



Wednesday, 11 December	
08:30	Welcome coffee and REGISTRATION
09:30	Opening of the Conference – Welcome <i>Prof. Filippo Maurizio Acciarri</i> - Univ. Milano Bicocca <i>Prof. Giovanna Iannantuoni</i> - Rector - Univ. Milano Bicocca <i>Prof. Lanfranco Masotti</i> - Consorzio Italbiotec <i>Prof. Nelson Marmiroli</i> - Consorzio Interuniversitario Nazionale per le Scienze Ambientali
10:00	Round Table “Nanotechnologies in Life Sciences and Technology” – “Nanotecnologie nelle Scienze della Vita e nelle Tecnologie”
	Round Table Director <i>Vittoriano Zanolli</i> , La Provincia di Cremona newspaper Speakers <i>Attilio Fontana</i> , Presidente Regione Lombardia <i>Flavia Barone</i> , Istituto Superiore Sanità <i>Mario Bonaccorso</i> , ASSOBIOTEC <i>Andrea Caneschi</i> , Direttore Consorzio INSTM <i>Dario Dalla Vedova</i> , CONI <i>Cristina Leone</i> , Gruppo Leonardo (Finmeccanica)
12:00	Lunch break
14:20	Introduction to Sessions A and B (Aula 1)
14:30	Plenary Lecture: Leo Miglio (<i>Univ. Milano Bicocca</i>) – From Science to Technology
Parallel Session 1A - “Nanotechnologies and nanomaterials in agriculture and food production” (in association with SIMBA H2020 project)	
15:10	Mini Plenary Lecture: Anne Pihlanto (<i>LUKE, Finland</i>) - Sustainable innovation of microbiome applications in the food system
15:40	<i>Silvia Tabacchioni</i> (<i>ENEA, Roma</i>) - Design of microbial consortia with plant growth-promoting activity for sustainable crop production
16:00	<i>Minna Kahala</i> (<i>LUKE, Finland</i>) - Microbial processing for nutritional enhancement of plant based products
16:20	<i>Anne-Maria Pajari</i> (<i>Univ. Helsinki, Finland</i>) - Sustainable foods and human gut microbiota
16:40	<i>Coffee break</i>
17:00	<i>Milena Stefanova</i> (<i>ENEA, Bologna</i>) - Sustainability Assessment and Potential Uptake of Innovations
17:20	<i>Riccardo Rossi</i> (<i>Univ. Parma</i>) - Effects of Copper Oxide nanomaterial on plant flowering: a transcriptomic and physiological approach to enable sustainable food production
17:35	<i>Gregorio Dal Sasso</i> (<i>CNR IC, Como</i>) - Nitrate-doped Biomimetic Calcium Phosphate Nanoparticles as N and P Slow-Release Nanofertilizers via Particle Dissolution
17:50	<i>Andrea Ciurli</i> (<i>Univ. Verona</i>) - FePO ₄ nanoparticles as a source of nutrients: effects on plant transcriptome and on soil microbial communities and functions
Parallel Session 2A - “New materials for nanotechnologies” (synthesis, testing, characterisation)	
15:10	Mini Plenary Lecture: Michele Iafisco (<i>CNR ISTECH, Faenza</i>) - Tailoring the chemistry of bioceramic nanoparticles for unconventional applications
15:40	<i>Valentina Palmieri</i> (<i>Univ. Catt, Sacro Cuore, Roma</i>) - Laser Patterning of Graphene Oxide induce bone regeneration
16:00	<i>Emanuele Longo</i> (<i>CNR IMM, Agrate Brianza</i>) - ALD growth of Co thin films on the topological insulator Sb ₂ Te ₃
16:20	<i>Tommaso Giovannini</i> (<i>NUST, Norway</i>) - A novel classical approach to optical properties of metal nanoparticles



16:40	Coffee break
17:00	Margaux Bouzin (Univ. Milano Bicocca) - Nanoparticles Localization in Tissues at Sub-Diffraction Level by Infrared Thermal Imaging
17:15	Artur Tuktamyshev (Univ. Milano Bicocca) - Telecom InAs QDs grown by Droplet Epitaxy on vicinal GaAs(111)A
17:30	Marcello Marelli (CNR SCITEC, Milano) - In-flow Synthesis of Multibranching Au/TiO ₂ Hybrid Nanosystem: Exploiting the Plasmonic Features for Catalytic Purposes
17:45	Anna Maria Ferretti (CNR SCITEC, Milano) - Synthesis, characterization and application of low band gap rod-coil block copolymer water-processable nanoparticles, synthesized by surfactant-free miniemulsion approach
18:00 18:30	Poster Session A

