

PROGRAM

Monday, September 23rd

	Science Communication Workshop Ottavia Bettucci – University of Milan Bicocca, SCI Group of Chemistry Culture Diffusion "Science Narratives: The art of storytelling in scientific presentations"	
10:15	OPENING	
10:45 Ma ant Ch	Aula Magna "La Ginestra" - Plenary Lecture (35+10min Q/A) Maria Duca - Université Côte d'Azur "Design of multifunctional conjugates for the targeting of non-coding RNAs: anticancer and antimicrobial applications" Chair: Deborah Quaglio	
He Ch Bel OR Ste Fee "Py bio An Na "Do scr a 3 lace Val "In acl 3D An An Ad Fee "Hy enl ele	ESSION 1A – Aula Magna "La Ginestra" – ealth hairs: Maria Dichiara, Alessandro ertucci RAL COMMUNICATIONS (10+2min Q/A) refania Carbone – University of Naples ederico II Pyro-electrohydrodynamic printing of omolecule microarrays" Intonella Miglione – University of aples Federico II Pevelopment of an enzyme-based ereen-printed biosensor integrated into 3D printed wearable device for sweat estate monitoring" Interia Garzarelli – University of Salento emproving Wound Healing assay: Enieving High Reproducibility through Deprinted Inserts and Automated Cell enalysis" Interia Raucci – University of Naples ederico II Edybridization chain reaction for electrochemical strip" Interia Bognanni – University of Catania Exclodextrin Suxibuzone Conjugates as oteasome activators"	Chairs: Margherita Brindisi, Valeria Tudino ORAL COMMUNICATIONS (10+2min Q/A) Bruno Casciaro – Sapienza University of Rome "Strategic amino acid substitutions in the primary structure of the antimicrobial peptide Esc(1-21) to modulate its biological properties" Antonio Lupia – University of Cagliari "The continued threat of emerging and reemerging flaviviruses: in-silico approaches applied to studying potential NS3 binders" Silvia Cammarone – Sapienza University of Rome "Discovery and development of diterpenebased inhibitors of ArnT-mediated colistin resistance" Alessia Onali – University of Cagliari "Rational identification of new STING agonists with broad-spectrum antiviral activity" Alessia Angelillo – University of Naples Federico II "Lipid self-assembling nanoparticles for the development of novel mRNA-based vaccines"



		SLAM (5min)	SLAM (5min)
		Marina Fava – Campus Bio-Medico University of Rome "N-acylethanolamines act in innate and adaptive immune cells as Proresolving and immunomodulatory agents" Giulia Cazzador – Ca' Foscari University of Venice "Sustainable Electroanalytical Platforms for the Continuous Monitoring of Chemical Parameters by Wearable Sensors" Wanda Cimmino – University of Naples Federico II	Chiara Ragusa – University of Catania "β-Cyclodextrin polymers to enhance the antibacterial activity of doxycycline and chloramphenicol" Giambattista Marotta – University of Florence "Biofilm-Directed Molecules to Overcome Antibiotic Resistance" Shaira Jane Acosta – University Rovira i Virgili "A magnetic bead-antibody bait for selecting aptamers against Mycobacterium tuberculosis secretory antigen ESAT-6/CFP-10 heterodimer for tuberculosis rapid test
		"Merging Electrochemical device and Deep Learning for Fabry Disease Diagnosis at the point of care"	development"
1	3:00	·	Poster Session
	4:00	SESSION 2A – Aula Magna "La Ginestra" – Natural Products & Food Chairs: Cinzia Ingallina, Concetta Di Natale ORAL COMMUNICATIONS (10+2min Q/A) Dario Savoca – University of Palermo "The analysis of contaminants of emerging concern and trace elements in Louisiana red swamp crayfish suggests its possible exploitation through sustainable applications" Donatella Ambroselli – Sapienza University of Rome "From safety to sustainability along the	SESSION 2B – Aula A – Smart Materials Chairs: Nina Bono, Giuseppe Domenico Arrabito ORAL COMMUNICATIONS (10+2min Q/A) Debora Santonocito – University of Catania "Diroximel fumarate loaded Solid Lipid Nanoparticles (DRF-SLN) as Potential Carriers for the Treatment of Multiple Sclerosis: Formulation Development and Optimization" Benedetta Brugnoli – Sapienza University of Rome "Polyesters blends nanoformulations for
		Chiara Spaggiari – University of Parma "Development and application of green sample preparation for non-targeted semi-quantitative metabolomics analysis of Melissa officinalis leaves" Fabrizio Masciulli – Sapienza University of Rome "Comprehensive characterisation of Taraxacum officinale phytochemical profile and neuroprotective properties"	usnic acid encapsulation" Donato Calabria – University of Bologna "A new chiral peroxidase-like activity guanosine self-assembled hydrogel biosensor based on circularly polarized chemiluminescence emission for H ₂ O ₂ detection and quantum computing"



