

Programma Comune

Domenica 5	
15:00	Apertura delle Registrazioni
	Sala Sirene
16:00 – 17:00	Apertura del Convegno e Saluti delle Autorità
17:00 – 18:45	Luigi Campanella: Conferimento delle Medaglie e del Sigillo della SCI
	<i>Chair: Michele Antonio Floriano</i>
19:00 – 20:00 PL-1	R. N. Zare The Joy of Chemical Discovery
20:30	Cocktail di benvenuto
Lunedì 6	
	Sala Sirene
	<i>Chair: Camillo Dejak</i>
14:30 – 15:30	In ricordo di Filippo Conti; intervengono E. Tiezzi, E. Brosio, M. Paci, A. Lai, M. Bizzarri, C. Manetti
	Sessione comune “Chimica Virtuale” <i>Chair: Ivano Bertini</i>
15:30 – 16:20 VIR-PL-1	Medaglia Sacconi V. Barone Time-independent and time-dependent approaches to computational spectroscopy
	<i>Chair: Maurizio Casarin</i>
16:20 – 17:00 VIR-PL-2	A. Violi Nanoparticles in the Environment: from Atomistic Simulations to the Assessment of their Health Effects
17:00 – 17:30 VIR-PL-3	G. Scalmani, M. J. Frisch Using Gaussian09 to study molecular properties in solution: development and applications of a continuous surface charge polarizable continuum model of solvation
17:30 – 18:00 VIR-PL-4	A. Cavalli Enhanced sampling methods to improve the reliability of protein-ligand docking studies
	<i>Chair: Vincenzo Schettino</i>
18:00 – 19:00 PL-2	M. Parrinello Large scale motions in proteins
	<i>Chair: Achille De Battisti</i>
19:00 – 20:00 PL-3	Medaglia Galvani M. Graetzel Electrochemistry and Energy, Mesoscopic Solar Cells for Solar Electricity Production
20:30	Cena
Martedì 7	
	Sala Sirene

	Sessione comune “Salute” <i>Chair: Roberto Pellicciari</i>
9:00 – 9:40 SAL-PL-1	<u>F. W. McLafferty</u> , K. Breuker, X. Kong Biological Activity of Biomolecular Ions
9:40 – 10:20 SAL-PL-2	<u>F. Salvatore</u> , A. Zagari The multienzyme system of human aldolases: from genes to natural variant protein structures
10:20 – 11:00 SAL-PL-3	A. Viale, G. Bonizzi, A. Cicalese, F. DeFranco, C. Pasi, S. Pece, A. Orleth, P. P. DiFiore, <u>P. G. Pelicci</u> Cancer Stem Cells
	Sessione comune “Didattica” <i>Chair: Silvana Saiello</i>
11:00 – 11:30 SCD-PL-1	R. N. Zare The Importance of Educational Research in Chemistry
11:30 – 12:00 SCD-PL-2	G. Zollo Una nuova sfida: tradurre il sapere scientifico nel linguaggio quotidiano
12:00 – 12:30 SCD-PL-3	G. Villani Specificità della chimica e suo ruolo culturale
12:30 – 13:00 SCD-PL-4	M. A. Floriano The SCI Didactics Division. Role, ideas, activities
	<i>Chair: Francesco De Angelis</i>
18:00 – 19:00 PL-4	C. Djerassi The Pill: Past, Present, Future
19:00 – 20:00 PL-5	A. Yu. Tsivadze Perspective Nanomaterials on the Basis of Macrocyclic Compounds
20:30	Cena
Mercoledì 8	
	Sala Sirene
	Sessione comune “Sicurezza” <i>Chair: Luigi Campanella, Martino Di Serio</i>
14:30 – 15:20 SIC-PL-1	Sicurezza: P. Rodriguez Iglesias REACH & ECHA: Helping to ensure the safety of chemicals across the European Union
15:20 – 16:10 SIC-PL-2	A. Bassan Application of Structure-Activity Relationships in REACH-compliant Chemical Hazard Assessment
16:10 – 16:25	A. Marcomini Un Master interAteneo sul Reach
	Sessione comune “Gruppo Giovani” <i>Chair: Enrico Rizzarelli</i>
16:25 – 17:15 GIO-PL-1	Medaglia Levi V. Ghisolfi 50 years of industrial chemistry always imagining the future

17:15 – 17:30 GIO-PL-2	Premio Levi V. Amendola Laser ablation synthesis in solution and size manipulation of functional nanoparticles
17:35 – 17:50 GIO-PL-3	Premio Levi T. Pellegrino Magnetic-Fluorescent Nanostructures for Biomedical Applications
17:55 – 18:10 GIO-PL-4	Premio Levi F. Arnesano Copper-induced oligomerization of ubiquitin and α -synuclein
18:15 – 19:00	Tavola rotonda: Università-Impresa: in casa della ricerca; intervengono P. Grieco, S. Tagliaferri, G. Morelli, A. Bolognese
19:00 – 20:00 PL-6	D. Piomelli The endocannabinoid system in the brain as a target for drug discovery
20:30	Cena
Giovedì 9	
	Sala Sirene
14:30 – 17:00	Assemblea Generale
	<i>Chair: Saverio Florio</i>
17:00 – 18:00 PL-7	V. S. Petrosyan Chemical Sputniks and Chemical Boomerangs: Problems of Chemical Safety
	Sessione comune “Imagine” <i>Chair: Giorgio Cevasco, Luigi Campanella</i>
18:00 – 18:05	Cerimonia di conferimento di tre Premi offerti dall’Ordine dei Chimici di Roma
18:05 – 18:20	V. Maglia Presentazione del filmato “Chimica oltre il luogo comune”
18:20 – 18:30	G. M. Bonora La piattaforma IT-SusChem
18:30 – 18:40	U. Cosentino Il Progetto Lauree Scientifiche
18.40 – 18:50	A. Zingales Immagine della Chimica ed etica professionale
18.50	A. Chilin Non è Magia, è Chimica – NEMEC
	F. Trifirò La chimica nella vita di tutti i giorni è scienza per il futuro
	M. Venturi Un volto nuovo per la Chimica al Dipartimento “G. Ciamician” dell’Università di Bologna
	A. M. Cardinale Dai banchi ai banconi

	V. Domenici I musei di Chimica in Italia e l'immagine della Chimica
	G. Reginato Primo Levi a Budapest
	S. Viticoli La chimica ed il comfort della persona
	G. Cevasco Il Festival della Scienza di Genova
19:30 – 20:00	Discussione
20:30	Cena Sociale
Venerdì 10	
	Sala Sirene
13:00 – 14:00	L. Campanella, V. Barone Conclusioni e Remarks

**Divisione di
Chimica dell'Ambiente
e dei Beni Culturali**

Lunedì 6	
	Sala Capri
	<i>Chair: Luigi Campanella</i>
9:00 – 9:30	Introduzione al Convegno e consegna delle Medaglie della Divisione
9:30 – 10:15 ABC-KN-1	H. Frank Environmental Sciences, Cultures and Ethics. Are they linked?
10:15 – 11:00 ABC-KN-2	M. Marabelli Evolution and improvements of diagnostics for conservation and restoration of bronze works of art
11:00 – 11:30	Pausa
	Ecosistemi <i>Chair: Corrado Sarzanini</i>
11:30 – 11:50 ABC-OR-1	P. Plossi, <u>P. Barbieri</u> , R. Braut, A. Altobelli Terrestrial and marine ecosystems playing a key role in CO ₂ balance in Province of Trieste
11:50 – 12:10 ABC-OR-4	<u>D. Brigolin</u> , T. Lovato, S. Ciavatta, A. Rubino, R. Pastres An integrated model for the sustainable management of off-shore mussel farming
12:10 – 12:30 ABC-OR-13	<u>J. Falomo</u> , L. Giorgini, L. Capriglia, P. Barbieri Development and optimization of fast and reliable methods for the determination of organotin compounds in the marine environment using SPME
12:30 – 12:50 ABC-OR-15	<u>S. Focardi</u> , A. Specchiulli, F. Spagnoli, S. Bastianoni, N. Marchettini Assessing the impact of nutrient enrichment in a shallow bay in the South Adriatic Sea: Gulf of Manfredonia (Italy)
Martedì 7	
	Sessione Poster
13:00 – 14:30	Poster ABC-PO-1 / 21
	Sala Capri
	Beni Culturali <i>Chair: Rocco Mazzeo</i>
14:30 – 14:50 ABC-OR-3	L. Campanella, <u>T. Bevilacqua</u> , C. Costanza, R. Grossi, O. Mantovani, E. Romanelli Ceramic dating: comparison between historical valuations and photosensoristic data
14:50 – 15:10 ABC-OR-33	<u>E. Zendri</u> , I. Nardini, G. Biscontin, F. C. Izzo, M. Sgobbi, M. Melchiorre Di Crescenzo Study of new mortars for the conservation of mosaics
15:10 – 15:30 ABC-OR-20	<u>G. Marino</u> , G. Leo, L. Birolo Biotechnology for cultural heritage: proteomics tools
15:40 – 18:00	Assemblea della Divisione
Mercoledì 8	

	Sala Capri
	Controllo e remediation <i>Chair: Nadia Marchettini</i>
9:00 – 9:20 ABC-OR-12	<u>S. Emmi</u> , B. Esposito, E. Ferri, M. Saracino Water Remediation by Advanced Oxidation Processes
9:20 – 9:40 ABC-OR-21	<u>G. Mascolo</u> , R. Ciannarella, A. Lopez, M. Pagano Synergic effect of UV/H ₂ O ₂ – GAC treatment for the effective remediation of groundwater polluted by chlorinated organics
9:40 – 10:00 ABC-OR-31	M. C. Bruzzonti, <u>C. Sarzanini</u> A new ion chromatographic method for the analysis of drinking water samples with analytes at disproportionate concentration ratios
10:00 – 10:20 ABC-OR-11	<u>M. Del Bubba</u> , S. Doumet, G. Petruzzelli, S. Mugnai, E. Azzarello, D. Fibbi, A. Cincinelli Influence of the application renewal of glutamate and tartrate and of the soil characteristics on Cd, Cu, Pb and Zn distribution between contaminated soils and <i>Paulownia tomentosa</i>
10:20 – 11:00	Illustrazione e discussione poster <i>Chair: Massimo Del Bubba, Corrado Sarzanini</i>
11:00 – 11:30	Pausa
	Biotechnologie per l'ambiente <i>Chair: Fabio Fava</i>
11:30 – 11:50 ABC-OR-14	G. Zanaroli, A. Negroni, L. Y. Young, D. Daffonchio, <u>F. Fava</u> PCB reductive dechlorination in sediments of Venice lagoon: preliminary characterization of dechlorinating microflora
11:50 – 12:10 ABC-OR-19	<u>L. Leoni</u> , E. Zennaro Molecular mechanisms underlying bacterial degradation of toxic compounds
12:10 – 12:30 ABC-OR-29	F. Luziatelli, P. Di Matteo, <u>M. Ruzzi</u> New recombinant <i>Escherichia coli</i> strain tailored for the production of vanillin from agroindustrial by-products
12:30 – 12:50 ABC-OR-32	E. Ansaloni, B. Bonsi, M. Brachitta, D. Zanichelli, <u>L. Setti</u> Biorefining of agro-food wastes: recovery of secondary chemical building blocks for a bio-based industrial chemistry
	Sessione Poster
13:00 – 14:30	Poster ABC-PO-22 / 41
Giovedì 9	
	Sala Capri
	Beni Culturali <i>Chair: Antonella Casoli</i>
9:00 – 9:45 ABC-KN-3	R. Mazzeo Some thoughts about the position of chemistry in multidisciplinary approaches in conservation of cultural heritage
9:40 – 10:05 ABC-OR-2	I. Ozga, <u>E. Bernardi</u> , L. Morselli, A. Bonazza, N. Ghedini, C. Sabbioni

	Elemental analyses of damage layers on the 20th century architecture
10:05 – 10:25 ABC-OR-8	D. Bersani, M. Berzioli, S. Caglio, <u>A. Casoli</u> , D. Cauzzi, P. P. Lottici, L. Medeghini, G. Poldi, P. Zannini Scientific investigation on wall paintings by Correggio: the dome of Parma's Duomo
10:25 – 10:45 ABC-OR-28	A. Casoli, E. Feci, S. Palanti, <u>G. Predieri</u> , F. Vignali Wood modification with functionalized silica xerogels for preservation purposes
10:45 – 11:05 ABC-OR-6	<u>L. Campanella</u> , C. Costanza Paper protection through antioxidant treatment
11:05 – 11:30	Pausa
	<i>Chair: Luciano Morselli</i>
11:30 – 11:50 ABC-OR-16	G. Poggi, <u>R. Giorgi</u> , P. Baglioni Investigations on inhibition methods of iron-gall ink paper corrosion
11:50 – 12:10 ABC-OR-22	M. L. Amadori, S. Barcelli, E. Joseph, <u>R. Mazzeo</u> , S. Prati, G. Sciutto, M. R. Valazzi The mysterious attribution of the portraits of the “Uomini Illustri” in the Studiolo of Federico da Montefeltro: act II
12:10 – 12:30 ABC-OR-25	<u>G. Pizzorusso</u> , R. Giorgi, E. Fratini, J. Eiblmeier, P. Baglioni Magnetic Chemical Gels for the Restoration of Canvas Paintings
12:30 – 12:50 ABC-OR-7	<u>E. Carretti</u> , I. Natali, C. Matarrese, G. Caminati, R. G. Weiss, P. Baglioni, L. Dei Poly(vinyl alcohol)-borax hydro/cosolvent gels. Viscoelastic properties, solubilizing power, and application to art conservation
Venerdì 10	
	Sala Nettuno 2+3
9:00	La Sessione si apre con la consegna delle “Medaglie Libertì” congiuntamente alla Divisione di Chimica Analitica ed al Gruppo Interdivisionale di Scienza delle Separazioni
	Sala Capri
	Reach e analisi di rischio <i>Chair: Fabrizio Passarini</i>
9:10 – 9:30 ABC-OR-9	<u>A. Conto</u> , L. De Luca REACH criteria for the PBT assessment. How to approach the evaluation of persistence, bioaccumulation and toxic properties of chemical substances
9:30 – 9:50 ABC-OR-23	G. de Gennaro, L. de Gennaro, A. De Marinis Liotile, <u>A. Mazzone</u> REACH: alternative methods and opportunities
9:50 – 10:10 ABC-OR-18	<u>Z. Lazzati</u> , P. D’Ursi, E. Rovida, A. Gambaro, R. Zangrando, F. Chiappori, L. Milanese, E. Bolzacchini A Docking Procedure for the identification of potential

	Bisphenol A' protein targets and characterization of the major environmental matrix involved in their pathways
10:10 – 10:30 ABC-OR-27	<u>G. Pojana</u> , S. Zuin, A. Critto, D. Vallotto, N. R. Jacobsen, H. Wallin, L. Tran, A. Marcomini Hazard assessment of engineered nanoparticles
10:30 – 10:50 ABC-OR-30	<u>L. Morselli</u> , A. Santini, F. Passarini, I. Vassura, L. Ciacci LCA as decision tool for ASR management
10:50 – 11:10 ABC-OR-34	S. Zuin, C. Micheletti, A. Critto, G. Pojana, L. Tran, <u>A. Marcomini</u> Application of <i>Weight of Evidence</i> approach for assessing the hazard of manufactured nanoparticles
11:10 – 11:40	Pausa
	Inquinamento atmosferico <i>Chair: Gianluigi de Gennaro</i>
11:40 – 12:00 ABC-OR-10	M. Amodio, E. Andriani, M. Caselli, B. E. Daresta, <u>G. de Gennaro</u> , A. Di Gilio, P. Ielpo, C. M. Placentino, M. Tutino Integrated approach in the monitoring of particulate matter
12:00 – 12:20 ABC-OR-17	J. Falomo, <u>L. Giorgini</u> , N. Skert, N. Miani, R. Grahonja, P. Barbieri An innovative passive sampling system for assessing the distribution of particulate PAHs in the city of Trieste
12:20 – 12:40 ABC-OR-26	<u>P. Plossi</u> , P. Barbieri Airborne micropollutants in Province of Trieste
12:40 – 13:00	<u>A. Piazzalunga</u> , C. Abate, P. Fermo, F. Lollobrigida, M. Pace, M. Sacco, M. Maringo, F. Romeo, G. Castrogiovanni, C. Bussi, A. Pannocchia Wood burning contribution to aerosol particulate matter in Piemonte Region

	Elenco dei Poster
ABC-PO-1	<u>G. Anzilotta</u> , A. Pipino, D. Boichichio, A. Palma Determination of chlorobenzenes in biota by closed vial extraction and purge & trap - GC/MS analysis
ABC-PO-2	M. Manigrasso, <u>P. Avino</u> Time-spatial evolution of carbonaceous PM in urban area
ABC-PO-3	<u>E. Bernardi</u> , D. J. Bowden, P. Brimblecombe, H. Kenneally, L. Morselli Bird droppings: a real threat for outdoor copper and bronze?
ABC-PO-4	<u>L. Campanella</u> , M. Castrucci, S. Plattner, M. Antić, G. Visco Comparison of an inexpensive photodegradation system with high performance oxidation process
ABC-PO-5	<u>N. Cardellicchio</u> , A. Di Leo, S. Giandomenico, L. Spada The seagrass <i>Posidonia oceanica</i> L.: a bioindicator of heavy metals pollution in marine sediments
ABC-PO-6	<u>N. Cardellicchio</u> , A. Di Leo, S. Giandomenico, L. Spada

	The use polychaete <i>Sabella spallanzanii</i> as bioindicator of PCBs contamination in marine environment
ABC-PO-7	<u>N. Cardellicchio</u> , A. Di Leo, S. Giandomenico, L. Lopez, L. Spada Bioaccumulation of PCB congeners in marine organisms from the Mar Piccolo in Taranto (Ionian Sea, Southern Italy)
ABC-PO-8	<u>E. Carretti</u> , M. Milano, L. Dei, P. Baglioni Physicochemical characterization of two 19 th centur English ferrotypes
ABC-PO-9	M. Berzioli, E. Campani, <u>A. Casoli</u> , P. Cremonesi Use of rigid agar gels for cleaning plaster artworks: analytical testing
ABC-PO-10	M. Berzioli, <u>A. Casoli</u> , C. Equisetto, S. Volpin Scientific investigations on paintings by Tintoretto of the Scuola Grande di San Rocco in Venice
ABC-PO-11	<u>M. Catauro</u> , F. Bollino, D. Verardi, E. Kamseu, I. Lancellotti, L. Barbieri, C. Leonelli Geopolymers as low temperature-low CO ₂ cements: an FT-IR investigation
ABC-PO-12	A. Andreotti, G. Ranalli, <u>M. Perla Colombini</u> The biocleaning of wall paintings
ABC-PO-13	L. Birolo, G. Leo, A. Andreotti, <u>M. P. Colombini</u> Proteomic for the study of casein degradation in the wall paintings of Monumental Cemetery in Pisa
ABC-PO-14	J. J. Lucejko, F. Modugno, E. Ribechini, <u>M. Perla Colombini</u> Characterisation of archaeological waterlogged wood by pyrolytic and mass spectrometric techniques
ABC-PO-15	I. Bonaduce, <u>M. P. Colombini</u> , T. Grøntoft, S. Lopez-Aparicio, M. Odlyha, M. Scharff Mass spectra analysis of varnishes under accelerated ageing. The PROPAINTEU project for the assessment of environmental protection for paintings offered by microclimate frames and varnishes
ABC-PO-16	M. Sesso, <u>C. della Torre</u> , L. Di Monte, P. Barbieri PAH's degradation in the rhizosphere of <i>Festuca arundinacea</i> and <i>Medicago sativa</i>
ABC-PO-17	<u>B. Fabbri</u> , L. Da Vià, S. Zappoli High temporal resolution sampling for the determination of carbonyl compounds in air
ABC-PO-18	F. Occulti, G. Camera Roda, G. Zanaroli, A. Picini, <u>F. Fava</u> Biosurfactant-based washing of an aged PCB-polluted soil and photocatalytic treatment of the resulting effluents
ABC-PO-19	C. Bettini, L. Bertin, <u>F. Fava</u> Acclimatization of methanogen consortium capable to digest relevant percentages of municipal solid waste in codigestion with cattle manure.