Thursday, 12 December

8:30	Plenary Lecture: Bengt Fadeel (Karolinska Inst., Sweden) - Nanotoxicology: focus on the impact of metal and metal oxide nanoparticles
Parallel Session 1B - "Nanotechnologies and nanomaterials for human and animal health" (pharmaceutical and medical applications)	
9:10	Mini Plenary Lecture: De Angelis (ISS, Roma) - Towards the Risk Governance of Nanotechnologies: the ISS Multidisciplinary Unit
9:40	Lucia Gemma Delogu (Univ. Padova) - Immune characterization of graphene-based materials for the design of new tools in biomedicine
10:00	Lucia Paolini (Univ. Brescia) - Exploiting blood nanoparticles for augmented pathogenesis identification
10:20	Giordano Perini (Univ. Catt. Sacro Cuore, Roma) - Graphene Quantum Dots for the Treatment of Glioblastoma Multiforme
10:40	Coffee break
11:00	Arianna Rossetti (Polit. Milano) - Selective modulation of A1 astrocytes by drug-loaded nano-structured gels in spinal cord injury
11:15	Silvana Fiorito (CNR ITP, Roma) - Neuroprotective effect of Metallic Multi Walled Carbon Nanotubes
11:30	Eleonora Terreni (Univ. Pisa) - Mucoadhesive polymeric inserts containing Cyclosporine-A loaded nanomicelles for the treatment of dry eye syndrome: technological and biopharmaceutical characterization
11:45	Rossella Bengalli (Univ. Milano Bicocca) - In vitro toxicity of antibacterial metal oxide nanoparticles: effects on 2D and 3D skin and lung models
Parallel Session 2B - "Sensors from nanotechnologies and new nanomaterials"	
9:10	Mini Plenary Lecture: Nicola Coppedè (IMEM CNR, Parma) Integrated and distributed sensors for the IOT
9:40	Stefano Stassi (Polit. Torino) - Nanomechanical resonators from suspended DNA fibers for structural analysis
10:00	Daniele Moscheni (CNR IC, Como) - The Role of Advanced X-ray Scattering Techniques on Nanomaterials Characterization: A case study on CdSe-based Colloidal Quantum Dots
10:20	Laura Riva (Polit. Milano) - Aromatic Imides Functionalized Cellulose Nanosponges for Naked-Eye Heterogeneous Sensing of Fluoride



