovation

MAT_GRAPH_P37	ISELLA VICINI	Warrant Group Srl	Carbon-Fibre Technology Cluster
MAT_GRAPH_P38	ISELLA VICINI, ELENA MELOTTI	Warrant Group S.r.l.	EFEVE: Development of a New High Performance Material to Make Super Strong and Lightweight Components
MAT_GRAPH_P39	SILVIA VILLA	University of Genoa, Department of Chemistry and Industrial Chemistry	Magnetic Nanoparticles for Biosensors, Catalysts and High Density Permanent Magnets
MAT_GRAPH_P40	TAYFUN VURAL	Hacettepe University, Turkey	Determination of Antimony with Voltammetry by Using PANI-PNT Modified Pencil Graphite Electrode
MAT_GRAPH_P41	ROLAND WEINHÄUPL	EV Group Europe; Asia Pacific GmbH	Next Level Industrialization of Nanoimprint Lithography
MAT_GRAPH_P42	VISSARION PAPADOPOULOS	Institute of Structural Analysis and AntiSismic Research, National Technical University of Athens, Greece	High-end material analysis, simulation and design with Materialize
MAT_GRAPH_P43	TAEYEON KIM	Korea Institute of Science and Technology Information, Korea	Identifying Emerging Nanotechnologies based on Highly Cited Papers

POSTER SESSION

Thursday 26th, Friday 27th

Cultural Heritage

CULT_HER_P1	MICHELE BAGLIONI	CSGI Consortium and Department of Chemistry, University of Florence	Cleaning of Water-sensitive Works of Art with Innovative Hydrogels Loaded with Amphiphile-Based Nanostructured Fluids
CULT_HER_P2	CHIARA BERLANGIERI	CSGI Consortium and Department of Chemistry, University of Florence	Assessment of Innovative Techniques for Restoration
CULT_HER_P3	EMILIANO CARRETTI	CSGI Consortium and Department of Chemistry, University of Florence	Supramolecular Systems Based on Polyvinyl Alcohol, Surfactants and Microemulsions: Properties and Applications for the Cleaning of Artistic/Architectural Heritage
CULT_HER_P4	DAVID CHELAZZI	CSGI Consortium and Department of Chemistry, University of Florence	Nanomaterials for the Cleaning and Ph Adjustment of Parchment and Leather
CULT_HER_P5	GABRIELLA DI CARLO, MARINO LAVORGNA	National Research Council, IPCB-CNR	Smart Coatings Based on Inorganic Nanocarriers for Corrosion Protection of Bronze Artefacts
CULT_HER_P6	RODORICO GIORGI	CSGI Consortium and Department of Chemistry, University of Florence	Stabilizer-free Nonpolar Dispersions for the Deacidification of Contemporary Art on Paper
CULT_HER_P7	VANESSA MUCCI	Warrant Group Srl	European Project NANO-CATHEDRAL: Nanomaterials for Conservation of European Architectural Heritage Developed by Research on Characteristic Lithotypes
CULT_HER_P8	ERICA ISABELLA PARISI	CSGI Consortium and Department of Chemistry, University of Florence	Development of Innovative Systems for Cleaning and Protection of Cu-based Metallic Artefacts
CULT_HER_P9	GIOVANNA POGGI	CSGI Consortium and Department of Chemistry, University of Florence	The GEOLNAN, a Combined Deacidification and Reinforcement Treatment for Manuscripts Featuring Iron and Metal Gall Inks