		
	SLAM (5min)	SLAM (5min)
	Alessia Lanno – Mario Negri Institute for Pharmacological Research "Unveiling the dominant enantiomer of	Gianluca Ciarleglio – Sapienza University of Rome "pH-Responsive Multilayer Hydrogel Patches
	3MCPD esters using Indirect Mass Spectrometry approaches based on GC-	for Improved Burn Wound Healing"
	MS"	Maddalena Sguizzato – University of Ferrara "Hybrid microgels as novel delivery systems
	Marcello Messi – Sapienza University of Rome	for active compounds"
	"A multi-analytical approach to study oxidative stress in bees"	Sara La Manna – University of Naples Federico II "Paddlewheel diruthenium complexes versus amyloid-beta aggregation"
15:20	research" Chair: Stefano Cinti	ternative biomodels in translational cancer
15:50	Aula Magna "La Ginestra" - Sponsor Buchi (Alice Pedruzzi, Business Development Ma "Preparative HPLC and SFC Solutions Com	nager
16:00	Coff	ee Break
16:30	SESSION 3A – Aula Magna "La Ginestra" – Chemistry at the life science interface	SESSION 3B – Aula A – Cancer
	Chairs: Nunzia Iaccarino, Andrea Calcaterra ORAL COMMUNICATIONS (10+2min Q/A)	Chairs: Francesco Merlino, Veronica Ghini ORAL COMMUNICATIONS (10+2min Q/A)
	Antonino Nicolò Fallica – Institute for Bioengineering of Catalonia "Design, synthesis and biological evaluation of novel Plasmodium protein aggregation dyes with multistage	Ilaria D'Agostino – University of Pisa "Fighting glioblastoma through imidazo[1,2-α]pyridine-based selective ALDH1A3 inhibitors"
	antiplasmodial activity"	Sara Martino – University of Campania – "Luigi Vanvitelli"
	Anna Esposito – University of Naples Federico II "Mirror-image glycomimetics: synthesis, biological activity and therapeutic applications"	"Detecting microRNAs as Laryngeal Cancer biomarkers via SERS biosensor based on Electrospun Nanofibers decorated with in situ synthesized Gold Nanoparticles"
	SLAM (5min)	SLAM (5min)
	Valerio Baia – University of Naples Federico II "Sustainable Joullie'-Ugi and Continuous Flow Implementation Led to Novel Captopril-Inspired Broad-Spectrum Metallo Beta-Lactamase Inhibitors"	Carolina Persico – University of Naples Federico II "Enhancing the Sensitivity of A375MM Melanoma Cells to Canonical Anti- neoplastic Drugs through G-Quadruplex Binders"



		Daniela Benigno – University of Naples
	Andrea Pace – University of Bologna "Origami-Shaped Chemosensor for Portable Total Antioxidant Capacity (TAC) Assessment employing MOF-catalyzed Chemiluminescence"	Federico II "Structural and Biological Properties of Novel G4aptemer-drug Conjugates as a Vehicle for 5-fluoro-2'-deoxyuridine"
18:00	Guided Tour	