10:40	Coffee break
11:00	Lucia Ganzer (Polit. Milano) - Tailoring optical properties and stimulated emission in nanostructured polythiophene
11:15	Federico Polo (Univ. Ca' Foscari, Venezia) - Perspectives on Nanostructured Architectures for Biosensing Applications and New Analytical Tools: Toward Precision Medicine
11:30	Francesca Berini (Univ. Insubria) - Magnetic nanoconjugated glycopeptides as novel tools for bacterial infection site targeting
11:45	Cecilia Martini (ISOF CNR, Bologna) - Intercalation of Bioactive Molecules into Nanosized ZnAl Hydrotalcites for Combined Chemo and Photo Cancer Treatment
12:00 14:30	Lunch break and posters
14:30	Plenary Lecture: Davide Prosperi (Univ. Milano Bicocca) - Critical issues in the clinical translation of nanobiotechnology research and future directions of nanomedicine
Parallel Session 1C - "Nanotechnologies and nanomaterials for different environments" (risk assessment, monitoring and remediation)	
15:10	Mini Plenary Lecture: Om Parkash Dhankher (University of Massachusetts, USA) - Toxicity of Metal-Based Engineered Nanoparticles in Crops and Their Impact on Global Food Security and Safety
15:40	Massimiliano Bianchi (Univ. Parma) - Amorphous silica nanoparticles interfere with LPS-dependent metabolic changes in human macrophages
16:00	Davide Fissore (Polit. Torino) - Use of chitosan nanoparticle to vehicle dsRNAs against tomato spotted wilt virus in plants
16:20	Andrea Fiorati (Polit. Milano) - Eco-design of nanostructured cellulose sponges for sea-water decontamination from heavy metal ions
16:40	Coffee break
17:00	Stefano Rossi (Univ. Parma) - Direct effects of diesel exhaust particles on different cell lines as well as on in vivo rat heart: Euro III vs. Euro IV engines
17:15	Tiziana Silveti (CNR ISPA, Milano) - Chemo-enzymatic oxidation of plant galactomannans with laccase/TEMPO for production of renewable biomaterials, also as delivery systems
17:30	Stefania Federici (Univ. Brescia) - Reference Materials for Environmental Nanoplastic Pollution
17:45	Luca Pagano (Univ. Parma) - Maintenance and expression of organelle information in plants exposed to engineered nanomaterials
Parallel Session 2C - "New industrial processes and products based on nanotechnologies and nanomaterials" (including new energy sources)	
15:10	Mini Plenary Lecture: Agnieszka Mech (European Commission) – Regulatory aspects of nanomaterials issue: towards safe, sustainable and responsible innovation
15:40	Enrica Chiesa (Univ. Pavia) - Development of a rapid and low-cost microfluidic process enabling efficacious and specific CD44 targeted delivery by using HA-based nanoparticles
16:00	Matteo Zaffalon (Univ. Milano Bicocca) - Evidence for the Band-Edge Exciton of CuInS ₂ Nanocrystals Enables Record Efficient Large-Area Luminescent Solar Concentrators
16:20	Roberto Sorrentino (CNR SCITEC, Milano) - Nanoplatelets Light Emitting Diodes with tunable cathode and anode interfaces properties



16:40	Coffee break
17:00	Silvia Mostoni (Univ. Milano Bicocca) - Nanosized and single site zinc-based activators for reducing ZnO in rubber vulcanization process
17:15	Alberto Vomiero (Univ. Ca' Foscari Venezia) - Interfacial properties in composite nano-systems for energy harvesting
17:30	Jessica Gasparello (Univ. Ferrara) - Validation of a novel argininocalix[4]arene macrocycle as transfection agent for miRNA-mimicking and anti-miRNA molecules
17:45	Francesca Carella (CNR ISTECC, Faenza) - From food industry by-product to a novel UV filters production for sunscreen applications
18:00 18:30	Poster Session B

Friday, 13 December

8:30	Plenary Lecture: Arturo Keller (Univ. California, USA) - Elucidating crop plant response to engineered nanomaterials using metabolomics and proteomics <i>Chair Jason C. White (CAES, USA)</i>
Parallel Session 1D - "Nanotechnologies and nanomaterials to expand biotechnology and promote business" (industrial nanobiotechnology and marketing its products)	
9:10	Mini Plenary Lecture: Jason C. White (CAES, USA) - Nanotechnology in agriculture: Balancing applications and implications
9:40	Cristina Caffarra (Univ. Parma) A 3D bioprinted model for in vitro nanotoxicological investigation: preliminary studies
10:00	Denise Beconcini (Univ. Siena) Nanoparticles based on chitosan-derivatives as delivery systems for natural cherry extract polyphenols
10:20	Francesco Gentile (Univ. Federico II Napoli) Superclusters of neuronal cells on zinc oxide nanowires surfaces
10:40	Coffee break
11:00	Andrea Perrelli (Univ. Torino) Development of combinatorial targeted therapeutic strategies based on nanotechnology for Cerebral Cavernous Malformation disease treatment
11:15	Patrizia Cancemi (Univ. Palermo) Biogenerated Silver nanoparticles: promising antitumoral drugs for cancer therapy
11:30	Elena Bossi (Univ. Insubria) To cross or not to cross: some, but not all, metal nanoparticles enter cells by plasma membrane direct crossing
11:45	Valentina Gallo (Univ. Parma) - Protein responses in eukaryotic cells exposed to cadmium sulphide quantum dots
Parallel Session 2D - "Safer nanotechnologies and nanomaterials for the future" (planning, using, safe by design, marketing safer nanotechnologies)	
9:40	Parisa Fatehbasharzar (Univ. Torino) - Engineering Shape of Nanoparticle-Based Magnetic Resonance Imaging Contrast Agent
10:00	Valentina Bello (Univ. Pavia) - Micro-capillary refractive index sensor based on monitoring of T/R ratio spectral shift
10:20	Ruben Foresti (Univ. Parma) - 5D printing nano-laden scaffold for personalized medicine
10:40	Coffee break