ABC-PO-20	<u>L. Gaggero</u> , E. Pedemonte, E. Princi, S. Vicini Polymeric coating and artificial ageing of low-porosity metamorphic stones: the case of roofing slates
ABC-PO-21	M. Baglioni, D. Rengstl, D. Berti, <u>R. Giorgi</u> , P. Baglioni Microemulsions and micellar solutions for the removal of polymers from painted surfaces: Investigation on the cleaning mechanism
ABC-PO-22	N. Toccafondi, <u>R. Giorgi</u> , P. Baglioni Synthesis and characterizations of alkaline earth hydroxide nanoparticles
ABC-PO-23	<u>N. Marchettini</u> , A. Atrei, F. Benetti, A. Guiducci, D. Magrini, R. M. Pulsell Characterization of materials of a mid 16 th century Sienese painting
ABC-PO-24	<u>W. Martinotti</u> , G. Ciceri Experimental approach for monitoring CO ₂ fluxes at the sediment-water interface
ABC-OR-24	<u>A. Piazzalunga</u> , C. Abate, F. Bianchi, O. Cazzuli, P. Fermo, M. Ferri, M. Lasagni, D. Pitea Biogenic contribution to particulate matter in Northern Italy
ABC-PO-25	E. L. Kendix, G. Sciutto, S. Prati, <u>R. Mazzeo</u> Far-IR spectroscopy applied for identification of pigments and corrosion products
ABC-PO-26	V. Librando, C. Marano, <u>Z. Minniti</u> , G. Perrini, G. Tringali, R. Udisti Analysis and characterization of particulate air pollution in areas of historical and cultural interest
ABC-PO-27	S. Bastianoni, B. Rugani, <u>V. Niccolucci</u> Conventional vs non-conventional pig rearing systems: a comparative evaluation based on LCA and eMergy approaches
ABC-PO-28	<u>G. Novario</u> , G. Bianco, G. Anzilotta, A. Palma, T. R. I. Cataldi Polybrominated diphenyl ethers (PBDEs) in mussels from selected Puglia coastal sites evaluated by GCtandemMS and GC-HRMS
ABC-PO-29	I. Vassura, L. Morselli, F. Passarini Possible recovery of bottom ash from incineration plants by means of ageing and mechanical sorting processes
ABC-PO-30	C. Frascchetti, F. Gasparrini, S. Levi Mortera, <u>M. Pierini</u> , M. Speranza, C. Villani Gas-phase multi-body self-assembling complexes analyzed by original multiconformational molecular docking procedure
ABC-PO-31	P. Barbieri, F. Cozzi, A. Mazzatenta, L. Di Monte, <u>G. Pignolo</u> Terrestrial gastropods as sentinel species as biomonitor system
ABC-PO-32	M. DellaGreca, <u>P. Pistillo</u> , L. Previtera, F. Temussi, A. Zarrelli Fate of drugs during aqueous chlorination by sodium hypochlorite
ABC-PO-33	<u>S. H. Plattner</u> , L. Campanella, A. Macchia, M. Marabelli Copper corrosion inhibitors: efficiency comparison in liquid and vapour phase for potential application in Cultural Heritage

	protection
ABC-PO-34	<u>G. Romanelli</u> , M. Amici, R. Parravano, V. Perini, M. Mannozi, A. Ronci, R. Di Mento Analysis of the total petroleum hydrocarbons content and of the aliphatic hydrocarbons fraction in sediments collected in the Adriatic off shore gas platform
ABC-PO-35	<u>A. Russo</u> , R. Iacovino, C. Isernia, B. Di Blasio Inclusion complexes of cyclodextrins and pollutants
ABC-PO-36	M. DellaGreca, M. R. Iesce, L. Previtera, <u>F. Temussi</u> Phototransformation of Montelukast sodium in water
ABC-PO-37	R. M. Pulselli, F. M. Pulselli, V. Niccolucci, <u>E. Tiezzi</u> Holistic environmental accounting methods for measuring sustainability at the territorial level
ABC-PO-38	C. Bertinetto, C. Duce, A. Micheli, R. Solaro, <u>M. R. Tiné</u> Prediction of toxicity by adaptive processing of structured molecular representations
ABC-PO-39	M. Brattoli, P. Buono, M. Caselli, L. D'Accolti, G. de Gennaro, M. Musti, <u>M. Tutino</u> VOC and Odor: Evaluation of the volatile organic compounds emissions and of the olfactory impacts produced by new materials and by new technologies for productive systems
ABC-PO-40	S. Becagli, E. Castellano, G. Galli, C. Ghedini, D. Manganelli, F. Marino, S. Nava, F. Rugi, M. Severi, R. Traversi, <u>R. Udisti</u> Chemical characterization of all-year-round PM1 collected below and above the winter inversion layer in the Florence plain (PASF-3 Project)
ABC-PO-41	<u>I. Vassura</u> , L. Morselli, F. Passarini Airborne organic pollutants deposition monitoring nearby a municipal solid waste incinerator

**Divisione di
Chimica Analitica**

Martedì 7	
	Sala Nettuno 2+3
14:00 – 14:45	Apertura dei lavori, conferimento della Medaglia Canneri, premiazioni
	Sensori e elettroanalitica (SE)
14:45 – 15:15 ANA-KN-1 / SE	F. Baldini Optical chemical and biochemical sensing for clinical diagnostics
15:15 – 15:30 ANA-OR-1 / SE	M. Minunni, <u>S. Scarano</u> , C. Scuffi, M. Mascini SPR imaging (SPRi) for biosensing: an innovative label-free, multiarray platform for the detection of bioaffinity interactions
15:30 – 15:45 ANA-OR-2 / SE	F. Enrichi, <u>R. Riccò</u> , K. Fincati, A. Meneghello Fluorophore doped luminescent Silica Nanoparticles as efficient labels in DNA-Microarrays
15:45 – 16:00 ANA-OR-3 / SE	<u>E. Michelini</u> , L. Cevenini, L. Mezzanotte, A. Roda Towards a bioluminescent multisensing platform for on field-analysis of endocrine disruptors in environmental, food and clinical samples
16:00 – 16:15 ANA-OR-4 / SE	<u>L. M. Moretto</u> , M. Silvestrini, T. Kohls, P. Ugo, D. Badocco, P. Pastore Electroanalysis by Electrochemiluminescence of Ru(bpy) ₃ ²⁺ at Langmuir-Blodgett films of Nafion
16:15 – 16:30 ANA-OR-5 / SE	<u>G. Maruccio</u> , E. Primiceri, M. S. Chiriaco, E. Tarentini, E. D'Amone, E. Urso, A. Rizzello, M. Maffia, R. Cingolani, R. Rinaldi Biochips for cell counting and cytotoxicity tests by electrochemical impedance spectroscopy (EIS)
16:30 – 16:45 ANA-OR-6 / SE	S. Laschi, I. Palchetti, M. Mascini, <u>G. Marrazza</u> A new magnetic microfluidic device for simultaneous affinity tests
16:45 – 17:00 ANA-OR-7 / SE	F. Angiulli, M. Chiari, G. Di Carlo, <u>L. Falciola</u> , U. Molteni, L. Sola Advanced polymers for the DNA electroanalytical detection
17:00 – 17:15 ANA-OR-8 / SE	M. Careri, L. Elviri, <u>M. Giannetto</u> , A. Mangia, G. Mori, F. Speroni Amperometric immunosensors based on immobilization of antibodies on gold nanoparticles
17:15 – 17:30 ANA-OR-9 / SE	<u>G. D'Agostino</u> , R. Biesuz, G. Alberti, A. Profumo, M. Pesavento Amperometric detection of the rebinding of non electroactive substances to a molecularly imprinted polymer membrane: development of a specific sensor
17:30 – 17:45 ANA-OR-10 / SE	<u>D. Battistel</u> , S. Daniele, G. Battaglin, M. A. Baldo Platinum/Alumina thin films as platforms for electrochemical sensors

17:45 – 18:00 ANA-OR-11 / SE	<u>M. Innocenti</u> , F. Carlà, M. L. Foresti, C. Gellini, F. Loglio, M. Muniz-Miranda, P. R. Salvi, V. Schettino SERS-active nanostructured Ag platforms for Biosensing
Mercoledì 8	
	Sala Nettuno 2+3
	Chimica Analitica per la sicurezza e la qualità degli alimenti (AL)
9:00 – 9:15 ANA-OR-12 / AL	<u>L. Campanella</u> , T. Gatta, M. Pintore Food safety assessment by multisensoristic approach
9:15 – 9:30 ANA-OR-13 / AL	S. Giannarelli, B. Muscatello, P. Bogani, M. M. Spiriti, M. Buiatti, F. Rugi, <u>R. Fuoco</u> Evaluation of the metabolic response of normal and transgenic <i>N. langsdorffii</i> plants exposed to contaminated culture medium
9:30 – 9:45 ANA-OR-14 / AL	C. Borromei, <u>A. Cavazza</u> , C. Corradini, T. Vicchio HPLC-PAD determination of fructooligosaccharides profile for characterization of onions from different botanical and geographical origin
9:45 – 10:00 ANA-OR-15 / AL	M. Cocchi, C. Durante, <u>S. Manzini</u> , A. Marchetti, L. Tassi Optimization of a Dynamic Headspace and GC/MS procedure for the determination of volatile compounds in Aceto Balsamico Tradizionale di Modena
10:00 – 10:15 ANA-OR-16 / AL	<u>M. Tomassetti</u> , S. Vecchio, V. Micieli, L. Campanella New differential scanning calorimetry analytical method for the determination of acetylsalicylic acid
10:15 – 10:30 ANA-OR-17 / AL	<u>D. Romanazzo</u> , S. Vesco, G. Volpe, F. Ricci, D. Moscone, G. Palleschi Development of a new immunoelectrochemical system for the determination of Deoxinivalenol
10:30 – 10:45 ANA-OR-18 / AL	D. Naviglio Ten years of experimentation in the field of solid-liquid extraction after the Naviglio's principle and Extractor Naviglio®
	Chimica Analitica forense (CAF)
10:45 – 11:00 ANA-OR-19 / CAF	F. Rossetti, <u>G. Peluso</u> , F. Di Rosa, L. Ripani, M. Vincenti Chemical Profiling of drugs of abuse. Characterization of hashish samples by mass spectrometry techniques and evaluation of decarboxylation of Δ^9 -THC-A
11:00 – 11:15 ANA-OR-20 / CAF	<u>G. Mori</u> , A. Gregori, M. Giannetto Chemometrics in forensic science
11:15 – 11:30 ANA-OR-21 / CAF	<u>S. Girotti</u> , E. Maiolini, P. Caputo, M. D'Elia, D. Coppe Post-blast determination of TNT by Chemiluminescent-ELISA and Lateral Flow Immuno assay (LFIA)
11:30 – 13:00	Assemblea della Divisione
	Sessione Poster

13:00 – 14:30	Poster ANA-PO-10 / 14 (CH), 15 / 23 (AL), 41 / 45 (EQ), 46 / 61 (SE), 62 / 66 (SA)
Giovedì 9	
	Sala Nettuno 2+3
	Bioanalitica e Proteomica (BAP; Sessione congiunta con la Divisione di Spettrometria di Massa, la Divisione di Chimica dei Sistemi Biologici ed il Gruppo Interdivisionale di Chimica del Proteoma)
9:00 – 9:10	Apertura della Sessione
9:10 – 9:50 ANA-IL-1 / BAP	J. Szpunar Emerging mass spectrometry methods in metalloproteomics and metallomics
9:50 – 10:10 ANA-OR-22 / BAP	M. Terenghi, <u>L. Elviri</u> , M. Careri, A. Mangia, R. Lobinski Size exclusion chromatography-inductively coupled plasma for the multiplex immunoassay detection of tumor antigen biomarkers
10:10 – 10:30 ANA-OR-23 / BAP	<u>S. Rinalducci</u> , P. Roepstorff, L. Zolla <i>De novo</i> sequence analysis and intact mass measurements for characterization of phycocyanin subunit isoforms from the blue-green alga <i>Aphanizomenon flos-aquae</i>
10:30 – 10:50 ANA-OR-24 / BAP	<u>G. Di Rocco</u> , S. Monari, F. De Rienzo, M. Borsari, G. Battistuzzi, M. Sola A new cytochrome for biosensing applications: the diheme cytochrome c_4 from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125 and its M64A and M164A variants
10:50 – 11:10	Pausa
11:10 – 11:30	M. Biglietto Development of MALDI TOF/TOF technology for proteomic studies
11:30 – 11:50 ANA-OR-26 / BAP	<u>D. Aiello</u> , C. Athanassopoulos, P. Moschidis, A. Napoli, G. Sindona Chemical Probes to Quantitative Proteomics
11:50 – 12:10 ANA-OR-27 / BAP	<u>E. Cairone</u> , V. Cunsolo, V. Muccilli, R. Saletti, S. Foti, D. Fontanini, A. Criscione, D. Marletta Sequence determination of α_s -caseins from donkey's milk by mass spectrometry
12:10 – 12:30 ANA-OR-28 / BAP	<u>F. Biscarini</u> , A. N. Lazar, P. Greco, P. Stoliar, E. Bystrenova, F. Lugli, F. Toschi, F. Zerbetto The size of the smallest stable aggregates of 1-40 β -amyloid protein in confined environment
Giovedì 9	
	Sala Nettuno 4 (in parallelo alla Sessione Bioanalitica e Proteomica)
	Chemimetria (CH)

9:00 – 9:30 ANA-KN-2 / CH	J. M. Amigo Chemometrics tools for process monitoring and control
9:30 – 9:45 ANA-OR-29 / CH	<u>G. Foca</u> , A. Ulrici, N. Sinelli, M. Mariotti Dohelet experimental design and signal processing techniques applied to the minimization of instrumental noise in FT-NIR spectra of wheat samples
9:45 – 10:00 ANA-OR-30 / CH	<u>C. Baschieri</u> , M. Li Vigni, M. Cocchi, G. Foca, A. Marchetti, A. Ulrici Study of the protein content of wheat flour in relation to technological properties using chromatography, NIRS and chemometrics
10:00 – 10:15 ANA-OR-31 / CH	<u>P. Oliveri</u> , M. Forina, M. Casale, M. A. Baldo, S. Daniele Wavelet transform with an alternative common basis for the compression of data provided by an artificial tongue for the verification of olive oil provenance
10:15 – 10:30 ANA-OR-32 / CH	M. Cocchi, C. Durante, S. Manzini, A. Marchetti, S. Sighinolfi, <u>S. Totaro</u> Optimization of analytical procedures for the determination of geophysical markers of food
10:30 – 10:45 ANA-OR-33 / CH	A. A. D'Archivio, M. A. Maggi, P. Mazzeo, <u>F. Ruggieri</u> Retention modelling in multi-eluent and multi-column reversed phase HPLC systems: recent developments
	Spettroscopia analitica (SA)
10:45 – 11:15 ANA-KN-3 / SA	E. Paparazzo The boundaries of the world: the notion of surface in Greek philosophy and in modern science
11:15 – 11:30 ANA-OR-34 / SA	<u>A. Rossi</u> , N. D. Spencer Quantitative Imaging – XPS
11:30 – 11:45 ANA-OR-35 / SA	L. M. Zanoli, R. D'Agata, C. Ferretti, M. Gatti, R. Marchelli, R. Corradini, <u>G. Spoto</u> Ultrasensitive detection of DNA by nanoparticle-enhanced surface plasmon resonance imaging
11:45– 12:00 ANA-OR-36 / SA	L. Colaianni, S.-C. Kung, D. K. Taggart, J. Greaves, <u>N. Cioffi</u> , R. M. Penner Lithographically patterned gold nanowires: Spectroscopic/Morphological characterization and Mass Spectrometry applications
	Equilibri in soluzione (EQ)
12:00 – 12:15 ANA-OR-37/EQ	<u>S. Berto</u> , P. G. Daniele, E. Prenesti, E. Laurenti Interaction of oxovanadium(IV) with polycarboxylic ligands in aqueous solution: a thermodynamic and spectroscopic study
12:15 – 12:30 ANA-OR-38 /	M. Iuliano, G. De Tommaso, G. Germano, M. Leo Study of Diazinon Adsorption onto FePO _{4(am)}