Tuesday, September 24th

	Aula Magna "La Ginestra" - Plenary Lecture	e (<u>35+10min Q/A)</u>
0.20	Manuela Teresa Raimondi – Polytechnic o	of Milan
9:30	"Organisms-on-a-chip"	
	Chair: Nina Bono	
10:15	SESSION 4A – Aula Magna "La Ginestra" –	SESSION 4B – Aula A – Health
	Natural Products & Food	
	Chairs: Andrea Calcaterra, Valeria Tudino	Chairs: Veronica Ghini, Chiara Borsari
	ORAL COMMUNICATIONS (10+2min Q/A)	ORAL COMMUNICATIONS (10+2min Q/A)
	Agnese Bondi – University of Ferrara	Sima Singh – University of Naples Federico I.
	"Curcumin and piperine loaded-	"Portable Electrochemical Sensor for
	ethosomes for the prevention of	Hydrogen Peroxide Detection for Assessing
	pollutant-induced skin damage"	Oxidative Stress in Disease Models"
	Valeria Vergine – Sapienza University of	Chiara Bacchella – University of Pavia
	Rome	"How R3τ drives metal-mediated oxidative
	"Multimethodological Approach for the	stress in AD"
	Assessment of Apple Samples in	
	Commercial Bio-Packaging"	Francesca Corsi – University of Pisa
		"Neuroprotection Activity of Different Novel
	Selene Fiori – University of Teramo	Epigenetic Modulators: A New Therapeutic
	"Biochar-based completely paper	Strategy in Retinitis Pigmentosa"
	sensors for bioactive compounds	
	determination in food industry by- products"	
11:00	Coffee Break	
11:30	SESSION 5A– Aula Magna "La Ginestra" –	SESSION 5B – Aula A – Cancer
	Molecular Interactions	
	Chairs: Maria Dichiara, Marco	Chairs: Michele Schlich, Francesco Merlino
	Mendolicchio	
	ORAL COMMUNICATIONS (10+2min Q/A)	ORAL COMMUNICATIONS (10+2min Q/A)
	Laura Pedraza González – University of	Riccardo Di Leo – University of Pisa
	Pisa	"Biocompatible nanovectors for treating
	"Multiscale simulations reveal key	prostate cancer"
	features of the ultrafast excited-state	



dynamics of Luteins in the major lightharvesting complex LHCII"

Lucia Santorelli – Telethon Institute of Genetics and Medicine (TIGEM) "Leveraging Cross-Linking Mass Spectrometry for Mapping Protein interactions at Plasma Membrane"

Giacomo Londi – University of Pisa "QM/MM modelling of a natural photoenzyme: structural and mechanistic insights in fatty acid photodecarboxylases"

Nicola Grasso – University of Naples Federico II

"Unveiling the interaction between DNA G-quadruplexes and an R/G-rich peptide"

Edoardo Donadoni – University of Milano-Bicocca

"The impact of polymer coating on nanoparticles interaction with lipid membranes explored by coarse-grained molecular dynamics simulations"

Elena Betti – *University of Pisa*"Computational simulations of energy transfer in a photosynthetic lightharvesting complex"

SLAM (5min)

Stefano Ciaco – *University of Siena* "BUG WARS: The rise of G-Quadruplex"

Gabriele Olivieri – Magnetic Resonance Center – CERM, University of Florence "Characterization of human calcium binding protein CIB2 in solution NMR" **Federica D'Aria** – University of Naples Federico II

"DNA G-quadruplex as target for anticancer therapeutics: stability and energetics of interaction with protein and drugs"

Riccardo Di Santo – *Link Campus University* of Rome

"Spectral Profiling of Extracellular Vesicles Using Mid-IR Spectroscopy and Plasmonic Nanostructures: Potential Applications in Cancer Detection"

Marianna Messina – University of Rome Niccolò Cusano

"Mucoadhesive electrospun systems for the oral cancer treatment"

Paola Varvarà – *University of Palermo* "Carbon Dots-poly(ethylene glycol)-folate conjugates for the targeted and NIR-triggered release of doxorubicin in the treatment of breast cancer"

Simone Fabbian – University of Padua "NMR analysis unveils the atomistic details of the oncogenic binding process between OSCP and IF1"

SLAM (5min)

Stefano Giuffrida – *University of Palermo* "Targeting olfactory receptors for the treatment of lymphoma with new [1,2]oxazole based small molecules"

Anna Giorgio – University of Padua "Design, synthesis and characterization of gold-peptide bioconjugates for integrin targeted therapy of high malignant cancers"

13:15	Lunch & Poster Session	
	Group Picture – 13:45	
	Aula Magna "La Ginestra" - Invited Speaker (20+5min Q/A)	
14:15	Tania Patiño Padial - Eindhoven University of Technology	
14:15	"Motile DNA-based nanorobots for nanomedicine"	
	Chair: Alessandro Bertucci	
14:45	Aula Magna "La Ginestra" – Sponsor Alfatest (10 min)	
	Fabio Perissinotto, Product Specialist	