11:00	Valerio Pinchetti (Univ. Milano Bicocca) - Dual emitting CdSe/CdS nanocrystals hosting core- and shell-based excitons for last-generation nanotechnologies and as platform for fundamental investigations
11:15	Vittoria Viganò (Univ. Insubria) - Nanomedicine: is there plenty of room for ethics?
11:30	Stefania Gottardo (JRC, Ispra) - Quality and completeness of physicochemical data for safety assessment of nanomaterials
11:45	Marcello Berto (Univ. Modena Reggio Emilia) - Carbon nanotubes/proteins hybrid for Organic Electronics
12:00	Mini Plenary Lecture: Luca Prodi (Univ. Bologna) - <i>Dye Doped Silica Nanoparticles as Organized Systems for Nanomedicine</i>
12:30	Lunch
12:30 14:00	Poster Session C
Job Day “Where Industry meets with researchers”	
14:00	Presentations from Companies of Nano sector - selected abstracts
14:00	Marek Atanascev (CzechTrade, Czech Republic) - Introduction
14:15	Luca Gentilucci (Univ. Bologna– Heidelberg Pharma GmbH) - Diagnostic and theranostic implementation of dye-loaded peptide-functionalized inorganic nanoparticles targeting integrin-expressing cells
14:25	Davide Segà (Univ. Verona– Fabbrica Cooperativa Perfosfati Cerea) - FePO ₄ nanoparticles produced by an industrially scalable continuous-flow method are an available form of P and Fe for cucumber and maize plants
14:35	Eride Quarta (Univ. Parma– PlumeStars srl) - Microparticles Embedding CaP Nanoparticles for Heart Targeting by Inhalation: Quality by Design Approach for Dry Powder Inhaler Composition
14:45	Silvia Pisani (Policlinico S. Matteo, Pavia – Polymerix Srl) - Release of IL-8 from BXPC-3 pancreatic tumor cells influenced by nanostructures
14:55	Filippo Vurro (CNR IMEM – Mutti SpA) - Addressing water scarcity in agriculture: the new frontiers of the in vivo monitoring in open field tomato cultivation
15:05	Alessandra Ronchi (Univ. Milano Bicocca– Glass to Power SpA) - Triplet fusion-based hybrid upconverters: achieving 100% triplet sensitization yield by charge-engineered semiconductor nanocrystals
15:15	Giuseppe De Giorgio (Univ. Parma) - Toxicological assessment of food-grade nanoparticles
15:30	Position Paper: <i>Update on the EFSA NanoGuidance – Francesco Cubadda (ISS, Roma) - Application of nanotechnologies in the agri-food sector: assessment of risks to human health</i>
15:50	Coffee break
16:00 18:00	Companies meet with young researchers Short presentations and face to face meetings Jeol (Italia) SpA, Gabriele Bulla – Living in the future: Innovation of electron microscopy Tec Star Srl, Alberto Borghi – Innovation by nanoparticles Assing SpA, Stefano Chiesa – The research partner NANO SENSOR SYSTEMS Srl, Giorgio Sberveglieri – EVOpi Srl, Enrico Luciano Appiani – Our evolution towards catalysis

Saturday, 14 December



Closing Ceremony	
9:00	Reporting on sessions from the Scientific Committee
10:30	Coffee break
11:00	Presentation from organizers Best poster and best oral presentations - Special Elsevier AWARDS Conclusion - Where we go from here, <i>Nelson Marmiroli (CINSA)</i> Conclusion – <i>Nelson Marmiroli, Lanfranco Masotti, Filippo Maurizio Acciarri</i>