EQ	
12:30 – 12:45 ANA-OR-39 / EQ	M. Pesavento, G. D'Agostino, M. Sturini, <u>R. Biesuz</u> , G. Alberti Evaluation of free metal ion concentration in complex matrices by a dynamic procedure on complexing resin columns
12:45 – 13:00 ANA-OR-40 / EQ	<u>C. Dossi</u> , A. Castelletti, A. Pozzi, D. Monticelli Assessment of accuracy and precision in speciation analysis by Competitive Ligand Equilibration with Cathodic Stripping Voltammetric detection
	Sessione Poster
13:00 – 14:30	Poster ANA-PO-1 / 9 (BAP), 24 / 40 (AM), 67 / 75 (TS)
Venerdì 10	
	Sala Nettuno 2+3
	Tecniche separative e combinate (TS)
9:00	La Sessione si apre con la consegna delle “Medaglie Libertà” congiuntamente alla Divisione di Chimica dell’Ambiente e dei Beni Culturali ed al Gruppo Interdivisionale di Scienza delle Separazioni
9:00 – 9:30 ANA-KN-4 / TS	A. Cappiello Hard ionization in LC-MS: background, state-of-the-art, and perspectives
9:30 – 9:45 ANA-OR-41 / TS	<u>F. Dondi</u> , M. Mercuriali, L. Pasti, M. C. Pietrogrande Advances in decoding multicomponent chromatograms: statistical parameters and conventional indexes from correlation analysis
9:45 – 10:00 ANA-OR-42 / TS	M. Mattarozzi, M. Giannetto, A. Secchi, <u>F. Bianchi</u> Novel coating for solid-phase microextraction: electropolymerization of a molecular receptor functionalized with 2,2'-bithiophene for the determination of environmental pollutants at trace levels
10:00 – 10:15 ANA-OR-43 / TS	<u>C. Liscio</u> , E. Magi, M. Di Carro Development of a stir bar sorptive extraction method for the simultaneous determination of endocrine disrupting compounds in waters by GC-MS
10:15 – 10:30 ANA-OR-44 / TS	<u>D. Corradini</u> , A. De Rossi, I. Nicoletti Influence of cationic, anionic and switterionic additives on the electroosmotic flow and the electrophoretic behavior of proteins in capillary electrophoresis
10:30 – 10:45 ANA-OR-45 / TS	<u>R. Ciriello</u> , P. T. Iallorenzi, A. Laurita, Antonio Guerrieri A capillary zone electrophoretic method for size characterization of gold nanoparticles
10:45 – 11:00 ANA-OR-46 / TS	<u>C. Corradini</u> , C. Merusi, A. Cavazza Capillary electrophoresis coupled with mass spectrometry in food analysis
	Chimica Analitica per l'Ambiente e i Beni Culturali (AM)
11:00 – 11:30	S. Facchetti

ANA-KN-5 / AM	The contribution of environmental sampling to the total measurement uncertainty
11:30 – 11:45 ANA-OR-47 / AM	<u>C. Giorio</u> , A. Tapparo, V. Girolami, L. Mazzon How can guttation drops kill bees? The lethal effect of neonicotinoid insecticides
11:45– 12:00 ANA-OR-48 / AM	<u>M. Malandrino</u> , E. Mentasti, A. Giacomino, O. Abollino Temporal variability and environmental availability of inorganic elements in two Antarctic marine sediment cores from Ross Sea
12:00 – 12:15 ANA-OR-49 / AM	<u>C. Truzzi</u> , S. Illuminati, A. Annibaldi, G. Scarponi SWASV determination of Cd, Pb and Cu in the siliceous spicules of marine sponges from the Ross Sea (Antarctica)
12:15 – 12:30 ANA-OR-50 / AM	<u>M. Rossi</u> , P. Mussini, R. Bruni, P. Ferruti, E. Ranucci, F. Fenili New Target-oriented Resins for Water Treatment
12:30 – 12:45 ANA-OR-51 / AM	<u>M. Grotti</u> , F. Soggia, F. Ardini, R. Frache, E. Paredes, J. L. Todoli, J. M. Mermet A new high efficiency micro-sample introduction system for inductively coupled plasma spectrometry and its application to the analysis of Antarctic snow
12:45 – 13:00 ANA-OR-52 / AM	<u>M. Pesavento</u> , G. D'Agostino, A. Profumo, R. Biesuz, G. Alberti Complexing properties of humic substance for lead(II) at low concentration: an investigation based on titration with complexing ion exchange resins
13:00 – 13:15 ANA-OR-53 / AM	R. Zangrando, A. Gambaro, <u>S. De Pieri</u> , C. Barbante, P. Cescon Determination of Acrylamide in the PM of the Venice Lagoon

	Elenco dei Poster
ANA-PO-1	G. Alberti, P. Chiari, G. Giannini, A. Zanini, E. Capelli Determination of ^{10}B uptake in human cells following boron delivery agents treatment
ANA-PO-2	<u>L. Callipo</u> , G. Caruso, P. Giansanti, R. Gubbiotti, R. Samperi, A. Laganà Immunoprecipitation on magnetic beads and LC/MS/MS as a tool for carbonic anhydrase II quantification in human serum
ANA-PO-3	A. L. Capriotti, G. Caruso, <u>E. Corradini</u> , R. Gubbiotti, R. Samperi, A. Laganà Differential proteomics for studying the effects of microgravity on cardiac tissue by nanoHPLC-Chip/MS
ANA-PO-4	M. Mirasoli, S. Casolari, B. Roda, L. Cevenini, P. Reschiglian, B. Branchini, A. Roda New miniaturized and compact gravitational field- flow fractionation devices suitable for POCT (Point-of-care testing)
ANA-PO-5	P. Nanni, M. Benevento, <u>S. Vecchiotti</u> , G. Roda, A. Caponi, A. Roda

	Development of a mass spectrometry-based method for the evaluation of serum exoprotease activity in Crohn's disease patients
ANA-PO-6	<u>L. Mezzanotte</u> , R. Fazzina, E. Michelini, R. Tonelli, A. Pession, B. Branchini, A. Roda In vivo bioluminescence molecular imaging in mouse xenograft models using a red-shifted thermostable luciferase
ANA-PO-7	M. Tomassetti, S. Vecchio, L. Campanella Analytical, physico-chemical and kinetic application of thermal analysis to compounds of pharmaceutical interest
ANA-PO-8	A. Guerrieri, <u>R. Ciriello</u> , C. Iasillo Discrimination in the aggregation kinetic of polyelectrolyte stabilized gold nanoparticles induced by cysteine and homocysteine
ANA-PO-9	S. Piermarini, <u>G. Volpe</u> , R. Federico, D. Moscone, G. Palleschi Development of a screen-printed biosensor for detection of biogenic amines in saliva
ANA-PO-10	M. Tomassetti, T. Gatta, R. Grossi, G. Visco, L. Campanella Differentiation of old Roman mortars and stuccos by chemometric methods
ANA-PO-11	<u>P. Oliveri</u> , V. Di Egidio, T. Woodcock, G. Downey Authentication of Extra Virgin Olive Oil from Liguria by Means of Near Infrared Spectroscopy and Class-Modelling Techniques
ANA-PO-12	<u>L. Brambilla</u> , C. Colombo, P. Fermo, A. Sansonetti An analytical approach on painting layers: mixtures of lead white and drying oils
ANA-PO-13	B. Giussani, S. Roncoroni, A. Beri, A. Pozzi, <u>C. Dossi</u> Principal Component Analysis and Multi-way Analysis of tropospheric trace gases data in Lake Como area (Italy) during the period 1992-2007
ANA-PO-14	A. A. D'Archivio, A. Incani, <u>M. A. Maggi</u> , P. Mazzeo, F. Ruggieri Adsorption of triazines onto polybenzimidazole: a quantitative structure-property relationship investigation
ANA-PO-15	<u>M. Attya</u> , L. Di Donna, B. Gabriele, A. Fazio, F. Mazzoti, G. Sindona A new method for the quantification of ochratoxin A in foods by HPLC-FLD and diastereoisomeric dilution method
ANA-PO-16	<u>M. A. Baldo</u> , P. Oliveri, M. Forina, S. Daniele Development of a voltammetric electronic tongue for the discrimination of edible oils
ANA-PO-17	I. G. Casella, <u>F. Picerno</u> Determination of tetracycline by liquid chromatography with electrochemical detection after solid phase extraction (SPE)
ANA-PO-18	<u>M. Iammarino</u> , A. Di Taranto, C. Palermo, D. Centonze Polyphosphates in products of animal origin: validation of an analytical method based on ion chromatography with electrochemical conductivity detection

ANA-PO-19	A. Cupo, <u>L. Falciola</u> , M. Longhi, F. Meroni Electroanalytical detection of some contaminants in the food chain
ANA-PO-20	<u>M. Muscarella</u> , M. Iammarino, D. Nardiello, S. Lo Magro, C. Palermo, D. Centonze Validation of a confirmatory analytical method for the determination of aflatoxins B ₁ , B ₂ , G ₁ and G ₂ in foods and feed materials by HPLC with on-line photochemical derivatization and fluorescence detection
ANA-PO-21	E. Furia, <u>A. Naccarato</u> , G. Sindona, A. Tagarelli Characterization of Tropea red onion by multielementar distribution
ANA-PO-22	J. Calvo Quintana, F. Arduini, A. Amine, A. Pastorelli, P. Stacchini, M. Baldini, <u>G. Palleschi</u> , D. Moscone Determination of Lead in Milk by means of electrochemical sensors: study of the sample treatment and validation
ANA-PO-23	<u>L. Mondello</u> , P. Dugo, G. Dugo Comprehensive Chromatography (GCxGC, LCxLC) coupled to Mass Spectrometry for the Analysis of Complex Matrices
ANA-PO-24	<u>M. V. Russo</u> , P. Avino Development of modified fused-silica microcapillary for environmental, alimentary and clinical analyses
ANA-PO-25	L. S. Dolci, G. Sciutto, <u>A. Buragina</u> , M. Guardigli, R. Mazzeo, S. Prati, A. Roda Chemiluminescent Immunochemical microscope imaging for the identification and localization of casein and ovalbumin proteins in Painting Layers microsection
ANA-PO-26	<u>L. Cevenini</u> , E. Michellini, L. Mezzanotte, L. S. Dolci, B. Branchini, A. Roda Spectral-resolved gene technology for multiplexed monitoring of xenobiotics with bioluminescent whole-cell biosensors
ANA-PO-27	M. Crosera, F. Larese Filon, M. Bovenzi, G. Maina, E. Reisenhofer, <u>G. Adami</u> Human skin penetration of gold nanoparticles through intact and damaged skin
ANA-PO-28	<u>A. Annibaldi</u> , S. Illuminati, C. Truzzi, G. Scarponi Voltammetric study of the Cd, Pb and Cu content in seawater surrounding the hulk of motor vessel Nicole (Ancona coast)
ANA-PO-29	<u>M. C. Cavallero</u> , D. Fabbri, M. Ginepro, E. Pramauro, V. Zelano Fate of Metolachlor in natural matrices
ANA-PO-30	I. Bonaduce, <u>M. P. Colombini</u> , A. Lluveras GC/MS characterization of polysaccharide materials in samples from painted works of art
ANA-PO-31	<u>F. Rugi</u> , E. Castellano, F. Marino, C. Ghedini, M. Severi, S. Becagli, R. Traversi, R. Udisti Set up of a PIXE, ICP-SF-MS, ICP-AES integrate method for the geochemical characterization of oceanic sediments and its

	application to the analyses of ANDRILL-MIS samples
ANA-PO-32	<u>M. V. Russo</u> , G. Cinelli, I. Notardonato, P. Avino Crude oil markers in seawater contamination: a new analytical approach
ANA-PO-33	A. Caronia, S. Bellomo, L. Brusca, F. Saiano Determination of rare earth element and trace metals of geochemical interest in fumarolic gas. Validation of a ICP/MS method and statistical data evaluation through chemometric treatment
ANA-PO-34	A. Bacaloni, L. Callipo, C. Cavaliere, P. Foglia, <u>P. Giansanti</u> , R. Samperi, Aldo Laganà Liquid chromatography-negative ion atmospheric pressure photoionization-tandem mass spectrometry for the determination of brominated flame retardants in water
ANA-PO-35	L. Camanzi, E. Maiolini, L. Bolelli, E. Ferri, D. Matteuzzi, S. Girotti Study and optimization of bioluminescent bacteria as biosensing element in environmental analysis
ANA-PO-36	<u>S. Zappoli</u> , M. Stracquadanio, I. Gualandi An analytical method for the determination of total and water soluble carbon in fine aerosol particles
ANA-PO-37	L. Amendola, C. Garibaldi, S. Insogna, <u>L. Zoccolillo</u> Development and evaluation of a manual SPME sampler specifically designed for environmental analysis in first responder operations
ANA-PO-38	<u>P. Fermo</u> , A. Piazzalunga, F. Tuccillo, L. Brambilla A multi-analytical approach applied to the study of HUMic Like Substances in aerosol particulate matter
ANA-PO-39	<u>M. Trifuoggi</u> , V. Condorelli, M. Fusco, F. S. Organista, M. Guida, G. Marino, M. L. Mattei, M. Inglese, M. Imperato, L. D'Ambra, G. Riccio Drinking water quality in Italy
ANA-PO-40	<u>M. Trifuoggi</u> , A. D'Amora, V. Condorelli, E. Tufano, S. Tusa Chemical characterization of archaeological obsidian artefacts: a way to knowledge of ancient trade
ANA-PO-41	<u>M. Antonilli</u> , E. Bottari, M. R. Festa, L. Gentile Solubility of calcium deoxycholate
ANA-PO-42	M. Antonilli, E. Bottari, M. R. Festa, <u>L. Gentile</u> Arginine as a ligand of cations: lead (II)
ANA-PO-43	E. Bottari, M. R. Festa, <u>V. Rampino</u> Photodegradation of Vitamine B2
ANA-PO-44	M. G. Persico, D. Merli, M. Remelli, <u>R. Biesuz</u> Direct determination of the free-metal species to evaluate the efficacy of chelating agents for the clinical treatment of metal intoxications - Item 1

ANA-PO-45	<u>P. R. Mussini</u> , T. Mussini, M. Rossi, G. de Paoli Ambrosi Electroanalytical monitoring of free acidity in concentrated organic acid solutions for skin exfoliation
ANA-PO-46	F. Berti, S. Todros, G. Marrazza, G. Faglia, D. Lakshmi, I. Chianella, M. Whitcombe, S. Piletsky, M. Mascini, A. P. F. Turner Template synthesis of polyaniline nanostructures for sensing applications
ANA-PO-47	I. G. Casella, <u>M. Ritorti</u> Silver electrodeposition from alkaline aqueous solutions. An electrochemical and electrocatalytic characterization
ANA-PO-48	L. L. Dieni, P. R. Mussini, T. Mussini, <u>M. Rossi</u> Implementing the pH-metric standardization in aqueous-organic media of extremely high contents of the organic component. Case of acetonitrile
ANA-PO-49	<u>D. Chirizzi</u> , C. Malitesta, R. A. Picca, E. Mazzotta Novel urea biosensor based on urease immobilization in electrosynthesised PPD films
ANA-PO-50	<u>M. R. Guascito</u> , C. Malitesta, D. Chirizzi, E. Mazzotta Development of a new glucose biosensor based on glucose oxidase entrapped in a poly(vinyl alcol) matrix
ANA-PO-51	<u>M. R. Guascito</u> , C. Malitesta, M. Siciliano, T. Siciliano, A. Tepore, A. Turco Spectroscopic and electrochemical characterization of Te microtubes depositated on Pt electrode and their use for the amperometric detection of H ₂ O ₂
ANA-PO-52	<u>E. Mazzotta</u> , C. Malitesta Electrochemical and spectroscopic characterization of an electrosynthesized Co-porphyrin based MIP for the herbicide 2,4-dichlorophenoxy carboxylic acid
ANA-PO-53	F. Arduini, A. Amine, K. Van Velzen, <u>D. Moscone</u> , G. Palleschi Biosensor for Sarin gas: decrease of analysis time by means of kinetic approach
ANA-PO-54	D. Sordi, D. Moscone, V. Conte, <u>G. Palleschi</u> , F. Arduini Analytical chemistry and organic chemistry: a sensor for monitoring the oxidation reactions in ionic liquids
ANA-PO-55	N. Bruzzese, F. Consalvi, A. Macchia, <u>S. Platner</u> , D. Masci, L. Campanella Microbial sensor for biochemical oxygen demand (BOD) useful for dairy plant wastewater inspection
ANA-PO-56	E. De Giglio, S. Cometa, D. Cafagna, <u>L. Sabbatini</u> Analytical investigation of electrosynthesised polyacrylate coatings on TiAlV substrates as anticorrosion barrier
ANA-PO-57	<u>M. Silvestrini</u> , L. M. Moretto, P. Ugo Nanoelectrode Ensembles for the Direct Voltammetric Determination of Trace Iodide in Water