	"Advanced solutions for the production of nanosystems and the characterization of biomedical devices"		
14:55	SESSION 6 – Aula Magna "La Ginestra" – Chemistry at the life science interface Chairs: Ilaria Piano, Concetta Di Natale ORAL COMMUNICATIONS (10+2min Q/A)		
	Lidia Ciccone – <i>University of Pisa</i> "Synthesis and in vitro study of new derivatives for transthyretin cardiac amyloidosis treatment"		
	Chiara Bisquoli – University of Ferrara "Surface Functionalization of Polyimide Based Intraneural Devices with Covalently Bonded Dexamethasone to Develop Innovative Drug Delivery Systems"		
	Alessia Cugudda – University of Naples Federico II "Peptidomimetics of SOCS1 and SOCS3 proteins: design and characterization"		
	Paolo Bollella – University of Bari Aldo Moro "Symmetric and Asymmetric Glucose/O ₂ enzymatic fuel cell: effects of electrode size on power output performance"		
	Erica Sanna – University of Cagliari "Application of synthetic approaches for discovering potential pan-hCoV NSP13 inhibitors"		
	SLAM (5 min)		
	Ida Boccino – University of Naples Federico II "Cyclic Antimicrobial Peptides Analogues of Temporin L: Design and Synthesis of Novel Guanidine-based Derivatives"		
	out for Type III CRISPR-Cas Systems: A Novel		
16:40	Coffee Break		
17:00	SESSION 7A – Aula Magna "La Ginestra" – Natural Products & Food Chairs: Giuseppe Domenico Arrabito,	SESSION 7B – Aula A – Health Chairs: Fabio Di Nardo, Monica Terracciano	
	Nunzia laccarino ORAL COMMUNICATIONS (10+2min Q/A)	ORAL COMMUNICATIONS (10+2min Q/A)	
	Chelly Meryam – University of Messina "Spirulina-derived phytochemicals for applications in optical and fluorescent sensing"	Ana Lia Bernardo Leonardi – University of Teramo "Novel methods on peptide-based cholesterol biosensing"	
	Giacomo Di Matteo – Sapienza University of Rome "Exploring Kombucha Fermentation Using NMR and HPLC-PDA Analysis"	Benedetta Niccolini – Catholic University of Sacred Heart "Spectral Examination of Blood Components in Diabetic Patients with	



Neuropathic Complications: Assessing the Diagnostic Potential of Extracellular Vesicles" **Angelo Tricase** – University of Bari Panagiota Kalligosfyri – University of "Boolean Logic Network based Biosensor Naples Federico II for Wine Adulteration Detection" "Enzyme-based electrochemical point-ofcare test towards liquid biopsy Azzurra Stefanucci – University of Chieti applications" "Lycopene extraction with α -pinene, Natural Volatile Deep Eutectic Solvent Giulia Siciliano – CNR-Nanotec Menthol-Thymol and Extra Virgin Olive Oil" "Development of innovative MIP based sensors for liquid biopsy" Filippo Silveri – University of Teramo "Stencil printed sensors on paper from algae wastes for bisphenol A determination in toxicological studies conducted on zebrafish embryo model" 20:00 Social Dinner

Wednesday, September 25th

9:30	Aula Magna "La Ginestra" - Plenary Lecture (35+10min O/A)
0.00	Luca De Stefano - Institute of Applied Sciences and Intelligent Systems of Naples,	
	National Research Council	ood and modificant dysterns of Mapitos,
	"Hydrogel-Plasmonic Nanocomposites: A Ve	ersatile Platform For Optical (Bio)sensing"
	Chair: Monica Terracciano	
10:15	SESSION 8A – Aula Magna "La Ginestra" – Health	SESSION 8B – Aula A – Cancer
	Chairs: Marco Mendolicchio, Francesca Ghirga	Chairs: Chiara Borsari, Gabriele Cianfoni
	ORAL COMMUNICATIONS (10+2min Q/A)	ORAL COMMUNICATIONS (10+2min Q/A)
	Elena Spezzani – University of Parma "Investigating Cell Receptor Targeting with Functional DNA Origami in Bio-Nano Systems"	Valeria Consoli – University of Catania "Novel snail-mucus-extract-coated gold- nanoparticles for potential skin cancer prevention and treatment"
	Andrea Celeste Di Pede – University of Rome Tor Vergata "Enhancing the specificity of CRISPR-based Sensing Platform via Triplex DNA Probe"	Lucrezia Cosottini – <i>University of Florence</i> "Bioconjugates of ferritin with Au(I) as anticancer agents"
	SLAM (5min)	SLAM (5min)
	Roberta Giorgione – Sapienza University of Rome	Lorenzo Toma – University of Parma "Fecal biomarker discovery by mass spectrometry-based proteomics: a