POSTER SESSION A, December 11th

Topic: Life sciences	
A1.	Abruzzo Angela (University of Bologna). <i>Development of chitosan nanoparticles with mucoadhesive/mucopenetrating properties.</i>
A2.	Borzenkov Mykola (University of Milano-Bicocca). <i>Novel remotely photoactivated Prussian blue nanoparticles based antibacterial surfaces.</i>
A3.	Degola Francesca (University of Parma). <i>Nano-formulations of benzophenone and valerophenone thiosemicarbazones for aflatoxins containment and sclerotia suppression in the phytopathogen fungus <i>Aspergillus flavus</i>.</i>
A4.	Della Torre Camilla (University of Milan). <i>Interactions with natural biomolecules affect the ecotoxicity cerium oxide nanoparticles for aquatic biota.</i>
A5.	Fiandra Luisa (University of Milano-Bicocca). <i>Surface coating with polymeric shells is a valid strategy to reduce metal nanoparticles toxicity? Exemplary studies on alternative in vivo models.</i>
A6.	Floris Pamela (University of Milano-Bicocca). <i>Toxicity of nZn-CuO antibacterial coating on reverse osmosis membranes in zebrafish.</i>
A7.	Gallo Giuseppe (University of Palermo). <i>Biogenic silver-iron nanoparticles inhibit bacterial biofilm formation due to Ag⁺ ion release as determined by a novel phycoerythrin-based assay.</i>
A8.	Gazzurelli Cristina (University of Parma). <i>Lignin@Brochantite as green pesticides: a green approach for the development of bio-based plant protection products.</i>
A9.	Giordano Cristiana (CNR-IBE, Firenze). <i>Unconventional and sustainable nanovectors for phytohormone delivery in plants.</i>
A10.	Lizzi Daniel (Università degli Studi di Udine). <i>Particle size and concentration and size of nanoceria influence the ecology of <i>Holcus lanatus</i> L. and <i>Diplotaxis tenuifolia</i> L. DC.</i>
A11.	Mateu Ferrando Ruth (University of Milan). <i>Synthesis of sugar-based ligands to evaluate the protein-crown formation on gold nanoparticles surface.</i>
A12.	Menegazzo Federica (Ca' Foscari University of Venice). <i>Hi-tech cosmetics by biomass extracts: the use of nanotechnology as the bridge between sustainability and efficiency.</i>
A13.	Nigro Lara (University of Milan). <i>Coating of cerium oxide nanoparticles with natural molecules modifies the toxic effects towards <i>Mytilus galloprovincialis</i>.</i>
A14.	Villani Maurizio (CNR-ISMAR, Milano). <i>Antibacterial polyurethane-based composites: a comparison between different preparation methods.</i>
A15.	Zanoni Francesca (University of Verona). <i>Development and characterization of astaxanthin-containing whey protein-based nanoparticles.</i>

Topic: Physics Chemistry and Technology
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A16. De Soricellis Giulia (University of Milan). <i>New π-delocalized [Pt((N[^]C[^]N)Cl)] (N[^]C[^]N= 1,3-di(2-pyridyl)benzene) complexes with interesting luminescent properties.</i>
A17. Diterlizzi Marianna (University of Milano-Bicocca). <i>Polymer-based water-processable blend nanoparticles as a tool to improve OPV sustainability.</i>
A18. Faraone Gabriele (University of Milano-Bicocca; CNR-IMM, Agrate Brianza). <i>Determining the thickness of van der Waals crystals by Raman spectroscopy: the case of black phosphorus.</i>
A19. Feliciani Giovanni (University of Milano-Bicocca). <i>A comparison between Broadband Ferromagnetic Resonance techniques for the characterization of magnetic multilayers.</i>
A20. Grecchi Sara (University of Milan). <i>Innovative chiral materials and media for enantioselection in chiral electrochemistry and advanced applications in spintronics.</i>
A21. Milana Paola (University of Milano-Bicocca). <i>Effect of the structure of the zinc-based curing activator on the mechanical behavior of rubber nanocomposites.</i>
A22. Penconi Marta (CNR-SCITEC, Milano). <i>Self-doped polyelectrolytes for interfacial engineering in inverted organic solar cells.</i>
A23. Rispoli Francesco (University of Parma). <i>Functionalization of carbon nanotubes for nitroaromatic explosive detection.</i>
A24. Riva Laura (Politecnico di Milano). <i>Co-polymeric nanosponges synthesized from cellulose biomass for the heterogeneous catalysis of henry reaction.</i>
A25. Taglietti Fabiana (University of Milano-Bicocca). <i>Electrical characterization of nanoparticles random networks.</i>