ANA-PO-58	L. Campanella, D. Lelo, E. Martini, M. Tomassetti Affinity constant values and selectivity for three new immunosensors for different pesticide analysis
ANA-PO-59	M. D. Angione, A. Mallardi, G. Romanazzi, G. P. Suranna, G. Palazzo, <u>L. Torsi</u> Transmembrane proteic system based OTFT biosensor
ANA-PO-60	L. Pigani, R. Seeber, F. Terzi, B. Zanfognini, <u>C. Zanardi</u> Conducting polymer modified microelectrodes as amperometric sensors
ANA-PO-61	<u>B. Zanfognini</u> , C. Zanardi, F. Terzi, L. Pigani, R. Seeber Polythiophene-nanoparticles composites as new materials for amperometric sensors
ANA-PO-62	<u>N. Ditaranto</u> , A. Trapani, V. De Giorgio, F. M. Goycoolea Valencia, R. Pilolli, N. Cioffi, L. Sabbatini XPS characterization of chitosan nanoparticles as potential carriers for high molecular weight drugs
ANA-PO-63	D. Addari, S. Coray, B. Elsener, <u>A. Rossi</u> An XPS and electrochemical study on “nickel free” stainless steels in alkaline solutions
ANA-PO-64	A. Rigoldi, M. Fantauzzi, D. Atzei, B. Elsener, <u>A. Rossi</u> Quantitative analysis based on XAES SKLL spectra
ANA-PO-65	<u>R. A. Picca</u> , C. Malitesta Analytical characterization of novel dopamine/TiO ₂ NP-based materials
ANA-PO-66	G. Satriano, G. Lanza, <u>A. M. Salvi</u> , J. E. Castle, A. M. Tamburro Influence of the aminoacidic sequence on the supramolecular organization of hydrophobic sequences of elastin: surface, infrared and computational studies
ANA-PO-67	M. Mattarozzi, M. Musci, M. Careri, A. Mangia, S. Fustinoni, L. Campo, <u>F. Bianchi</u> A novel headspace solid-phase microextraction method using a diethoxydiphenylsilane fibre with in-situ derivatization for the gas chromatographymass spectrometry determination of urinary hydroxy polycyclic aromatic hydrocarbons
ANA-PO-68	<u>E. Pastorini</u> , S. Vecchiotti, P. Simoni, M. E. Raspanti, A. Roda Quantitative profiling of bile acids and their conjugates in biological samples by LC-ES-MS/MS
ANA-PO-69	<u>L. Campanella</u> , D. Amedeo, D. Lelo, E. Martini Analytical separation of iodide and sulphate in Bunsen cycle
ANA-PO-70	<u>G. Carlucci</u> , M. D’Ercole, L. Di Federico, P. Iuliani, M. Locatelli Comparison of different sorbents for the simultaneous SPE of eight NSAIDs from human plasma coupled with HPLC
ANA-PO-71	S. Alcaro, A. Bolasco, <u>R. Cirilli</u> , R. Ferretti, R. Fioravanti, F. La Torre, F. Ortuso, D. Secci Chromatographic studies of chiral discrimination by cellulose

	tris(4-methylbenzoate)
ANA-PO-72	H. Benabdelkamel, L. Di Donna, <u>B. Macchione</u> , A. Naccarato, A. Tagarelli, G. Sindona Rapid determination of sarcosine in biological human fluids samples based on derivatization followed by SPME-GC-MS/MS using the isotope dilution method
ANA-PO-73	M. Di Carro, C. Liscio, <u>E. Magi</u> Development of an analytical method for the study of terpenes in plants by GC-MS
ANA-PO-74	<u>D. Merli</u> , A. Speltini, M. Pesavento, A. Profumo MWCNTs as column packing for gas chromatographic separations
ANA-PO-75	<u>A. Bacaloni</u> , S. Insogna, L. Zoccolillo Large headspace volume analysis through direct cryofocusing and gas chromatography-mass spectrometry

**Divisione di
Didattica Chimica**

	L'insegnamento della Chimica e la nuova scuola
Martedì 7	
	Sala 6
	<i>Chair: Aldo Borsese</i>
14:30 – 14:45	Apertura dei lavori
14:45 – 15:30 DID-KN-1	D. Valentino La nuova scuola: prospettive legislative
15:30 – 16:00	S. Saiello Insegnare Scienze: il Piano ISS e non solo...
16:00 – 16:15	Pausa
16:15 – 17:00 DID-KN-2	M. Branca Indagine OCSE PISA. Quali sono le “responsabilità” della scuola?
17:00 – 17:30 DID-KN-3	I giovani tra Scuola e Università: prospettive di integrazione e continuità G. Amoretti, A. Bonfà, <u>M. M. Carnasciali</u> , G. Lo Nostro
17:30 – 18:00	Discussione
Mercoledì 8	
	Sala 6
	<i>Chair: Silvana Saiello</i>
9:00 – 9:45 DID-KN-4	A. Regis, con E. Roletto, , M. Ghirardi, P. G. Albertazzi, C. Giordano Ma che cos'è la Chimica?,
9:45 – 10:00 DID-OR-1	G. Guaccio Il treno di Calvin - considerazioni epistemiche sul concetto di temperatura
10:00 – 10:15 DID-OR-2	M. Schioppa Il treno di Calvin
10:15 – 10:30 DID-OR-3	M. Taddia Paolo Tassinari (1829-1909): The Neglected Art of Teaching
10:30 – 10:50	Discussione
11:50 – 11:00	Pausa
11:00 – 13:00	Assemblea della Divisione
	Sessione Poster
13:00 – 14:30	Poster DID-PO-1 / 3, 5
Giovedì 9	
	Sala 6
	<i>Chair: Livia Mascitelli</i>
9:00 – 9:45 DID-KN-5	E. Torracca Il laboratorio e l'insegnamento della Chimica
9:45 – 10:00 DID-OR-4	<u>A. Andracchio</u> , S. Zappoli, G. Passarelli, P. Veronesi, R. Andreoli Evaluation rubrics: a tool for laboratory activities assessment in

	chemistry and physics
10:00 – 10:15 DID-OR-5	<u>M. I. Coluzzi</u> , A. di Chiacchio, R. Raucci La didattica laboratoriale nell’era del “Copia-Incolla”
10:15 – 10:30 DID-OR-6	A. Macchia, <u>C. Costanza</u> , L. Campanella, A. Caratelli, N. Bruzzese Muvscience – Virtual Educational Museum of Science
10:30 – 10:45 DID-OR-7	<u>A. Andracchio</u> , S. Zappoli, G. Passarelli Making chemical nomenclature fun: a structured bingo game for learning inorganic compounds name
11:45 – 11:15	Discussione
11:15 – 11:30	Pausa
11:30 – 13:00 DID-KN-6	Formazione degli insegnanti: il ruolo dell’Università ma anche delle Associazioni disciplinari; ne discutono G. Luzzatto, con A. Borsese, A. Pascucci, S. Sgrignoli
	Sessione Poster
13:00 – 14:30	Poster DID-PO-4, 6

	Elenco dei Poster
DID-PO-1	E. Mansueti The role of laboratory in the school of tomorrow
DID-PO-2	<u>M. Veronico</u> , M. Melino Giocando con la tavola periodica: proposta per l’avvio allo studio per gli studenti del I ciclo
DID-PO-3	R. Carlini, <u>M. M. Carnasciali</u> , M. Martinelli Percorso didattico sulle proprietà chimico fisiche della fiamma per il biennio delle scuole secondarie superiori
DID-PO-4	V. Biagiotti, D. Romanazzo, G. Fares, G. Palleschi, M. Paci Chemistry on TV: an interesting educational approach
DID-PO-5	T. Aquila, G. Barone, V. Butrico, M. Colucci, <u>A. Madaio</u> , S. Ruggiero Piano dell’Offerta Formativa 2008/2009: Bioenergia ovvero biocombustibili da fonti rinnovabili
DID-PO-6	T. Cecchi, P. Passamonti Comparison of the performance of PET bottles with and without an oxygen scavenger as regards the shelf life of extra virgin olive oil

**Divisione di
Elettrochimica**

Lunedì 6	
	Sala Nettuno 1
9:00 – 9:30 ELE-KN-1	<u>M. Mastragostino</u> , C. Arbizzani, S. Beninati, L. Damen, M. Lazzari, Francesca Soavi Batteries and supercapacitors for renewable energy plants and sustainable transportation
9:30 – 9:45 ELE-OR-1	<u>F. Di Lupo</u> , G. Meligrana, C. Gerbaldi, J. R. Nair, S. Bodoardo, N. Penazzi, C. Francia Development of nanostructured electrodes for Li-ion secondary batteries
9:45 – 10:00 ELE-OR-2	<u>C. Gerbaldi</u> , J. R. Nair, V. Ijeri, G. Meligrana, F. Di Lupo, S. Bodoardo, R. Bongiovanni, N. Penazzi UV-curing: an efficient and versatile synthesizing tool for Li-based batteries polymer electrolytes
10:00 – 10:15 ELE-OR-3	E. Quartarone, S. Ferrari, <u>P. Mustarelli</u> , P. Ferloni, A. Magistris, M. Fagnoni, C. Gerbaldi PVDF-HFP nanocomposite gels containing PYRA _{1,201} -TFSI ionic liquid as electrolytes for Li ion batteries
10:15 – 10:30 ELE-OR-4	<u>L. Doubova</u> , S. Barison, S. Boldrini, M. Fabrizio, C. Mortalò, C. Pagura Electrical Conductivity of the Proton Conductor BaCe _{0.85-x} Zr _x Y _{0.15} O _{3-δ} Prepared by Sol-Gel Method
10:30 – 10:45 ELE-OR-5	<u>P. Bocchetta</u> , R. Ferraro, F. Di Quarto Improvements in H ₂ /O ₂ thin film fuel cell working with Porous Anodic Alumina-supported electrolytes
10:45 – 11:15	Pausa
11:15 – 11:30 ELE-OR-6	P. Cava, <u>C. Locatelli</u> , A. Minguzzi, S. Rondinini, A. Vertova Bifunctional electrocatalytic IrO ₂ -SnO ₂ nanopowders: the kinetic of the Oxygen Reduction Reaction by Rotating Disk Electrode
11:30 – 11:45 ELE-OR-7	L. Vázquez-Gómez, <u>S. Cattarin</u> , P. Guerriero, M. Musiani Efficient cathodes for the hydrogen evolution reaction obtained by (co)deposition of porous Ni and noble metals or metal oxides
11:45 – 12:00 ELE-OR-8	<u>A. S. Aricò</u> , V. Baglio, A. Stassi, F. Matera, V. Antonucci Investigation of a Direct Methanol Fuel Cell Mini-Stack Under Passive-Mode Operation
12:00 – 12:15 ELE-OR-9	<u>C. Arbizzani</u> , S. Beninati, A. Varzi, M. Mastragostino Different synthesis routes of carbon supported PtRu for methanol oxidation
12:15 – 12:30 ELE-OR-10	<u>F. Decker</u> , A. Petrocco, A. Di Carlo, M. Liberatore Study of the influence of I ₃ ⁻ /I ⁻ and Co ^(III) /Co ^(II) based electrolytes on Dye Solar Cells (DSC) performances
12:30 – 12:45	<u>A. Minguzzi</u> , D. Battistel, J. Rodriguez-Lopez, C. Locatelli, A.

ELE-OR-11	Vertova, S. Daniele, S. Rondinini, A. J. Bard Rapid screening of reversible fuel-cell electrocatalysts by double pulse scanning electrochemical microscopy
12:45 – 13:00 ELE-OR-12	<u>M. Santamaria</u> , P. Bocchetta, F. Di Franco, F. Di Quarto Room temperature electrodeposition of photoactive Cd(OH) ₂ nanowires
Martedì 7	
	Sessione Poster
13:00 – 14:30	Poster ELE-PO-1, 5 / 7, 10, 12, 17, 18
	Sala Tritone
	Sessione congiunta con la Divisione di Chimica Fisica
14:30 – 15:10 ELE-KN-2	<u>M. Giorgio</u> , F. Paolucci, M. Marcaccio, S. Rapino, R. Marcu, P. G. Pelicci Electrochemical approaches to biological systems
15:10 – 15:25 FIS-OR-5	<u>S. Binetti</u> , A. Le Donne, M. Acciarri Organolanthanide down-shifters to improve Si-based solar cell efficiency
15:25 – 15:40 ELE-OR-13	<u>A. Vertova</u> , L. Falciola, S. Rondinini, G. Branchini, D. E. Khoshdariya, T. Dolidze, S. Quici, M. Cavazzini Electron-transfer through Au-supported thiolterminated SAMs bearing bipyridyl/phenanthrolyl groups
15:40 – 15:55 FIS-OR-8	<u>G. Calogero</u> , G. Di Marco, A. Sinopoli, S. Caramori, C. A. Bignozzi Recent developments in Dye Sensitized Solar Cells using betalain and anthocyanins as sensitizers extracted from fruits and flowers
15:55 – 16:10 ELE-OR-14	<u>S. Monari</u> , G. Battistuzzi, M. Borsari, C. Dennison, A. Ranieri, M. Sola Thermodynamics and kinetics of the electron transfer process for Azurin from <i>Pseudomonas aeruginosa</i> immobilized on hydrophobic SAMs
16:10 – 16:20	Pausa
16:20 – 17:00 FIS-KN-4	F. Maran Electron Transfer in Peptides
17:00 – 17:15 ELE-OR-15	M. Iurlo, D. Paolucci, M. Marcaccio, S. Rapino, <u>F. Paolucci</u> Electron transfer in pristine and functionalised carbon nanotubes
17:15 – 17:30 FIS-OR-15	<u>L. Franco</u> , M. Ruzzi, L. Bonoldi, L. Montanari, R. Po', G. Schimperia, A. Toffoletti Time-Resolved EPR of photoinduced electron transfer in conjugated polymer-fullerene blends
17:30 – 17:45 ELE-OR-16	M. A. Rampi Redox Centres Organized in a Metal-molecules-Metal Junctions: From Molecular Transistors to Ohmic Regime
17:45 – 18:00	<u>E. Gatto</u> , A. Porchetta, M. Caruso, C. Toniolo, F. Formaggio,

FIS-OR-17	M. Venanzi Photocurrent Generation in Peptide based Self-Assembled Monolayers Functionalized with Electron Transfer Antenna Chromophores
Mercoledì 8	
	Sala Nettuno 1
9:00 – 9:30 ELE-KN-3	<u>S. Daniele</u> , D. Battistel, C. Bragato, M. A. Baldo Voltammetry and Scanning Electrochemical Microscopy (SECM) for investigating micro- and nano-porous systems
9:30 – 9:45 ELE-OR-17	<u>N. Bortolamei</u> , A. Gennaro, A. A. Isse, V. Di Marco Thermodynamic properties of copper complexes used as catalysts in Atom Transfer Radical Polymerization
9:45 – 10:00 ELE-OR-18	<u>A. A. Isse</u> , C. Durante, G. Sandonà, A. Gennaro Reductive cleavage of polychloromethanes at catalytic and non-catalytic electrodes
10:00 – 10:15 ELE-OR-19	M. Orsini, I. Chiarotto, M. Feroci, <u>G. Sotgiu</u> , A. Inesi Benzoin condensation in 1,3-dialkylimidazolium ionic liquids via electrochemical generation of N-heterocyclic carbene
10:15 – 10:30 ELE-OR-20	T. Benincori, V. Bonometti, A. Bossi, E. Licandro, S. Maiorana, <u>P. R. Mussini</u> , S. Rampinini, F. Sannicolò Electrochemistry of multithiophene-based oligomers
10:30 – 10:45 ELE-OR-21	<u>C. Fontanesi</u> , C. Bruno, M. Marcaccio, F. Paolucci, R. Benassi, C. A. Bortolotti, A. Muccia, F. Parenti, L. Preti, L. Schenetti Experimental and theoretical investigation of the p- and n-doped states of alkylsulfanyl octithiophenes
10:45 – 11:15	Pausa
11:15 – 11:30 ELE-OR-22	<u>G. Cappelletti</u> , S. Ardizzzone, C. Ricci Electrochemical response for NO ₂ in WO ₃ sensors by surfactant assisted ageing
11:30 – 11:45 ELE-OR-23	<u>A. Zanelli</u> , S. Bassini, M. Giorgetti Polyelectrolyte based impedimetric sensor for ethanol detection in hydrocarbons
11:45 – 12:00 ELE-OR-24	<u>S. Vesco</u> , D. Romanazzo, G. Volpe, F. Ricci, D. Moscone, G. Palleschi Electrochemical method for the simultaneous determination of T-2 and HT-2 trichothecene toxins in cereal based food and feed
12:00 – 12:15 ELE-OR-25	A. A. Isse, P. R. Mussini, <u>A. Gennaro</u> New insights on electrocatalysis and dissociative electron transfer mechanisms: the case of aryl bromides
12:15 – 12:30 ELE-OR-26	<u>S. Rapino</u> , R. Marcu, F. Paolucci, M. Marcaccio, M. Giorgio Electrochemical investigation of ROS Production in Biological Environment
12:30 – 12:45 ELE-OR-27	<u>M. Innocenti</u> , S. Bellandi, F. Loglio, G. Pezzatini, A. Pozzi, M. L. Foresti