"Effect of air quality on oxidative stress and perspective towards non-invasive elemental levels in hair and urine of Italian colorectal cancer screening methods" and Chilean students" Rebecca Ferrisi – University of Milan Giuliana Greco – University of Catania "Molecular Cancer Imaging: Developing "Solid lipid nanoparticles encapsulating a Novel PET Radiotracers Targeting the benzoxanthene derivative modulate Human Epidermal Growth Factor Receptor angiogenic parameters and inflammation HER2" in VEGF-stimulated angiogenesis in a model of human blood-brain barrier" **Federica Curcio** – *University of Calabria* "Hybrid nanoparticles based on Cristina Oldani – Polytechnic of Milan mesoporous silica and functionalized "Real-time fluorescence tracking of the in biopolymers as drug carriers vitro degradation of a vascular graft" chemotherapeutic agents" 11:00 Coffee Break 11:30 SESSION 9A - Aula Magna "La Ginestra" -SESSION 9B - Aula A - Smart Materials Chemistry at the life science interface Chairs: Gabriella Costabile, Francesco Chairs: Chiara Borsari, Michele Schlich Merlino ORAL COMMUNICATIONS (10+2min Q/A) ORAL COMMUNICATIONS (10+2min Q/A) Silvia De Caro – University of Pavia Elide Zingale – University of Catania "SpyTag/SpyCatcher system: towards an "Engineering intravitreal implant artificial redox biocatalyst" combining microfluidics and 3D-printing techniques for synergistic delivery of Sirt1 Giuliana Costanzo – University of Catania agonists" "Synthesis and biological evaluation of novel σ1R ligands" Maria Grazia Nolli – University of Naples Federico II Lorenzo Quadrini - University of Florence "Carbohydrate-modified Hydrosilylated "Online monitoring of urea in wastewater Porous Silicon Nanoparticles via one-pot through biocatalytic electrochemical Passivation-Functionalization Chemical method" Strategy for Biomedical Applications" Andrea Capucciati - University of Pavia Fabio Pizzetti – Polytechnic of Milan "Melanins as bio-inspired photocatalysts "Biphasic Porous Structures Formed by Monomer/Water Interface Stabilization for reductive dehalogenations of α halogenated carbonyl compounds" with Colloidal Nanoparticles" **Neda Bagheri** – *University of Rome Tor* Zaheer Ud Din Babar – University of Naples Federico II Vergata "Laser scattering of gold nanoparticles-"CRISPR-Powered Real-Time Monitoring of decorated Ti3C2 MXene for enhanced DNA Glycosylase Activity Using Synthetic **DNA Translator**" optical biosensing" **Luca Pisano** – Sapienza University of **Anna Palma** – *University of Naples* Rome Federico II "Design of hypermodified NIR-responsive "Fabrication of Functionalized Polymeric Microneedles for biomedical applications" RNA conjugates for a spatio-temporal delivery of therapeutic oligonucleotides" Walter Pula - University of Ferrara