POSTER SESSION

Thursday 26th, Friday 27th

Bio-Inspired and Bio-Based Technologies

BIOBASED_P1	ARMINA ABBASI	Amirkabir University of Technology	Nanoemulsion of Neem Leaves Extract and its Antibacterial Activity
BIOBASED_P2	JALALI-ARANI AZAM	Department of Polymer Engineering and Color Technology, Amirkabir University of Technology, Iran	The Effect of Type of Nanoclay on Morphology and Mechanical Properties of (Natural Rubber/Starch/Nanoclay) Bio-Nanocomposite
BIOBASED_P3	KATYA CARBONE	Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA), Fruit Tree Research Centre	New Insights Into the World of Agri-food Wastes: Green Agents for Nanomaterial Green Synthesis
BIOBASED_P4	DANIA DELLA GIOVANNA	Federchimica	Suschem Italy
BIOBASED_P5	SARA DOLCI	Advanced Catalysts srl	Hydrogen as an Energetic Vector: New Nanostructured Rhodium Catalyst in Selective H ₂ Production via Bio-Ethanol Steam Reforming
BIOBASED_P6	EMMA FENUDE	National Research Council, DSCTM, ICB	Design, Synthesis, and Conformational Analysis of Secondary Structure Elements.
BIOBASED_P7	ALESSIA NICOSIA	National Research Council, Institute of Atmospheric Sciences and Climate (CNR-ISAC)	NANO-fibers of BIO-polymers Engineering for Air Filtration and Separation Technology
BIOBASED_P8	FRANCESCA PERUT	Laboratory for Orthopaedic Pathophysiology and Regenerative Medicine, Istituto Ortopedico Rizzoli, Bologna	Exosomes from Human Platelets are an Effective Nanodelivery System for Bone Regeneration
BIOBASED_P9	SAVERIA SANTANGELO	University Mediterranea, Department of Ingegneria Civile, dell'Energia, dell'Ambiente e dei Materiali (DICEAM)	Electro-Spun Hematite Fibrous Films as Photo-Anode for Water Splitting

POSTER SESSION

Wednesday 25th, Thursday 26th, Friday 27th

Horizontal issues: Environment, Health and Safety (EHS)

EHS_P1	FEDERICO BENETTI	Veneto Nanotech, European Center for the Sustainable Impact of Nanotechnology - ECSIN	Development Of An In Vitro Digestive Process Coupled With Intestinal-Like Epithelium Model For Nanomaterials Safety Evaluation
EHS_P2	SERENA CARBONE	Alma Mater Studiorum-University of Bologna, Department of Agricultural Sciences	Preliminary study on the effect of silver engineered nanoparticles (Ag-NPs) on <i>Folsomia candida</i> Willem
EHS_P3	DELIA CAVALLO, ANNA MARIA FRESEGNA	INAIL Research Area, Department of Occupational and Environmental Medicine, Epidemiology and Hygiene	Comparison of Cytotoxic and Genotoxic Effects of Carbon Nanotubes (CNTs) and Metal Oxide (MO) NPs in Human Alveolar Cells
EHS_P4	ISABELLA DE ANGELIS	Istituto Superiore di Sanità	Relevance of Barriers (Task 5.3): Set-up of Experimental Conditions for Nanoparticles Characterization and Barrier Crossing on Caco-2 Cell Model.
EHS_P5	ALESSANDRO MATTIELLO	University of Udine, Department of Agricultural and Environmental Sciences	Physical-chemical Characterization of CeO ₂ Nanoparticles before and after Interactions with Roots of Barley in Hydroponic Conditions
EHS_P6	CHRISTIAN MICHELETTI	Veneto Nanotech, European Center for the Sustainable Impact of Nanotechnology - ECSIN	Responsible Use of Nanomaterials in Nutraceuticals

POSTER SESSION

Wednesday 25th, Thursday 26th, Friday 27th

Horizontal issues: Metrology

METROLOGY_P1	LUCA BOARINO	Nanofacility, National Institute of Metrological Research (INRiM)	The EMRP project SIB61 CRYSTAL: Crystalline and Self-assembled Structures as Length Standards
METROLOGY_P2	INGO BUSCH	Physikalisch-Technische Bundesanstalt (PTB), Germany	Sub-Nanometre Standards for Step Height Measurements Based on Self-Assembled Silicon Surfaces
METROLOGY_P3	NATASCIA DE LEO	Nanofacility, National Institute of Metrological Research (INRiM)	Advanced 3D Chemical Metrology for Innovative Technologies: 3dmetchemit EMPIR Project
METROLOGY_P4	DARIO IMBRAGUGLIO	National Institute of Metrological Research (INRiM)	Chemical Imaging of Nanoscale Structures by Tip-Enhanced Raman Spectroscopy: Metrology and Reference Materials for Technology Transfer