	Atomic Force Microscopy: growth of thin films under morphological control
12:45 – 13:00 ELE-OR-28	<u>V. Arima</u> , S. Kumar, F. Matino, G. Maruccio, M. Piacenza, F. Della Sala, F. Paolucci, M. Iurlo, M. Marcaccio, L. Zoli, P. G. Cozzi, A. Bramanti, R. Cingolani, R. Rinaldi Bisferrocene derivatives for quantum dot computing cells
Giovedì 9	
	Sala Nettuno 1
9:00 – 9:15	L. Lazzari Ricordo del Prof. Pietro Pedferri
9:15 – 9:35 ELE-OR-29	Premio di Dottorato Fiamm R. Inguanta Anodic Alumina Membranes: from electrochemical growth to use as template for nanostructure fabrication
9:35 – 9:55 ELE-OR-30	Premio di Dottorato Fondazione Oronzio e Niccolò De Nora <u>M. Mancini</u> , F. Nobili, R. Marassi, P. Kubiak, M. Wohlfahrt-Mehrens Improved anodic materials for lithium-ion batteries: surface modification by metal deposition and electrochemical characterization of oxidized graphite and titanium dioxide electrodes
9:55 – 10:15 ELE-OR-31	Premio di Dottorato Fondazione Oronzio e Niccolò De Nora S. Zanarini New materials for electrochemiluminescence
10:15 – 10:35 ELE-OR-32	Premio di Laurea AMEL G. Aricci Silver based Gas Diffusion Electrodes for electrocatalytic hydrodehalogenation of polychlorinated volatile organic compounds
10:35 – 10:55 ELE-OR-33	Premio di Laurea Metrohm <u>L. Gianni</u> , J. Hassun, S. Panero Synthesis and characterization of new electrolyte systems for the study of electrochemical process of copper and its alloys
10:55 – 11:15 ELE-OR-34	Premio di Laurea Photo Analytical – In memoria del Prof. Pedferri <u>A. Trombetta</u> , L. Lazzari, M. Ormellese, M. V. Diamanti, M. P. Pedferri, E. A. Pérez Rosales Characterization of titanium dioxide films by means of potentiodynamic polarization and EIS
11:15 – 11:45	Pausa
11:45 – 13:00	Assemblea della Divisione
	Sessione Poster
13:00 – 14:30	Poster ELE-PO-2 / 4, 8, 9, 11, 13 / 16
Venerdì 10	
	Sala Nettuno 1

9:00 – 9:30 ELE-KN-4	L. Lazzari Cathodic Protection and cathodic prevention by passivity
9:30 – 9:45 ELE-OR-35	<u>A. M. Polcaro</u> , S. Palmas, J. Rodriguez Ruiz, A. Da Pozzo, A. Vacca, M. Mascia Innovative processes for sustainable chemistry: experimental study on the selective oxidation of glycerol
9:45 – 10:00 ELE-OR-36	<u>D. Meroni</u> , S. Ardizzone, C. L. Bianchi, G. Cappelletti, D. Poelman, H. Poelman Nanostructured TiO ₂ films by spin coating for air remediation
10:00 – 10:15 ELE-OR-37	<u>C. Guarisco</u> , G. Filardo, A. Galia, G. Silvestri, O. Scialdone Electrochemical incineration of oxalic acid in a micro-gap flow cell
10:15 – 10:30 ELE-OR-38	<u>C. Durante</u> , G. Sandonà, A. A. Isse, A. Gennaro Role of organic substances on the solubility and abatement of Cr(III) and Cr(VI)
10:30 – 10:45 ELE-OR-39	<u>F. Spadavecchia</u> , S. Ardizzone, C. L. Bianchi, G. Cappelletti, S. Cappelli, C. Oliva Preparation of n-doped TiO ₂ nanoparticles. Photocatalytic lifetime and self cleaning performance
10:45 – 11:15	Pausa
11:15 – 11:30 ELE-OR-40	<u>A. Colombo</u> , E. Guerrini, S. Trasatti Electroactive defects induced by Nickel oxide on nanostructured Ru oxide
11:30 – 11:45 ELE-OR-41	<u>E. Guerrini</u> , A. Colombo, S. Trasatti Electrocatalytic Effects induced by Laser Irradiation and Atom Bombardment on RuO ₂ Electrodes
11:45 – 12:00 ELE-OR-42	<u>S. Ferro</u> , A. De Battisti Features of dimensionally stable anodes and related selectivities towards the chlorine evolution reaction
12:00 – 12:15 ELE-OR-43	<u>M. Donatoni</u> , V. Ferri, J. Reichenbach, L. Wick, R. Epifani, D. Salmi, M. Collina Study on germicidal activity of electrochemical activated solutions. Efficacy towards some apple and pear pathogens
12:15 – 12:30 ELE-OR-44	<u>L. Guadagnini</u> , B. Ballarin, M. Giorgetti, A. Mignani, E. Scavetta, D. Tonelli Electrocatalytic performances of pure and mixed hexacyanoferrates of copper and palladium for the reduction of hydrogen peroxide
12:30 – 12:45 ELE-OR-45	<u>L. Samiolo</u> , R. Amadelli, D. Gazzoli, M. Valigi Visible light photo-electrocatalytic oxidation of alcohols on BiVO ₄ compared with nitrogen doped TiO ₂
12:45 – 13:00 ELE-OR-46	<u>S. Palmas</u> , A. M. Polcaro, J. Rodriguez Ruiz, A. Da Pozzo, A. Vacca, M. Mascia, P. C. Ricci TiO ₂ modified electrodes for photoelectrochemical water-splitting

	Elenco dei Poster
ELE-PO-1	<u>D. Battistel</u> , S. Daniele, G. Battaglin, C. Bragato Visualisation of Microporosity Within Amorphous Alumina Thin Films by using Voltammetry and Scanning Electrochemical Microscopy (SECM)
ELE-PO-2	A. Naldoni, <u>C. L. Bianchi</u> , S. Ardizzzone, G. Cappelletti, L. Ciceri, A. Schibuola, C. Pirola, M. Pappini Degradation of a cationic surfactant in water by nano-TiO ₂ : the role of the pressure
ELE-PO-3	<u>L. Borgese</u> , M. Zucca, E. Bontempi, L. E. Depero Electrochemical and structural characterization of ALD deposited titania (TiO ₂) thin films
ELE-PO-4	F. Milanese, S. Ardizzzone, <u>G. Cappelletti</u> , C. L. Bianchi, C. Pirola TiO ₂ layers with tunable wettability and buoyancy properties
ELE-PO-5	F. Decker, A. Petrocco, <u>F. Caprioli</u> , A. Di Carlo, M. Liberatore Analysis of redox electrolytes in Thin Layer Devices for Solar Cells (DSC) applications
ELE-PO-6	<u>F. Caprioli</u> , M. Beccari, A. Martinelli, V. Di Castro, F. Decker A multi-technique approach to the analysis of SAMs of aromatic thiols on copper
ELE-PO-7	L. Campanella, <u>F. Croce</u> , I. Meschini Electron-transfer Kinetics of Cytochrome c Immobilized on a Self-Assembled Alkanethiol Monolayer on Gold Electrode studied by SECM (Scanning Electrochemical Microscopy)
ELE-PO-8	A. A. Isse, N. Bortolamei, <u>A. Gennaro</u> Estimation of standard reduction potentials of alkyl radicals involved in atom transfer radical polymerization (ATRP)
ELE-PO-9	<u>R. Inguanta</u> , G. Ferrara, S. Piazza, C. Sunseri Raman spectroscopy of lead dioxide nanowires
ELE-PO-10	<u>M. Innocenti</u> , S. Bellassai, C. Bianchini, F. Carlà, F. Loglio, L. Polonia, F. Vizza, M. L. Foresti Confined electrodeposition of metals and semiconductors
ELE-PO-11	<u>A. A. Isse</u> , C. Durante, M. Boarini, A. Gennaro Electrocarboxylation of bromobenzenes at Ag and Cu cathodes for the synthesis of functionalized benzoic acids
ELE-PO-12	A. Carollo, V. Kurdakova, A. Magistris, <u>P. Mustarelli</u> , E. Quartarone, S. Bodoardo Pyridine-based PBI composite membranes for PEMFCs
ELE-PO-13	<u>A. Morozov</u> , S. Neodo, S. Ferro, A. De Battisti Electrochemistry of the chlorine-water system
ELE-PO-14	A. Gennaro, A. A. Isse, Y. A. Aguilar Arevalo, <u>P. R. Mussini</u> , M. Rossi The solvent role in the electrocatalytic cleavage of carbon-halogen bonds on silver

ELE-PO-15	G. D'Alfonso, D. Donghi, E. Quartapelle Procopio, M. Mauro, M. Panigati, P. Mercandelli, F. Sannicolò, <u>P. Mussini</u> Electrochemistry of Luminescent Dinuclear Re(I) Complexes with Bridging 1,2 Diazine Ligands: Redox Processes and Electropolymerization
ELE-PO-16	<u>M. Rossi</u> , P. Mussini, F. Ragaini, M. Viganò Electrochemistry of the innovative, quinone-mimic <i>bis</i> -(arylimino)acenaphthene (Ar-BIAN) compound class
ELE-PO-17	<u>E. Verlato</u> , S. Cattarin, N. Comisso, P. Guerriero, M. Musiani Electrodeposition of Cu+PdO/Pd Composites
ELE-PO-18	<u>M. Lo Faro</u> , D. La Rosa, M. Minutoli, G. Monforte, V. Antonucci, A. S. Aricò Recent Advances in Modified Perovskite Materials for Solid Oxide Fuel Cell Anodes

**Divisione di
Chimica Farmaceutica**

Lunedì 6	
	Sala Sirene <i>Chair: Manlio Palumbo</i>
9:00 – 9:50 FAR-IL-1	C. Ferlini, S. Butini, C. Fattorusso, E. Novellino, D. Zisterer, M. Mc Gee, <u>G. Campiani</u> Strategies to Potential Anticancer Agents Functionally Mimicking Activity of Nur-77 on Bcl-2 or Targeting Tubulins
9:50 – 10:25 FAR-KN-7	<u>F. Minutolo</u> , S. Bertini, A. De Cupertinis, C. Granchi, A. Martinelli, S. Rapposelli, T. Tuccinardi, V. Calderone, A. Martelli, L. Testai, J. R. Gunther, K. E. Carlson, J. A. Katzenellenbogen, M. Macchia Salicylaldoxime-based ligands for estrogen receptor beta showing potent agonist properties
10:25 – 11:00 FAR-KN-8	V. Summa Discovery, synthesis and optimization of a new class of HIV Integrase inhibitors for AIDS therapy: the development of Isentress TM
11:00 – 11:20	Pausa
11:20 – 11:40 FAR-OR-20	<u>F. Thaler</u> , A. Mai, A. Colombo, C. Bigogno, R. Boggio, N. Regalia, M. G. Rozio, S. Vultaggio, S. Gagliardi, S. Minucci, C. Mercurio, M. Varasi Synthesis and Structure-Activity Relationships of Phenylloxopropenyl- and Amidopropenyl-Hydroxamic Acid Derivatives as HDAC Inhibitors
11:40 – 12:00 FAR-OR-9	<u>I. Gomez-Monterrey</u> , A. Bertamino, C. Aquino, M. Sala, N. De Simone, M. Giustiniano, S. Di Maro, P. Grieco, P. Campiglia, E. Novellino Natural-product inspired small molecules. Strategies for design and identification of new cytotoxic agents
12:00 – 12:20 FAR-OR-13	<u>M. Radi</u> , S. Schenone, M. Botta Design, Synthesis and Biological Evaluation of Dual Src/Abl Inhibitors active against Imatinib-Resistant Cell Lines
12:20 – 12:40 FAR-OR-14	S. Turrone, D. Pizzirani, P. Brigidi, <u>M. Roberti</u> , M. Tolomeo, M. Recanatini Comparative proteomic profiling of the human chronic myelogenous leukemia K562 cells treated with bi- and ter-phenyl-based chemical probes
12:40 – 13:00 FAR-OR-7	<u>C. Dallanocce</u> , C. Tränkle, U. Holzgrabe, K. Mohr, M. De Amici, C. De Micheli Dual orthosteric/allosteric ligands: a novel paradigm for muscarinic acetylcholine receptor activation
	Sessione Poster
13:00 – 15:30	Poster FAR-PO-1 / 2, 4 / 20, 22 / 27
Martedì 7	

	Sessione Poster
13:00 – 14:30	Poster FAR-PO-3, 21, 28 / 56
	Sala Sirene
14:40 – 15:00 FAR-OR-21	Incontro con la Società Chimica Cubana A. J. Núñez Sellés, L. Rastrelli Chemical Composition of the Mango Stem Bark Extract (<i>Mangifera indica</i> L)
15:00 – 15:50	Medaglia Pratesi
15:50 – 16:10	1° Premio Farindustria
16:10 – 16:30	2° Premio Farindustria
16:30 – 19:30	Assemblea della Divisione
Mercoledì 8	
	Sala Sirene <i>Chair: Gloria Cristalli</i>
9:00 – 9:50 FAR-IL-3	A. J. Olson Challenges and Opportunities for Computational Docking in Structure based Drug Design
9:50 – 10:25 FAR-KN-4	P. Diana Annelated Isoindoles with Potent Antitumor Activity
10:25 – 11:00 FAR-KN-2	I. Beria Drug discovery in NMS: Identification of a class of potent oral Plk1 specific inhibitors
11:00 – 11:20	Pausa
11:20 – 11:40 FAR-OR-1	<u>S. Alcaro</u> , A. Artese, G. Costa, F. Ortuso, L. Parrotta Computational study on DNA G-quadruplex binding compounds
11:40 – 12:00 FAR-OR-6	<u>E. Colizzi</u> , R. Perozzo, L. Scapozza, M. Recanatini, A. Cavalli Atomistic simulations discern active from inactive ligands of the β -hydroxyacyl-ACP dehydratase of <i>Plasmodium falciparum</i>
12:00 – 12:20 FAR-OR-11	<u>A. Macchiarulo</u> , M. Cellanetti, R. Pellicciari Combining Homology Modeling, Docking and Molecular Dynamic Simulations to Study the Binding Mode and Mechanism of Action of Ligands to the Small Heterodimer Partner (SHP)
12:20 – 12:40 FAR-OR-18	<u>S. Simeoni</u> , A. Mai, G. Sbardella, E. Novellino, R. Ragno Exploring the PRMT inhibitor binding features using 3-D QSAR technique and pharmacophore modeling
12:40 – 13:00 FAR-OR-3	<u>G. Brusotti</u> , S. Tosi, A. M. Picco, G. Vidari, C. Gandini, G. Caccialanza Preliminary study on active compounds in methanolic steam bark extract from <i>Piptadeniastrum africanum</i> (Hook. f.) Brenan
	Sessione Poster
13:00 – 15:30	Poster FAR-PO-57 / 84
Giovedì 9	
	Sala Sirene <i>Chair: Giuseppe Ronsisvalle</i>

9:00 – 9:50 FAR-IL-5	K. Jozwiak, A. Yiu-Ho Woo, M. J. Tanga, L. Toll, L. Jimenez, J. A. Kozocas, A. Plazinska, R.-P. Xiao, <u>I. W. Wainer</u> The design and testing of a new family of compounds for the treatment of heart failure: A case study of translational research
9:50 – 10:25 FAR-KN-3	<u>C. Bertucci</u> , M. Pistolozzi, M. Canala, M. Bartolini, M. Amasio Modulation of the protein-protein association in drug discovery
10:25 – 11:00 FAR-KN-5	<u>M. Leopoldo</u> , E. Lacivita, A. C. Masotti, F. Berardi, R. Perrone Fluorescent Probes for Serotonergic and Dopaminergic Receptors
11:00 – 11:20	Pausa
11:20 – 11:40 FAR-OR-15	L. Guandalini, M. Del Lungo, S. Dei, D. Manetti, S. Scapecchi, E. Teodori, E. Cerbai, L. Sartiani, <u>M. N. Romanelli</u> Design, synthesis and electrophysiological studies of new blockers of HCN channels
11:40 – 12:00 FAR-OR-17	A. Scilimati Cyclooxygenase catalytic binding site demand for diarylisoxazole highly selective inhibition
12:00 – 12:20 FAR-OR-2	M. Naldi, M. Bartolini, D. Nicolau, <u>V. Andrisano</u> Amyloid- β peptide self-assembly kinetics by AFM (atomic force microscopy) and Maldi-ToF mass spectrometry
12:20 – 12:40 FAR-OR-8	L. Regazzoni, R. Colombo, L. Bertoletti, M. Carini, R. Maffei Facino, G. Caccialanza, G. Aldini, <u>E. De Lorenzi</u> Mass spectrometry and affinity capillary electrophoresis: an integrated approach for rapid screening of proteindrug binding
12:40 – 13:00 FAR-OR-12	<u>C. Mugnaini</u> , S. Pasquini, A. Ligresti, E. Palazzo, S. Maione, V. Di Marzo, F. Corelli 6-Substituted 4-quinolone-3-carboxamide derivatives: synthesis, biological investigation and SAR studies
	Sessione Poster
13:00 – 15:30	Poster FAR-PO-85 / 111
Venerdì 10	
	Sala Sirene <i>Chair: Carlo De Micheli</i>
9:00 – 9:50 FAR-IL-2	H. Nagase Can ‘Metzincin’ Metalloproteinases Be Therapeutic Targets?
9:50 – 10:25 FAR-KN-1	G. Alvaro Drug discovery applied to neurokinin receptors: from bench to clinic
10:25 – 11:00 FAR-KN-6	<u>M. Marinozzi</u> , D. Bellocchi, A. Carotti, E. Rosatelli, F. Venturoni, L. Amori, R. Schwarcz, R. Pellicciari Manipulation of the Kynurenine Pathway: In Search for Kynurenine Aminotransferase II (KAT II) Inhibitors, Valuable Tools for the Biochemical and Functional Characterization of This Enzyme
11:00 – 11:20	Pausa