	Giuseppe Cosentino – University of	"Microfluidic Fabricated Liposomes for	
	Catania	Nutlin-3a Ocular Delivery"	
	"Discovery of Novel Piperidine Derivatives		
	as High Selective Sigma 1 Receptor	Carla Serri – University of Sassari	
	Ligands"	"Hyaluronic acid based-hybrid	
		nanoparticles for targeted nose-to-brain	
	Miryam Perrucci – University of Teramo "New challenges in bioanalytical field"	delivery of dimethyl fumarate"	
	, and the second	Sabrina Giordano – University of Naples Federico II	
		"Conjugation and Interaction Studies of	
		Thiol Peptide-based Hydrogels and Peptide	
		Nucleic Acids"	
13:30	Lui	l nch	
14:30	Aula Magna "La Ginestra" - Invited Speaker (20+5min Q/A) Quirin Hammer - Center for Infectious Medicine Karolinska Institutet of Stockholm "Peptide-based recognition of viruses by natural killer cells" Chair: Veronica Ghini		
15:00	SESSION 10 – Aula Magna "La Ginestra" – He	ealth	
	Chairs: Fabio Di Nardo, Ilaria Piano		
	ORAL COMMUNICATIONS (10+2min Q/A)		
	Maria Maddalena Calabretta – University of Bologna "Bioluminescence on-a-chip platform for multiplexed biosensing" Simone Cavalera – University of Turin		
	"Improving the sensitivity and the cost-effectiveness of a competitive visual lateral flow immunoassay through serial designs of experiments"		
	Alessia Distefano – University of Catania "Exploring Primaquine Derivatives and their Copper Complexes in Multifactorial Disease Contexts"		
	Valentina Preziosi – University of Naples Federico II "Assessing biomarkers in human blood by using organic electrochemical transistors" Alessandro Leuti – Campus Bio-Medico University of Rome "A game of lipid networks: the endocannabinoid anandamide activates pro-resolving pathways in human primary macrophages by engaging both CB2 and GPR18 receptors" Verdiana Marchianò – University of Bari Aldo Moro "A Multi-Use Conductive Ink Formulation for Enzyme-Based Flexible and Wearable Bioelectronics"		
	Denise Biagini – <i>University of Pisa</i> "Dried blood spot long-chain polyunsaturated fatty acids and Heart Failure disease		
16:45	Closing Remarks + Awards		



POSTER SESSION

P1: Carla Aliberti - University of Naples Federico II

"Probing the Effects of Chemical Modifications on Thrombin Binding Aptamer Biological Activity."

P2: Giuseppe Domenico Arrabito - University of Palermo

"ZnO-on-cellulose hybrids in action: from experimental design to bacterial decontamination."

P3: Maria Luisa Astolfi - Sapienza University of Rome

"Determination of essential and toxic elements in herbal teas"

P4: Chiara Battisegola - University of Naples Federico II

"Multiple drug-delivery strategies to enhance the pharmacological and toxicological properties of Mefenamic acid"

P5: Chiara Billi - University of Naples Federico II

"A New Biocompatible Butyric Acid-Releasing Glucosamine Derivative for Transdermal Delivery"

P6: Chiara Borsari - University of Milan

"Novel Opportunities to Fight Pancreatic and Prostate Cancer Exploiting 1,2,4-Oxadiazole-Bearing Compounds."

P7: Silvia Coinu - University of Sassari

"Design and synthesis of novel FGFR inhibitors for the treatment of glioblastoma."

P8: Martina D'Auria - University of Naples Federico II

"Novel PET hydrolases derived from thermophilic microorganisms."

P9: Francesco Della Valle - University of Teramo

"Oxysterols profile as marker of development stage in Zebrafish embryos."

P10: Eleonora D'Intino - Sapienza University of Rome

"A Multidisciplinary Approach to Design and Characterize Essential Oil-based Nanoemulsions with Antibacterial Activity."

P11: Giulia Forte - Campus Bio-Medico University of Rome

"Resolution of inflammation is impaired in primary human monocytes under microgravity."

P12: Alessia Galante - University of Pisa

"Effect of Crocus Sativus L. by product extracts in retinal in-vitro models of neurodegeneration."

P13: Gabriella Galizia - Fidia Farmaceutici Spa

"A new biotechnological industrial process developed for the production of hyaluronic acid in bacillus megaterium."

P14: Maria Claudia Gatto - University of Naples Federico II



"Omics approaches in bioremediation of potentially toxic elements: innovative solutions for protecting human health."

P15: Sultan Sacide Gelen - Ege University

"Electrodeposition of silver nanoparticles on carbon electrodes to prepare electrochemical immunosensors."

P16: Veronica Ghini - University of Florence

"NMR Detection Of The Cellular Effects Of Gold-Based Anticancer Compounds."

P17: Marialaura Giannaccari - University of Pavia

"Green synthesis of Prussian Blue Nanoparticles for multimodal therapy of breast cancer."

P18: Anna Guadagni - University of Naples Federico II

"Discovery of a New Potent and Selective Histone Deacetylase 6 Inhibitor for Triple Negative Breast Cancer Treatment."

P19: Belgüzar Karadağ - Ege University

"Electrochemical Immnosensor for the Determination of Serum Amyloid A (SAA) on Silica Nanoparticle Decorated Surfaces."

P20: Erika Lunetta - University of Rome Niccolò Cusano

"Surface functionalization of 3D-printed scaffolds with mucoadhesive properties."