POSTER SESSION B, December 12th

Topic: Life sciences
B1. Battistini Beatrice (Istituto Superiore di Sanità). <i>Exposure to metal nanoparticles through tattoo inks.</i>
B2. Condello Maria (Istituto Superiore di Sanità). <i>Nanomaterials toxicity and cell death modalities.</i>
B3. Coppedè Nicola (IMEM-CNR, Parma). <i>Super hydrophobic surface properties to enhance organic electrochemical transistor selectivity in early cancer detection.</i>
B4. Farruggia Giovanna (Alma Mater Studiorum University of Bologna). <i>NanoBerberine for alternative antitumor therapy.</i>
B5. Liberati Diego (CNR, Politecnico Milano). <i>Nanodrugs: dream, (next) future, or even coming reality?</i>
B6. Nicoletti Letizia (Politecnico di Torino). <i>Lipoplexes for miRNA delivery in myocardial regeneration.</i>
B7. Onesto Valentina (Italian Institute of Technology, Napoli). <i>Diffusion-limited aggregation models to simulate the self assembly of metal nanoparticles.</i>
B8. Orienti Isabella (Alma Mater Studiorum University of Bologna). <i>Fenretinide-nano-lipoplexes as new chemopreventive and non-toxic antitumor agents.</i>
B9. Papi Chiara (University of Ferrara). <i>Employment of an argininocalix[4]arene nanosystem for the efficient cell penetration and delivery of peptide nucleic acids.</i>
B10. Prota Valentina (Istituto Superiore di Sanità). <i>Caco-2 cell model for nanomaterial safety assessment: applications and future perspectives.</i>
B11. Prota Valentina (Istituto Superiore di Sanità). <i>Physico-chemical characterization of different formulations of nanopesticides.</i>
B12. Ricci Valentina (IMEM-CNR, Parma). <i>Nanoengineered smart containers for induced drug release.</i>
B13. Vurro Filippo (IMEM-CNR, Parma). <i>Bioristor: a new sensor to increase water use efficiency in crops and trees.</i>

Topic: Physics Chemistry and Technology



B14. Beccatelli Matteo (IMEM-CNR, Parma). <i>Textile wearable sensors for real-time health monitoring through sweat chemical analysis.</i>
B15. Beretta Sara (IMEM-CNR, Parma). <i>Growth, characterization and chemical functionalization of germanium nanowires: building blocks for explosive gas sensors.</i>
B16. Branzi Lorenzo (Ca' Foscari University of Venice). <i>Synthesis of niobate based nanomaterials for piezoelectric generators.</i>
B17. Caprioli Matteo (Politecnico di Torino). <i>DLP 3D-printed self-healing hydrogels.</i>
B18. Chiappone Annalisa (Politecnico di Torino). <i>DLP-3D printing of functional materials.</i>
B19. Gonzales Gustavo (Politecnico di Torino). <i>Three-Dimensional Printed Photoluminescent Polymeric Waveguides.</i>
B20. Lamberti Andrea (Politecnico di Torino). <i>Laser-induced 2D nanostructured materials for energy storage into supercapacitors.</i>
B21. Manfredi Riccardo (IMEM-CNR, Parma). <i>Study of the stability of textile bioelectronic sensor in smart devices.</i>
B22. Morengi Alberto (Nanocarbon Laboratory, DSMFI). <i>Study of Ni decorated Graphene based electrodes for Asymmetric Supercapacitors.</i>
B23. Romano Angelo (Politecnico di Torino). <i>Stimuli-responsive thiol-epoxy networks with photo-switchable bulk and surface properties.</i>
B24. Speranza Roberto (Politecnico di Torino). <i>Energy harvesting and storage system for indoor application.</i>
B25. Stanojev Jovana (BioSense Institute; Novi Sad, Serbia). <i>Development of layer-by-layer assembled MWCNT transparent thin film electrode.</i>
B26. Tullii Gabriele (SCITEC-CNR, Milano). <i>Efficient SERS-active platforms obtained from different fabrication routes.</i>