11:20 – 11:40 FAR-OR-5	L. Pisani, <u>M. Catto</u> , O. Nicolotti, F. Leonetti, A. Stefanachi, A. Carotti Heterodimeric dual binding site cholinesterase inhibitors: surfing on the sub-nanomolar affinity
11:40 – 12:00 FAR-OR-19	<u>S. Taliani</u> , F. Simorini, M. Bellandi, O. Awwad, S. Salerno, C. La Motta, A. M. Marini, F. Da Settimo, B. Cosimelli, G. Greco, E. Novellino, E. Da Pozzo, C. Martini Targeting the Translocator Protein (TSPO) with 2-Phenylindol-3-ylglyoxylamide Derivatives
12:00 – 12:2 FAR-OR-16 0	D. Rossi, A. Carnevale Baraglia, O. Azzolina, M. Amadio, A. Pascale, S. Govoni, S. Collina Small peptides able to mimic ELAV RNA-binding proteins: preparation and biological evaluation
12:20 – 12:40 FAR-OR-10	<u>A. Iacovo</u> , G. Miele, G. Cuzzucoli Crucitti, F. Rosi, V. Pepe, C. Verlinde, M. Gelb, E. Novellino, R. Costi, R. Di Santo Novel azole derivatives as anti-Chagas agents targeted to lanosterol 14-demethylase of <i>T. cruzi</i>
12:40 – 13:00 FAR-OR-4	A. Carotenuto Antimicrobial peptides Temporin L, A and their analogues: NMR and molecular dynamics studies in membrane mimetic environment

	Elenco dei Poster
FAR-PO-1	D. Ambrosini, G. Gioia Lobbia, G. Giorgioni, G. Papini, M. Pellei, W. Quaglia, C. Santini, M. Tegoni, J. S. Lewis Design and synthesis of novel functionalized N _x S _y macrocyclic Cu(II) chelators as disease-targeted radiopharmaceuticals
FAR-PO-2	<u>A. Ammazalorso</u> , L. Giampietro, B. De Filippis, A. Giancrisofaro, M. Di Tullio, A. Moschetta, F. Lannutti, A. Marrone, N. Re, R. Amoroso, G. Bettoni Synthesis, biological evaluation and molecular modelling of new PPAR α agonists
FAR-PO-3	G. Cristalli, <u>I. Antonini</u> , D. Dal Ben, C. Lambertucci, D. S. Panmand, C. E. Müller, R. Volpini Synthesis of new adenine derivatives as “adenine receptor” ligands
FAR-PO-4	<u>C. Aquino</u> , I. Granata, N. De Simone, S. Musella, E. Novellino Synthesis and cytotoxic activity of a new fully aromatic aminoquinone-based derivatives
FAR-PO-5	<u>L. Auriemma</u> , P. Campiglia, A. Catania, S. Di Maro, P. Grieco, S. Malfi, C. Marcozzi, E. Novellino Design and synthesis of new potent melanocortin peptides with candidacidal activity
FAR-PO-6	<u>A. Baraldi</u> , S. Franchini, L. I. Manasieva, A. Cilia, E. Poggesi, L. Brasili Structural modifications of 1-(1,4-Dioxa-spiro[4.5]dec-2-ylmethyl)-

	4-(2-methoxy-phenyl)-piperazine: SAR at α_1 and 5-HT _{1A} Receptors
FAR-PO-7	<u>P. Barraja</u> , P. Diana, A. Montalbano, A. Carbone, G. Dattolo, G. Cirrincione Pyrazolo[3,4- <i>h</i>]quinolin-2-ones with Potential Antitumor Activity
FAR-PO-8	M. M. Carrozzo, G. Cannazza, U. <u>Battisti</u> , D. Braghiroli, C. Parenti Simultaneously determination of enantiomerization and hydrolysis kinetic parameters of chiral N-alkylbenzothiadiazine derivatives
FAR-PO-9	<u>A. Bertamino</u> , N. De Simone, A. Di Stasio, V. Di Marzo, E. Novellino Design and Synthesis of Peripherally Restricted Transient Receptor Potential Vanilloid 1 (TRPV1) Modulators
FAR-PO-10	<u>M. Biava</u> , G. C. Porretta, G. Poce, L. Sautebin, P. Patrignani, C. Ghelardini, A. Giordani, M. Anzini Potent in vitro and in vivo novel 1,5-Diarylpyrrole-3-acetic Esters COX-2 inhibitors
FAR-PO-11	F. Chimenti, <u>A. Bolasco</u> , R. Fioravanti, F. Manna, F. Rossi, D. Secci, P. Chimenti, B. Bizzarri, A. Granese, S. Carradori, F. Orallo, F. Ortuso, S. Alcaro Chalcones: A Valid Scaffold for Monoamine Oxidases Inhibitors
FAR-PO-12	<u>G. Brusotti</u> , M. Myftaraj, T. A. Ngueyem, R. Biesuz, C. Gandini, G. Caccialanza Detection of Key Factors in the Extraction of Polyphenolic Compounds from <i>Bridelia Grandis</i> stem bark by chemometric approach
FAR-PO-13	<u>E. Camaioni</u> , G. Pittelli, P. Liscio, R. Nuti, A. Macchiarulo, R. Sardella, A. Chiarugi, F. Moroni, R. Pellicciari Combined strategies toward the design and synthesis, of novel inhibitors of indoleamine-2,3-dioxygenase (IDO)
FAR-PO-14	<u>F. Campagna</u> , M. Catto, A. Carotti, S. Cellamare, F. Palluotto, R. Purgatorio Synthesis and biological evaluation of arylhydrazone derivatives of indoles and indolin-2-ones as β -amyloid aggregation inhibitors
FAR-PO-15	<u>G. Cannazza</u> , M. M. Carrozzo, U. Battisti, D. Braghiroli, C. Parenti Enantiomerization and hydrolysis of ($\pm$)IDRA21 by stopped-flow multidimensional HPLC
FAR-PO-16	<u>A. Carrieri</u> , W. Quaglia, A. Piergentili, F. Del Bello, M. Giannella, M. Pigni, A. Leonardi, F. Fanelli Molecular determinants in the binding of novel 1,4-benzodioxan-related α_{1D} -adrenergic receptor antagonists: a computational study
FAR-PO-17	<u>A. Caruso</u> , J.-C. Lancelot, A. Panno, C. Saturnino, A. Garofalo, M. S. Sinicropi, S. Rault Efficient synthesis of pyrimidocarbazoles by a three-component reaction
FAR-PO-18	<u>F. Cateni</u> , M. Zacchigna, P. Martinuzzi, S. Drioli, G. M. Bonora Synthesis and Pharmacological Properties of a Mixed Drug System

	Conjugated to a Single High-Molecular Weight MultiPEG-derivative
FAR-PO-19	<u>A. Chilin</u> , G. Marzaro, G. Pastorini, M. Dalle Carbonare, A. Guiotto <i>N</i> -Acyl- ω -aminoacid ethanolamides resembling anandamide structure: synthesis and biological evaluation
FAR-PO-20	L. De Luca, S. Ferro, S. Agnello, R. Gitto, A. M. Monforte, N. Iraci, M. L. Barreca, Z. Debyser, <u>A. Chimirri</u> A structure-based approach to ligand discovery for inhibition of HIV-1 IN-LEDGF/p75 interaction: a new target for anti-AIDS therapy
FAR-PO-21	<u>S. Collina</u> , D. Rossi, A. Pedrali, O. Prezzavento, G. Ronsisvalle, J. Caballero, M. Fernandez, L. Fernandez, O. Azzolina Design, synthesis and biological evaluation of new sigma ligands based on arylalkenylaminic scaffold
FAR-PO-22	<u>A. Coluccia</u> , G. La Regina, C. Giordano, A. Sansone, A. Brancale, J. Neyts, P. Leyssen, E. Novellino, R. Silvestri Drug Design of New NS3/4A HCV Serine Protease Inhibitors. Structure-Based and Ligand-Based Approaches
FAR-PO-23	L. Tamborini, <u>P. Conti</u> , A. Pinto, M. C. Iannuzzi, C. De Micheli Synthesis of TBOA homologues and evaluation of their activity as Glutamate transporter inhibitors
FAR-PO-24	<u>E. Corbo</u> , M. Muraglia, F. Van Bambeke, A. Catalano, M. A. Florio, M. Nesi, G. Santoro, C. Franchini Design, synthesis and in vitro preliminary studies of 2-mercaptobenzothiazole derivatives
FAR-PO-25	S. Pasquini, C. Mugnaini, <u>F. Corelli</u> , A. Ligresti, M. G. Cascio, V. Di Marzo, S. Maione, E. Palazzo Structure-Activity Relationship of Substituted 4-Quinolone-3-carboxamide Derivatives as Selective CB2 Ligands
FAR-PO-26	I. Cacciatore, <u>C. Cornacchia</u> , A. Mollica, F. Feliciani, A. Di Stefano, P. Sozio, A. Iannitelli, L. S. Cerasa, F. Pinnen Synthesis and biological evaluation as anti-Parkinson agent of an analogue of Glutathione-L-Dopa containing methionine in place of the cysteinil residue
FAR-PO-27	<u>R. Costi</u> , V. Pepe, G. Cuzzucoli Crucitti, G. Miele, A. Iacovo, F. Rosi, V. Di Marzo, E. Novellino, R. Di Santo New ligands of the endocannabinoid receptors CB ₁ and CB ₂ characterized by azole moieties
FAR-PO-28	<u>G. Cristalli</u> , M. Buccioni, D. Dal Ben, C. Lambertucci, D. Giacobbe, G. Marucci, S. Vittori, R. Volpini Substituted adenine and deaza adenine nucleotides as antagonists of human platelets P2Y ₁ receptor
FAR-PO-29	<u>G. Cuzzucoli Crucitti</u> , G. Miele, A. Iacovo, F. Rosi, V. Pepe, E. Novellino, R. Di Santo, R. Costi Synthesis of quinolinone derivatives as potential inhibitors of HIV-1 integrase

FAR-PO-30	A. Salvador, D. Vedaldi, G. Viola, P. Gobelny, <u>F. Dall'Acqua</u> Phototoxicity of statins
FAR-PO-31	<u>M. de Candia</u> , G. Lopopolo, F. Fiorella, C. Altomare Synthesis, biological activity and SARs of new heteroaryl-substituted isonipecotanilide inhibitors of the blood coagulation factors
FAR-PO-32	A. Lavecchia <u>C. Di Giovanni</u> , P. Stiuso, A. Dicitore, D. Vanacore, E. Novellino Discovering novel chemical inhibitors of STAT3: virtual screening and bioassay
FAR-PO-33	<u>S. Di Maro</u> , R.-C. Pong, J.-T. Hsieh, J.-M. Ahn Structure-Activity Relationship Study of New FK228 Analogues as Antitumor Agents
FAR-PO-34	R. Di Santo, F. Rosi, G. Miele, G. Cuzzucoli Crucitti, A. Iacovo, V. Pepe, E. Tramontano, C. Pannecoque, E. Novellino, R. Costi Synthesis and biological evaluation of pyrrolyl diketo hexenoic acid derivatives as RNase H of HIV inhibitors
FAR-PO-35	P. Diana, A. Carbone, P. Barraja, A. Martorana, M. Pennati, A. Lopergolo, N. Zaffaroni, G. Cirrincione 3-[2-(1 <i>H</i> -Indol-3-yl)-1,3-thiazol-4-yl]-1 <i>H</i> -pyrrolo[3,2- <i>b</i>]pyridine: a New Series of Kinase Inhibitors
FAR-PO-36	F. Antonietti, N. Battista, <u>A. Duranti</u> , A. Lodola, M. Mor, D. Piomelli, S. Rivara, C. Solorzano, G. Tarzia, A. Tontini, C. Zhu α -Acylamino- β -lactones as a new class of <i>N</i> -acylethanolamine-hydrolyzing acid amidase (NAAA) inhibitors: synthesis and structure-activity relationships
FAR-PO-37	M. Grimaldi, M. De Rosa, C. Saturnino, M. Sanguinetti, A. Soriente, <u>A. M. D'Ursi</u> Synthesis and antimicrobial activity of new antifungal peptides
FAR-PO-38	A. Bertamino, M. V. Diurno, <u>G. Esposito</u> , P. Grieco, G. La Rana, O. Mazzoni, E. Novellino, R. Russo Synthesis and analgesic evaluation of indole and pyrrole derivatives
FAR-PO-39	<u>F. Feliciani</u> , A. Mollica, D. Torino, F. Pinnen, I. Cacciatore, C. Cornacchia P. Davis, S.-W. Ma, V. J. Hruby Design, synthesis and evaluation of new endomorphin analogues incorporating constrained aminoacids in place of Pro ² residue
FAR-PO-40	<u>G. Fracchiolla</u> , A. Laghezza, L. Piemontese, S. Faliti, G. Carbonara, P. Tortorella, F. Loiodice Synthesis and preliminary biological evaluation on PPARs of new ureidofibrate-like analogs
FAR-PO-41	A. Catalano, C. Bruno, M. M. Cavalluzzi, A. Carocci, G. Lentini, <u>C. Franchini</u> Separation and quantitative determination of mexiletine and its metabolites by capillary zone electrophoresis
FAR-PO-42	<u>V. Gandin</u> , M. Pellei, M. Porchia, F. Refosco, A. Sturaro, R. Rella,

	C. Santini, C. Marzano Non apoptotic programmed cell death induced by a phosphine copper(I) complex as a new tool for overcoming cisplatin and multi drug resistance
FAR-PO-43	<u>R. Gatti</u> , M. G. Gioia HPLC determination of tranexamic acid in pharmaceuticals by precolumn derivatization
FAR-PO-44	<u>V. Gatti</u> , G. La Regina, A. Coluccia, A. Brancale, E. Hamel, A. Scovassi, B. Maresca, P. Campiglia, E. Novellino, R. Silvestri Arylthioindole Bioisosteres as Potent Tubulin Polymerization and MCF-7 Cell Growth Inhibitors
FAR-PO-45	D. Masciocchi, S. Villa, <u>A. Gelain</u> , A. Pedretti, F. Meneghetti, D. Barlocco, B.-M. Kwon Development on furazan derivatives as potential STAT-3 inhibitors
FAR-PO-46	<u>L. Giampietro</u> , B. De Filippis, A. Ammazzorso, R. Amoroso, G. Bettoni, M. Di Tullio, A. Giancristofaro, F. Lannutti, A. Marrone, A. Moschetta Synthesis of fibrates analogues and pharmacological evaluation as PPAR α agonists
FAR-PO-47	C. Cardinaletti, L. Mattioli, F. Ghelfi, <u>M. Giannella</u> , M. Perfumi, C. Nasuti, F. Del Bello, A. Piergentili, W. Quaglia, M. Pigini Might adrenergic α_{2C} -agonist/ α_{2A} -antagonist become a novel therapeutic multitarget tool for morphine chronic treatment of pain?
FAR-PO-48	<u>A. Gioiello</u> , F. Venturoni, A. Khamidullina, B. Natalini, R. Pellicciari Exploring the Reactions of Ethyl Diazoacetate: New Approaches to Biologically Active Compounds
FAR-PO-49	<u>M. Giustiniano</u> , S. Pelliccia, I. Gomez-Monterrey, E. Nuti, S. Santamaria, A. Rossello, E. Novellino Synthesis of new ZBGs. An alternative approach to the design of MMPs inhibitors
FAR-PO-50	<u>G. Grazioso</u> , Y. D. Pomè, V. Limongelli, D. Branduardi, A. Cavalli, C. De Micheli, M. Parrinello Metadynamic investigations of the aspartate binding at glutamate transporters
FAR-PO-51	<u>P. Grieco</u> , M. Caraglia, P. Campiglia, I. Gomez-Monterrey, S. R. Addeo, A. Budillon, M. Marra, E. Novellino Urotensin-II receptor as a new target in human prostate adenocarcinoma
FAR-PO-52	L. Luongo, L. Cappellacci, E. Palazzo, C. Rossi, P. Vita, R. Petrelli, <u>M. Grifantini</u> , S. Maione 5'-Chloro-5'-deoxy- N^6 -($\pm$)- <i>endo</i> -norbornyladenosine, a potent and highly selective human A1 adenosine receptor agonist modulates neuropathic pain in mice
FAR-PO-53	C. Trapella, C. Fischetti, M. Pelà, I. Lazzari, <u>R. Guerrini</u> , G. Calò, V.