P21: Marta Marchesini - Polytechnic of Milan

"Analyzing the impact of salt concentration on the DNA melting temperature."

P22: Maria Cristina Molaro - University of Naples Federico II

"A novel NO-donor doxorubicin prodrug able to overcome multidrug resistance."

P23: Cristina Oldani - Polytechnic of Milan

"Real-time fluorescence tracking of the in vitro degradation of a vascular graft."

P24: Beste Ozgumus Nitride - University of Naples Federico II

"Highly Specific N-Glycan Structure Monitoring using Signature Fragments."

P25: Emanuela Peluso - University of Pavia

"Multilayer of Prussian Blue Nanoparticles with photothermal antibacterial effect."

P26: **Isabella Piga** - *University of Cagliari*

"Spatial multiomics in thyroid oncology: from phospholipids to glycopeptides analysis with 6-aza-2-thiothymine MALDI matrix."

P27: Mariya Ryzhuk - Sapienza University of Rome

"Diterpenoids from Fabiana densa var. ramulosa as colistin adjuvants in treatment of Gramnegative bacteria infections."

P28: Derya Selcen Salmanoğlu - Ege University



"In vitro cytotoxicity of ibrutinib-loaded glycoconjugates based on mesoporous silica nanoparticles."

P29: Elena Sossich - Ca' Foscari University of Venice

"Enhancing Therapeutic Drug Monitoring with Aptamer- and Peptide-Based Biosensors."

P30: Jelle Verdonck - Catholic University of Leuven

"Unravelling the epigenetic mechanisms underlying the occupational carcinogenesis of hexavalent chromium."

ORGANIZING COMMITTEE

Deborah Quaglio (Local Chair) - Sapienza University of Rome

Andrea Calcaterra – Sapienza University of Rome

Gabriele Cianfoni - Sapienza University of Rome

Francesca Ghirga - Sapienza University of Rome

Cinzia Ingallina - Sapienza University of Rome

Fabrizio Vetica - Sapienza University of Rome

Stefano Cinti (Chair) - University of Naples Federico II

SCIENTIFIC COMMITTEE

Giuseppe Domenico Arrabito - University of Palermo

Alessandro Bertucci - University of Parma

Nina Bono - Polytechnic of Milan

Chiara Borsari - University of Milan

Margherita Brindisi - University of Naples Federico II

Andrea Calcaterra - Sapienza University of Rome

Gabriella Costabile - University of Naples Federico II

Fabio Di Nardo - University of Torino

Concetta Di Natale - University of Naples Federico II

Maria Dichiara - University of Siena

Veronica Ghini - University of Florence

Francesca Ghirga - Sapienza University of Rome

Nunzia laccarino - University of Naples Federico II

Cinzia Ingallina - Sapienza University of Rome



Marco Mendolicchio - Scuola Normale Superiore

Francesco Merlino - University of Naples Federico II

Ilaria Piano - University of Pisa

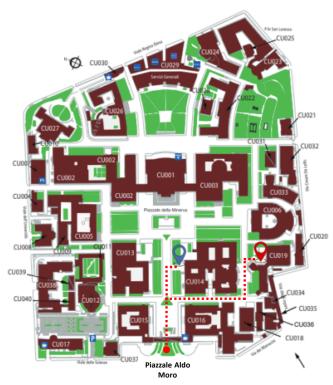
Deborah Quaglio - Sapienza University of Rome

Michele Schlich - University of Cagliari

Monica Terracciano - University of Naples Federico II

Valeria Tudino - University of Siena

How to reach us



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Patronages

























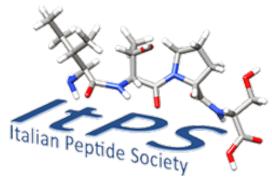






Dipartimento di Chimica e Tecnologie del Farmaco, Università di Roma Sapienza; Dipartimento di Chimica, Università di Roma Sapienza; Società Chimica Italiana; Associazione Culturale I3 - Idee Innovazione Inclusione (co-organizer); UniTelma Sapienza; Royal Society of Chemistry - Italy Local Section; Società Italiana di Ottica e Fotonica; Controlled Release Society - Italy Local Chapter; Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica - Medicina di Laboratorio; International Younger Chemists Network; Fondazione Umberto Veronesi; Società Italiana di Cancerologia; Temple University; SBARRO Health Research Organization; International Society of Electrochemistry

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