POSTER SESSION C, December 13th

Topic: Life sciences
C1. Armenia Ilaria (University of Zaragoza; Spain). <i>Responsible development of remotely controlled enzyme-nanoparticle systems (NANOZYMES).</i>
C2. Buglione Enrico (University of Milano-Bicocca). <i>Mechanical properties of chronic lymphocytic leukaemia cells.</i>
C3. Ducoli Serena (University of Brescia). <i>Understanding nanoplastics through the nanomaterials analysis.</i>
C4. Fogliano Chiara (University of Naples Federico II). <i>Nanoparticles modify embryonic genes expression in <i>Xenopus laevis</i>.</i>
C5. Fontana Rosa Maria (University of Palermo). <i>Synergistic activity of polyaminocyclodextrin-silver nanocomposites with ampicillin and apramycin antibiotics.</i>
C6. Ghezzi Benedetta (University of Parma). <i>Sub-micropillar spacing modulates the spatial arrangement of osteoblasts.</i>
C7. Kasemets Kaja (National Institute of Chemical Physics and Biophysics; Estonia). <i>Antimicrobial potency of Ag-chitosan nanocomposites against clinically relevant bacteria <i>Escherichia coli</i> and <i>Staphylococcus aureus</i>.</i>
C8. Lagonegro Paola (CNR-SCITEC, Milano). <i>Circular nanochemistry for nitrogen-doped carbon dots as promising material for biobased applications.</i>
C9. Magli Sofia (University of Milano-Bicocca). <i>Bioprintable hybrid ECM for cell modelling and bioengineering applications.</i>
C10. Mantegazza Francesco (University of Milano-Bicocca). <i>AFM single-molecule force spectroscopy of α-Synuclein structures.</i>
C11. Marabello Domenica (University of Turin). <i>Nanoparticles Based on sugars and alkaly-earth halogenides with second harmonic generation properties for applications as bio-sensors and for radiotherapy.</i>



C12. Marrano Claudia A. (University of Milano-Bicocca). <i>Depicting conformational ensembles of α-Synuclein by single molecule force spectroscopy and native mass spectroscopy.</i>
C13. Maurizi Eleonora (Azienda Ospedaliero-Universitaria di Parma). <i>Biodegradable nanoneedles for delivery of nucleic acids into the cornea.</i>
C14. Medeghini Barbara (Università Cattolica del Sacro Cuore di Piacenza). <i>Nanoparticles characterisation with spICP-QQQ.</i>
C15. Paesano Laura (University of Parma). <i>Nanoscale-specific effect of CdS quantum dots on human cells as measured by miRNA profiling.</i>
C16. Pignatelli Cataldo (University of Milano-Bicocca). <i>Multi-functionalized polymeric nanoparticles for pancreatic β-cells detection: developing novel multimodal in vivo imaging strategies.</i>
C17. Romano Miriam (University of Brescia). <i>Sialidase NEU3 is shuttled on the surface of biogenic small nanoparticles.</i>
C18. Rossi Riccardo (University of Parma). <i>CdS QDs affect gametogenesis in <i>Saccharomyces cerevisiae</i>.</i>
C19. Russo Laura (University of Milano-Bicocca). <i>Nanomaterials for tissue engineering and diagnostic applications: functionalization strategies and formulation opportunities.</i>
C20. Tiberio Federica (Università Cattolica del Sacro Cuore di Piacenza). <i>Novel stimuli-responsive nanocarriers for selected delivery of bioactive compounds in Craniosynostosis.</i>
C21. Vogli Megi (University of Parma). <i>Regulation of mRNA expression in cells treated with CdS quantum dots.</i>
C22. Zerboni Alessandra (University of Milano-Bicocca). <i>In vitro effects of ZnO and CuO NPs in mixture with DEP on A549 cells.</i>

Topic: Physics Chemistry and Technology
C23. Bossi Alberto (SCITEC-CNR, Milano). <i>From tailored molecules to advanced nanomaterials: the case porphyrins as active coatings for graphite electrodes surface protection.</i>
C24. Pinelli Filippo (Politecnico di Milano). <i>Chemoselective functionalization of nanogels for selective cell treatments.</i>
C25. Pizzetti Fabio (Politecnico di Milano). <i>Nanoparticles as stabilizers of bijel-like structure for controlled drug delivery applications.</i>
C26. Vivani Anna (University of Insubria). <i>Lead Halide Perovskite Nanoplatelets investigated by X-ray Total Scattering Methods.</i>

Dimensions for posters: portrait, 70x100 cm