	Camarda, D. G. Lambert, J. McDonald, D. Regoli, S. Salvadori Blending of chemical moieties of NOP receptor ligands: identification of a novel antagonist
FAR-PO-54	<u>K. Kieres</u> , M. Sala, P. Campiglia, S. Musella, M. Giustiniano, E. Nuti, G. la Regina, R. Silvestri, I. Gomez-Monterrey, E. Novellino Design and synthesis of novel metalloproteinases inhibitors
FAR-PO-55	<u>C. La Motta</u> , S. Sartini, F. Genovesi, M. Morelli, S. Salerno, F. Simorini, S. Taliani, A. M. Marini, F. Da Settimo, S. Cosconati, L. Marinelli, E. Novellino Acid Derivatives of 7-oxo-4,7-dihydropyrazolo[1,5- <i>a</i>]pyrimidine as Aldose Reductase Inhibitors
FAR-PO-56	<u>G. La Regina</u> , F. Piscitelli, A. Ligresti, A. Brizzi, S. Pasquini, G. Colombo, A. Lavecchia, F. Corelli, V. Di Marzo, E. Novellino, R. Silvestri New Substituted 1-Aryl-5-(1 <i>H</i> -pyrrol-1-yl)-1 <i>H</i> -pyrazole-3-carboxamides as High Affinity hCB ₁ Ligands
FAR-PO-57	<u>A. Lauria</u> , M. Ippolito, M. Tutone, F. Mingoia, A. M. Almerico Molecular Modeling and Dynamics of the transcription factor NF-kB complexed with IκB
FAR-PO-58	<u>E. Laurini</u> , M. G. Mamolo, D. Zampieri, S. Collina, D. Rossi, L. Vio New prospective in the design and in the synthesis of new sigma ligands: computational approach and classic way
FAR-PO-59	<u>A. Lavecchia</u> , C. Di Giovanni, N. Montuori, A. Pesapane, E. Novellino Discovery of Cdc25 Dual Specificity Phosphatase Inhibitors by Virtual Screening
FAR-PO-60	<u>E. Luongo</u> , A. Curcio, D. Melisi, O. Sasso, G. La Rana, C. Cirillo, G. Sarnelli, M. Nieddu, R. Vecchione, M. D'Armiento, R. Cuomo, G. Boatto, A. Calignano, E. Abignente, M. G. Rimoli Galactosyl Prodrug of Ketorolac: Pharmacological and Toxicological Evaluations
FAR-PO-61	F. Minutolo, S. Bertini, I. Carboni, C. Granchi, V. Calderone, A. Martelli, L. Testai, G. Sala, R. Ghidoni, <u>M. Macchia</u> Heteroatom-containing resveratrol analogues as antiproliferative and vasorelaxing agents
FAR-PO-62	E. Maccioni, S. Alcaro, F. Orallo, M. C. Cardia, S. Distinto, M. L. Sanna, S. Vigo, R. Meleddu, F. Ortuso, D. Secci, M. Yanez, A. Bolasco Tri-substituted thiazolines as promising scaffolds for the design of efficient COX inhibitors
FAR-PO-63	<u>A. Mai</u> , D. Rotili, D. Tarantino, A. Nebbioso, L. Altucci Acylpyrrolyliden-cyanacetamides (APCs): novel class of SIRT inhibitors
FAR-PO-64	L. Auriemma, P. Campiglia, A. Carotenuto, I. Gomez-Monterrey, P.

	Grieco, <u>S. Malfi</u> , M. L. Mangoni, L. Marcellini Hercolani Gaddi, C. Marcozzi, E. Novellino, M. R. Saviello Synthesis, NMR studies, and biological activities: Temporin A, L and their analogues
FAR-PO-65	D. Zampieri, E. Laurini, <u>M. G. Mamolo</u> , L. Vio Synthesis and antimycobacterial activity of some new pyridine-2-carboxamidrazone derivatives
FAR-PO-66	L. Auriemma, D. Brancaccio, P. Campiglia, A. Carotenuto, P. Franco, I. Gomez-Monterrey, P. Grieco, S. Malfi, <u>C. Marcozzi</u> , E. Novellino, M. P. Stoppelli Synthesis, biological activity and conformational analysis of peptides active on urokinase system
FAR-PO-67	<u>A. Marrazzo</u> , J. Fiorito, O. Prezzavento, S. Ronsisvalle, V. Cardile, S. Caggia, G. Frasca, G. Ronsisvalle Synthesis of MRJF4 enantiomers and evaluation of proapoptotic and cytotoxic effects in cancer cell lines
FAR-PO-68	P. Diana, <u>A. Martorana</u> , P. Barraja, A. Montalbano, G. Dattolo, G. Cirrincione Nucleophilic Substitutions in Isoindole Series as Valuable Tool to Synthesize Derivatives with Antitumor Activity
FAR-PO-69	<u>G. Massolini</u> , C. Temporini, E. Calleri, F. Corana, F. Gasparrini, C. Villani, P. Simone, M. Pierini Development of chromatographic micro-bioreactor based on trypsin immobilised on new monolithic supports for the <i>on-line</i> digestion and identification of proteins
FAR-PO-70	D. Y. Pomè, <u>C. Matera</u> , L. Pucci, C. Gotti, C. Dallanocce, G. Grazioso, M. De Amici In silico design of agonists targeting the $\alpha 7$ nicotinic acetylcholine receptors, their synthesis and preliminary pharmacological evaluation
FAR-PO-71	A. J. Moura Barbosa, F. De Rienzo, <u>M. C. Menziani</u> Computational analysis of the Binding modes of Palonosetron into the 5-HT ₃ Rs
FAR-PO-72	<u>N. Micale</u> , R. Ettari, T. Schirmeister, M. Zappalà, S. Grasso Novel 2 <i>H</i> -Isoquinolin-3-ones Falcipain-2 Inhibitors as Antimalarial Agents
FAR-PO-73	<u>C. Milite</u> , S. Castellano, R. Ragno, A. Mai, G. Brosch, M. T. Bedford, G. Sbardella Novel small molecule ligands of arginine methyltransferases (PRMTs): a step forward in the identification of potent and selective modulators
FAR-PO-74	<u>F. Mingoia</u> , M. Ippolito, A. M. Almerico, A. Lauria Targeted synthesis of pyrrolo tricycles for selective biomolecules overexpressed in cancer cells
FAR-PO-75	E. Ghilardi, V. Asso, S. Bertini, C. Granchi, <u>F. Minutolo</u> , M.

	Macchia Carboxamido derivatives of 1-(2-hydroxy)propylcarbazole as BACE1 inhibitors
FAR-PO-76	<u>A. Mollica</u> , A. Stefanucci, F. Feliciani, D. Torino, V. J. Hruby, P. Davis, S.-W. Ma, F. Pinnen Long acting opioid peptides: <i>in vitro</i> and <i>in vivo</i> biological evaluation of new fluorinated analogues of Biphalin
FAR-PO-77	<u>G. Musumarra</u> , C. Molteni, A. Biondi, D. F. Condorelli, C. G. Fortuna, S. Scirè Applications of OPLS in “omics” cancer research
FAR-PO-78	<u>M. Napoli</u> , C. Bocchino, C. Saturnino, C. Palladino, P. Longo New zirconium complexes having carbene NHC ligands: synthesis, characterization and potential antitumoral activities
FAR-PO-79	N. Giachè, R. Sardella, A. Macchiarulo, M. Dawgul, <u>B. Natalini</u> , R. Pellicciari A new computational model to predict the elution order in the Chiral Ligand-Exchange Chromatography (CLEC) of amino acids
FAR-PO-80	<u>G. Ortore</u> , F. Di Colo, A. Martinelli Docking of hydroxamic acids into HDAC1 and HDAC8: a rationalization of activity trends and selectivities
FAR-PO-81	S. Alcaro, P. Campiglia, A. Carotenuto, E. Novellino, <u>F. Ortuso</u> , F. Paduano, E. Spadea, F. Trapasso PTPRJ ligands identification and characterization
FAR-PO-82	G. Autore, E. Bianchino, G. De Martino, S. Marzocco, <u>C. Palladino</u> , C. Saturnino, A. Spagnuolo, G. Tommonaro, E. Vivacqua New diphenylacetamide derivatives: synthesis and antioxidant activity
FAR-PO-83	R. Messina, <u>A. Panico</u> , V. Cardile, M. Fragai, M. Incerti, P. Vicini Effect of 2-benzo[d]thiazolyl- and 2-benzo[d]isothiazolylimino-5-benzylidene-4-thiazolidinone derivatives in human articular chondrocyte metabolism
FAR-PO-84	<u>A. Peduto</u> , R. Filosa, C. Petronzi, S. Missailidis, P. Ragazzon, F. Paduano, F. Trapasso, A. Virgilio, V. Esposito, A. Galeone Trisubstituted naphthalimides as G-quadruplex Telomere Targeting Agents: synthesis, biological activity, NMR and biophysical studies
FAR-PO-85	<u>M. G. Perrone</u> , A. Scilimati Synthesis and Pharmacological Characterization of new β_3 -Adrenoceptor Agonists
FAR-PO-86	M. De Luca, S. Mas, G. Ioele, G. Ragno, R. Tauler Kinetic studies of nitrofurazone photodegradation by Multivariate Curve Resolution methods applied to UVspectral data
FAR-PO-87	R. Ragno VEGFR-2 Inhibitors. Ligand-Based, Structure-Based and 3-D QSAR Studies as Tools to Design New Small Molecules
FAR-PO-88	<u>M. Rambaldi</u> , A. Andreani, S. Burnelli, M. Granaola, A. Leoni, A.

	Locatelli, R. Morigi, L. Varoli Antitumor activity of imidazo[2,1- <i>b</i>]thiazole guanylhidrazones and analogs
FAR-PO-89	<u>A. Ramunno</u> , S. Cosconati, L. Marinelli, S. Sartini, C. La Motta, F. Da Settimo, E. Novellino Design, Synthesis and Biological Evaluation of Novel 2-(<i>N</i> -Aryl or Heteroarylphenylsulfonamido)acetic Acids as Aldose Reductase Inhibitors
FAR-PO-90	A. Panico, L. Crasci, M. Fragai, R. Maccari, R. Ottanà, <u>G. Ronsisvalle</u> Chondroprotective activity of 5-arylidene-4-thiazolidinone derivatives as new inhibitors of matrix metalloproteinase-13
FAR-PO-91	<u>M. Sala</u> , K. Kieres, S. Musella, I. Gomez-Monterrey, M. Illario, C. Franchini, P. Grieco, E. Novellino, P. Campiglia Structure-activity studies of CaMKIINTide peptide analogs
FAR-PO-92	<u>S. Salvadori</u> , R. Guerrini, E. Marzola, C. Trapella, A. Rizzi, V. Camarda, D. Regoli, G. Calò Identification of pure antagonists of Neuropeptide S receptor
FAR-PO-93	<u>G. Beretta</u> , G. Rossoni, N. A. Santagati, R. Maffei Facino Cardioprotective activity of <i>Rhus coriaria</i> L. leaves extract
FAR-PO-94	<u>M. Santoriello</u> , S. Castellano, A. Bertamino, I. Gomez-Monterrey, P. Grieco, P. Campiglia, G. Sbardella, E. Novellino Design, synthesis, and cytotoxic evaluation of a new serie of dihydrothieno[2,3- <i>g</i>]quinolin-4,9-dione derivatives
FAR-PO-95	M. C. Fulco, <u>R. Sardella</u> , M. Marinozzi, B. E. Çaliskan, B. Natalini, R. Pellicciari Synthesis and chromatographic enantioresolution of conformationally constrained homotaurine analogues
FAR-PO-96	<u>C. Saturnino</u> , A. Grimaldi, C. Viscardi, F. Grisi, C. Costabile, P. Longo Synthesis of Macrocycles via Ring Closing Metathesis
FAR-PO-97	<u>G. Sbardella</u> , A. Mai, S. Bartolini, S. Castellano, R. Cirilli, D. Rotili, C. Milite, M. Santoriello, P. Lavia, C. Spadafora Small Molecule inhibitors of Non-Telomeric Endogenous Reverse Transcriptase: Novel Epigenetic Regulators of Cell Differentiation and Proliferation
FAR-PO-98	M. G. Perrone, L. Simone, P. Vitale, L. Di Nunno, <u>A. Scilimati</u> , A. Lavecchia, E. Novellino, M. L. Capone, S. Tacconelli, P. Patrignani Highly selective COX-1 inhibitors as novel cardioprotective anti-thrombotic agents
FAR-PO-99	F. Chimenti, <u>D. Secci</u> , A. Bolasco, P. Chimenti, R. Fioravanti, A. Granese, S. Carradori, S. Alcaro, F. Ortuso, R. Cirilli Synthesis, stereo chemical identification and selective inhibitory activity against MAO-B of 3-methyl cyclohexylidene-(4-arylthiazol-

	2-yl)hydrazones derivatives
FAR-PO-100	<u>G. Sellitto</u> , R. Filosa, P. de Caprariis, A. Faruolo, B. Perfetto, A. Melito, M. Tufano Synthesis and biological activity of some ethyl 1H-indole-3-carboxylate derivatives
FAR-PO-101	F. Piscitelli, G. La Regina, V. Gatti, A. Coluccia, A. Brancale, C. Giordano, J. Balzarini, G. Maga, A. Lavecchia, E. Novellino, <u>R. Silvestri</u> Indolylarylsulfones Bearing Natural and Unnatural Amino Acids as Potent HIV-1 NNRTIs
FAR-PO-102	G. Autore, S. Marzocco, C. Palladino, C. Saturnino, S. Sinicropi, <u>A. Spagnuolo</u> , E. Vivacqua New amide derivatives of arachidonic acid as potential antiinflammatory drugs: preliminary studies
FAR-PO-103	<u>B. Tasso</u> , F. Novelli, F. Sparatore, N. Basilico, S. Parapini, D. Taramelli Synthesis and in vitro antimalarial activity of some quinolizidine ring-bearing analogs of chloroquine and quinacrine
FAR-PO-104	<u>E. Teodori</u> , C. Martelli, M. Salerno, S. Dei, F. Gualtieri, D. Manetti, F. Orlandi, S. Scapecchi, M. N. Romanelli SAR studies in a series of N,N-bis(arylalkanol)amine aryl esters as P-glycoprotein (Pgp) dependent multidrug resistance (MDR) inhibitors
FAR-PO-105	<u>M. Tonelli</u> , G. Vettoretti, I. Vazzana, V. Boido, F. Sparatore, V. Villa, T. Florio 2,3-Disubstituted-1,3-thiazolidin-4-one derivatives as neuroprotective agents
FAR-PO-106	<u>P. Tosco</u> , T. Balle Open3DQSAR: a new open-source software for the analysis of molecular interaction fields
FAR-PO-107	A. Lauria, <u>M. Tutone</u> , A. M. Almerico Virtual lock and key approach: the revival of Fischer model
FAR-PO-108	<u>C. D. Venneri</u> , F. Felluga, G. Pitacco, E. Valentin A facile chemo-enzymatic asymmetric synthesis of β,β' -dialkylated γ -aminobutyric acids
FAR-PO-109	B. de Cindio, A. Caruso, M. Migliori, C. Palladino, C. Saturnino, S. Sinicropi, A. Spagnuolo, <u>E. Vivacqua</u> Design and Synthesis of HA Cross-linked
FAR-PO-110	<u>M. Zacchigna</u> , F. Cateni, S. Drioli, G. M. Bonora, M. Grassi PEG and MultiPEG-THEO: PK analysis
FAR-PO-111	R. Gaggeri, D. Rossi, D. Passarella, <u>D. Zampieri</u> , E. Laurini, F. Leoni, G. Mascheroni, S. Collina, O. Azzolina Phytochemical fingerprint and anti-inflammatory properties of crude extract and naringenin from <i>Amygdalus lycioides</i> Spach

**Divisione di
Chimica Fisica**

Lunedì 6	
	Sala Tritone
	Bioscienze, Ambiente e beni Culturali <i>Chair: Mariano Venanzi</i>
9:00 – 9:40 FIS-KN-5	E. Collina, M. Lasagni, E. Piccinelli, <u>D. Pitea</u> Kinetic modeling of Native Carbon Thermal Degradation and PCDD/PCDF formation on MSWI fly ash
9:40 – 10:00 FIS-OR-1	<u>A. Acocella</u> , F. Zerbetto What is adenine doing in the DNA-photolyase electron transfer repair mechanism?
10:00 – 10:20 FIS-OR-3	M. Aschi Theoretical study of electronic properties in biomacromolecules
10:20 – 10:40 FIS-OR-4	<u>M. Banchelli</u> , F. Gambinossi, D. Berti, G. Caminati, T. Brown, P. Baglioni Modulation of DNA grafting density and double strand orientation in phospholipid bilayers
10:40 – 11:00	Pausa
11:00 – 11:40 FIS-KN-3	M. Garavelli Deciphering ground and excited state reactivity in complex molecular architectures: a QM/MM approach
11:40 – 12:00 FIS-OR-10	<u>M. Caricato</u> , T. Vreven, G. W. Trucks, K. B. Wiberg, M. J. Frisch Using the ONIOM hybrid method to apply EOM-CCSD to biological systems: benchmarking and preliminary applications
12:00 – 12:20 FIS-OR-13	F. Elisei, T. Del Giacco, S. De Solis, B. Carlotti An investigation of the mechanism of fluorescent anion sensing using anthracene derivatives bearing thiourea groups
12:20 – 12:40 FIS-OR-16	<u>E. Fratini</u> , X.-Q. Chu, S.-H. Chen, P. Baglioni Proteins Remain Soft at Lower Temperatures under Pressure
12:40 – 13:00 FIS-OR-19	<u>L. Martino</u> , B. Pagano, I. Fotticchia, S. Neidle, C. Giancola Biophysical study of the human telomeric quadruplexes/drugs interaction: a good starting point for anti cancer agents
	Sessione Poster
13:00 – 14:30	Poster FIS-PO-1 / 18, 20, 22 / 30, 33, 85
Martedì 7	
	Sessione Poster
13:00 – 14:30	Poster FIS-PO-19, 31 / 32, 34 / 35, 37 / 50, 72
	Sala Tritone
	Processi di Trasferimento di Carica (Sessione congiunta con la Divisione di Elettrochimica) <i>Chair: Angela Agostiano, Francesco Paolucci</i>
14:30 – 15:10 ELE-KN-2	<u>M. Giorgio</u> , F. Paolucci, M. Marcaccio, S. Rapino, R. Marcu, P. G. Pelicci Electrochemical approaches to biological systems

15:10 – 15:25 FIS-OR-5	<u>S. Binetti</u> , A. Le Donne, M. Acciarri Organolanthanide down-shifters to improve Si-based solar cell efficiency
15:25 – 15:40 ELE-OR-13	<u>A. Vertova</u> , L. Falciola, S. Rondinini, G. Branchini, D. E. Khoshtariya, T. Dolidze, S. Quici, M. Cavazzini Electron-transfer through Au-supported thiolterminated SAMs bearing bipyridyl/phenanthrolyl groups
15:40 – 15:55 FIS-OR-8	<u>G. Calogero</u> , G. Di Marco, A. Sinopoli, S. Caramori, C. A. Bignozzi Recent developments in Dye Sensitized Solar Cells using betalain and anthocyanins as sensitizers extracted from fruits and flowers
15:55 – 16:10 ELE-OR-14	<u>S. Monari</u> , G. Battistuzzi, M. Borsari, C. Dennison, A. Ranieri, M. Sola Thermodynamics and kinetics of the electron transfer process for Azurin from <i>Pseudomonas aeruginosa</i> immobilized on hydrophobic SAMs
16:10 – 16:20	Pausa
16:20 – 17:00 FIS-KN-4	F. Maran Electron Transfer in Peptides
17:00 – 17:15 ELE-OR-15	M. Iurlo, D. Paolucci, M. Marcaccio, S. Rapino, <u>F. Paolucci</u> Electron transfer in pristine and functionalised carbon nanotubes
17:15 – 17:30 FIS-OR-15	<u>L. Franco</u> , M. Ruzzi, L. Bonoldi, L. Montanari, R. Po', G. Schimperna, A. Toffoletti Time-Resolved EPR of photoinduced electron transfer in conjugated polymer-fullerene blends
17:30 – 17:45 ELE-OR-16	M. A. Rampi Redox Centres Organized in a Metal-molecules-Metal Junctions: From Molecular Transistors to Ohmic Regime
17:45 – 18:00 FIS-OR-17	<u>E. Gatto</u> , A. Porchetta, M. Caruso, C. Toniolo, F. Formaggio, M. Venanzi Photocurrent Generation in Peptide based Self-Assembled Monolayers Functionalized with Electron Transfer Antenna Chromophores
Mercoledì 8	
	Sala Tritone
	Metodi e Tecnologie Chimico-Fisiche <i>Chair: Nicolae V. Pavel</i>
9:00 – 9:40 FIS-KN-2	P. D'Angelo Combined techniques in the structural investigation of disordered systems: the symbiosis XAS-Molecular Dynamics
9:40 – 10:00 FIS-OR-2	<u>V. Amendola</u> , G. Fracasso, M. Colombatti, P. Dal Soglio, G. Marcolongo, M. Meneghetti Preparation and quantitative study of gold nanoparticles for SERS biolabelling

10:00 – 10:20 FIS-OR-6	<u>S. Bordiga</u> , F. Bonino, C. Lamberti, S. Chavan, E. Groppo, J. G. Vitillo, L. Valenzano, B. Civalieri, P. D. C. Dietzel Role of exposed metal sites in adsorptive properties of $M_2(\text{DOBDC})$: combined use of experimental results and ab initio modeling
10:20 – 10:40 FIS-OR-9	C. Cappelli Vibrational Spectroscopic Properties of Molecules in Solution: Towards the Description of Two-Dimensional Infrared Spectra (2D-IR)
10:40 – 11:00 FIS-OR-22	S. Marsili, G. F. Signorini, R. Chelli, M. Marchi, <u>P. Procacci</u> ORAC: A molecular dynamics simulation program to explore free energy surfaces in biomolecular systems at the atomistic level
11:00 – 11:20	Pausa
11:20 – 11:40 FIS-OR-23	<u>C. Puzzarini</u> , G. Cazzoli, M. E. Harding, J. Gauss Absolute ^{17}O NMR scale: a joint rotational-spectroscopy and quantum-chemistry study
11:40 – 12:00 FIS-OR-24	<u>F. Rossi</u> , S. Ristori, N. Marchettini, E. Tiezzi Chemical oscillators in micro- and nano-confined environments: pattern formation and wave propagation
12:00 – 12:20 FIS-OR-25	<u>N. Sanna</u> , G. Morelli, I. Baccarelli Modeling electron-molecule scattering on manycore architectures: a high throughput perspective for Radiation Damage
12:20 – 12:40 FIS-OR-26	<u>J. Scaranto</u> , S. Giorgianni IR spectroscopy and quantum-mechanical simulations of CH_2ClF adsorbed on TiO_2
12:40 – 13:00 FIS-OR-28	A. Damin, J. Vitillo, G. Agostini, D. Scarano, A. Zecchina, <u>G. Spoto</u> FTIR spectroscopy and thermodynamics of H_2 adsorbed on γ -, δ - and α - Al_2O_3
	Sessione Poster
13:00 – 14:30	Poster FIS-PO-51 / 55, 57 / 71
Giovedì 9	
	Sala Tritone
9:00 – 10:00	Tavola rotonda: La Chimica-Fisica in Italia; intervengono P. Baglioni, R. Bozio, P. Casavecchia, R. Righini, A. Rizzo, M. R. Tiné
10:00 – 10:20	Pausa
10:20 – 11:20	Segue Tavola rotonda
11:20 – 11:40	Pausa
11:40 – 11:55	Consegna dei Premi “New frontiers in physical chemistry” (Iniziativa congiunta della Divisione di Chimica Fisica e di <i>Physical Chemistry Chemical Physics, PCCP</i>)
11:55 – 13:00	Assemblea della Divisione

	Sessione Poster
13:00 – 14:30	Poster FIS-PO-21, 36, 56, 73 / 84, 86 / 91
Venerdì 10	
	Sala Tritone
	Energia, Materiali, Sistemi Autorganizzati e Funzionali <i>Chair: Giovanni Marletta</i>
9:00 – 9:40 FIS-KN-1	S. Coluccia Challenges In Composite Materials: From Nanotechnology To Life Sciences
9:40 – 10:00 FIS-OR-18	S. Sortino, L. Valli, <u>G. Giancane</u> Langmuir-Schaefer films for photoinduced nitric oxide release
10:00 – 10:20 FIS-OR-7	A. Calò, P. Stoliar, E. Bystrenova, F. Valle, F. Biscarini Measurement of DNA morphological parameters at highly entangled regime on surfaces
10:20 – 10:40 FIS-OR-11	A. Comotti Selective capture of gases in crystalline porous materials and molecular dynamics in the nanochannel walls
10:40 – 11:00 FIS-OR-12	<u>M. Cossi</u> , I. Braschi, G. Gatti, G. Paul, C. E. Gessa, L. Marchese Sulfonamide antibiotics embedded into high silica zeolite Y: A multidisciplinary study
11:00 – 11:20	Pausa
11:20 – 11:40 FIS-OR-14	<u>M. Ferretti</u> , A. Martinelli, C. Ferdeghini, M. Tropeano, M. R. Cimberle Synthesis, crystal structure, transport and magnetic properties of Rare Earth-based oxy-pnictides
11:40 – 12:00 FIS-OR-20	<u>V. Massarotti</u> , D. Capsoni, M. Bini, S. Ferrari, P. Mustarelli, M. C. Mozzati, P. Galinetto, G. Chiodelli Cr and Ni doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$: a magnetic, spectroscopic and electrical investigation
12:00 – 12:20 FIS-OR-21	<u>A. Panniello</u> , T. Placido, R. Comparelli, M. L. Curri, A. Agostiano, D. Mecerreyes, N. Kehagias, V. Reboud, C. M. Sotomayor Torres, M. Striccoli Au nanoparticles-PMMA based nanocomposites for functional materials
12:20 – 12:40 FIS-OR-27	G. L. Chiarello, M. V. Dozzi, <u>E. Selli</u> Role of Au nanoparticles deposited on TiO_2 in the photocatalytic production of hydrogen and oxidation of organic compounds
12:40 – 13:00 FIS-OR-29	<u>N. Tuccitto</u> , V. Spampinato, A. Torrisi, G. Marletta, S. Quici, A. Licciardello Stepwise preparation and surface characterization of polypyridine based metal complexes onto oxide surfaces
	Elenco dei Poster
FIS-PO-1	V. De Leo, L. Catucci, A. Corcelli, <u>A. Agostiano</u> Alcohol effect on photosynthetic membrane protein of <i>Rhodobacter</i>

	<i>sphaeroides</i>
FIS-PO-2	A. Ventrella, L. Catucci, <u>A. Agostiano</u> Spectroscopic properties of photosynthetic materials in the presence of toxic compounds: effects of heavy metals and herbicides
FIS-PO-3	R. Verrone, L. Catucci, <u>A. Agostiano</u> , V. Lippolis, M. Pascale Inclusion complex of T-2 toxin fluorescent derivatives with β -cyclodextrins in aqueous solution
FIS-PO-4	<u>G. Alberto</u> , G. Caputo, G. Viscardi, S. Coluccia, G. Martra Highly photoluminescent hybrid nanomaterials: towards the control of the dispersion of organic guest molecules in an inorganic siliceous guest
FIS-PO-5	J. Alfonsi, M. Meneghetti Small crystal models for the optical properties of single- and double-walled carbon nanotubes
FIS-PO-6	G. Tomasello, G. Olaso-González, P. Altoè, M. Stenta, L. Serrano-Andrés, M. Merchà, G. Orlandi, A. Bottoni, M. Garavelli Electrostatic Control of the Photoisomerization Efficiency and Optical Properties in Visual Pigments: On the Role of Counterion Quenching
FIS-PO-7	<u>M. Amelia</u> , M. Baroncini, A. Credi A simple unimolecular multiplexer/demultiplexer
FIS-PO-8	<u>F. Asaro</u> , L. Coppola, L. Gentile NMR and rheology of catanionic micelles containing sodium taurodeoxycholate
FIS-PO-9	<u>A. Balsamo</u> , V. Pully, G. Rusciano, F. Sica, A. Merlino, M. Grosso, A. Sasso, L. Mazzarella, C. Otto, A. Vergara Raman Imaging and tweezers of red blood cells from patients affected by anemia S, C and C+S
FIS-PO-10	E. Chianese, <u>G. Barone</u> , I. Fotticchia Determination of PM ₁₀ and PM _{2.5} in artistic and historical buildings: the Italian Institute of Philosophical Studies of Naples.
FIS-PO-11	R. Pogni, A. Sinicropi, C. Bernini, F. J. Ruiz-Dueñas, A. T. Martínez, R. Basosi Comparison between Catalytic Tryptophan Radical in Fungal Versatile Peroxidase and its W164Y variant: EPR and DFT/PCM approaches
FIS-PO-12	<u>C. Benzi</u> , C. A. Bertolino, I. Miletto, P. Ponzio, C. Barolo, G. Viscardi, S. Coluccia, G. Caputo Design, synthesis and characterization of a novel acceptor for a PCR pair by computational and experimental approach
FIS-PO-13	A. Fraccarollo, <u>C. Benzi</u> , M. Cossi Ab initio investigation of the ionic interlamellar structure in layered hydrotalcites
FIS-PO-14	M. Vishnuvarthan, L. Bertinetti, V. Murugesan, S. Coluccia, <u>G. Berlier</u>

	Synthesis and characterization of transition metal substituted microporous AlPOs structures
FIS-PO-15	D. Berti, S. Milani, P. Baglioni Hybrid Lipid/DNA Self-Assemblies
FIS-PO-16	P. Sandin, F. Baldelli Bombelli, P. Baglioni, J. Obermeier, <u>D. Berti</u> Self-Assemblies of Clofarabine Amphiphilic Derivatives: Effects of Polar Head Architecture And of Thermal History
FIS-PO-17	D. Berti, F. Baldelli Bombelli, M. Banchelli, F. Gambinossi, G. Caminati, T. Brown, P. Baglioni Closed Nanoconstructs Assembled by Step-by-Step <i>ss</i> -DNA Coupling Assisted by Phospholipid Membranes
FIS-PO-18	<u>L. Bertinetti</u> , Y. Sakhno, S. Coluccia, N. Roveri, E. Landi, G. Martra Structural order vs. disorder in biomimetic apatites as a function of the preparation conditions
FIS-PO-19	S. Bonsegna, A. Zacheo, R. Pagano, L. Giotta, G. S. Leporatti, A. Santino, L. Valli, <u>S. Bettini</u> Plant oil bodies as novel nano-carriers for drug delivery
FIS-PO-20	J. Martins de Souza e Silva, G. Paul, <u>C. Bisio</u> , H. O. Pastore, L. Marchese Synthesis and Characterization of a Novel Disaggregated Magadiite for Thin Films Preparation
FIS-PO-21	J. Bloino, M. Biczysko, V. Barone First principle simulation of vibrationally resolved optical spectra
FIS-PO-22	K. Barbera, L. Palumbo, <u>S. Bordiga</u> , F. Bonino, P. Beato, T. V. W. Janssens Methanol to hydrocarbon process on H-ZSM-5 zeolites: on the nature of carbonaceous species
FIS-PO-23	<u>C. A. Bortolotti</u> , S. Monari, S. Casalini, A. Ranieri, G. Battistuzzi, M. Borsari, M. Sola Electron transfer and peroxidase activity of unfolded native and mutant cytochrome <i>c</i> immobilized on anionic self-assembled monolayers
FIS-PO-24	I. Mileto, <u>E. Bottinelli</u> , C. Benzi, G. Caputo, S. Coluccia, E. Gianotti Photoactive mesostructured hybrid materials
FIS-PO-25	<u>M. A. Budroni</u> , M. Masia, M. Rustici, N. Marchettini, E. Tiezzi Characterization of spatio-temporal chaos induced by natural convection in the Belousov-Zhabotinsky reaction
FIS-PO-26	<u>G. Caminati</u> , F. Gambinossi, A.-M. Stadler, P. Baglioni, J.-M. Lehn Construction of novel [2x2] grid-like mechanoresponsive architectures: molecular organization at the liquid-air interface and in nanofilm
FIS-PO-27	G. Caminati, T. Al Kayal, D. Berti, P. Baglioni Phospholipid bilayer composition modulates protein/liposome interactions: amyloid-like fibrils versus liposome/protein aggregates

FIS-PO-28	S. Cavalli Exceptional points in chemical reactions
FIS-PO-29	G. Paradossi, A. Lonardi, <u>E. Chiessi</u> Structure and Dynamics of Amphiphilic Polymer Networks at High Hydration Degree: A Molecular Dynamics Approach
FIS-PO-30	M. Corricelli, <u>R. Comparelli</u> , M. Striccoli, C. Giannini, E. Fanizza, A. Agostiano, M. L. Curri Synthesis and self-assembly of PbS nanocrystals
FIS-PO-31	<u>U. Cosentino</u> , D. Pitea, G. Moro, G. A. A. Saracino, A. Villa Conformational behaviour affects the low-relaxivity state of a conditional MRI contrast agent
FIS-PO-32	C. Artini, <u>G. Costa</u> , M. Carnasciali, R. Masini Stability and structural properties of intra rare earths perovskites
FIS-PO-33	C. Esposito, R. Berisio, E. Pedone, P. Carullo, G. Graziano, <u>P. Del Vecchio</u> Thermal unfolding of the heparin-binding hemagglutinin (HBHA) from <i>Mycobacterium tuberculosis</i>
FIS-PO-34	<u>S. Di Motta</u> , E. Di Donato, F. Negri, G. Orlandi, D. Fazzi, C. Castiglioni Resistive molecular memories: influence of molecular parameters on the electrical bistability
FIS-PO-35	E. Castellini, A. Ranieri, D. A. Simari, <u>G. Di Rocco</u> Thermodynamic aspects of the adsorption of cytochrome <i>c</i> and its mutants on kaolinite
FIS-PO-36	<u>V. Domenici</u> , M. Cifelli, C. A. Veracini, N. Boiko, E. Agina, V. Shibaev Dynamic and ordering properties of a liquid crystalline dendrimer by ^2H NMR spectroscopy
FIS-PO-37	M. Aggravi, M. Ricci, C. Bonechi, A. Cappelli, M. Frosini, C. Rossi, <u>A. Donati</u> Glucose metabolism in human erythrocyte in the presence of inorganic arsenic: an <i>ex-vivo</i> NMR investigation
FIS-PO-38	M. Aggravi, M. Ricci, C. Bonechi, A. Cappelli, M. Frosini, S. Martini, <u>A. Donati</u> Complexation of As(III) in rat and human erythrocytes
FIS-PO-39	C. Bonechi, S. Martini, S. Ristori, <u>A. Donati</u> , C. Rossi Study of the aggregation behaviour of resveratrol in solution and its interaction with membrane proteins
FIS-PO-40	F. Lambardi, S. Martini, M. Aggravi, C. Bonechi, M. Ricci, C. Rossi, <u>A. Donati</u> Complete Relaxation Matrix Analysis: new methods to calculate inter-nuclear distances from NOESY intensity
FIS-PO-41	<u>P. Elvati</u> , B. Ensing, M. Parrinello Parameterization of a coarse grained model for surfactant and fuel cell electrolyte

FIS-PO-42	I. Finelli, S. V. Ghugare, E. Chiessi, G. Paradossi Soft Matter for biomedicine: two case studies
FIS-PO-43	E. Fratini, A. Faraone, A. Muller, P. Baglioni Dynamics of water in voids between nanocages/polyprotic inorganic acids
FIS-PO-44	F. Gambinossi, D. Salvatori, L. Lorenzelli, P. Baglioni, G. Caminati Functionalized Self-Assembled Nanosensors for microcantilever-based detection of food contaminants in fluid matrices
FIS-PO-45	E. Gatto, B. Zangrilli, L. Stella, A. Palleschi, G. Bocchinfuso, F. Formaggio, C. Toniolo, M. Venanzi Antimicrobial peptides chelating lanthanide ions: the case of a Trichogin GAIV analog and Terbium(III)
FIS-PO-46	G. Giancane, D. M. Guldi, V. Sgobba, D. Manno, A. Serra, G. Farinola, F. Naso, F. Babudri, L. Valli Langmuir-Blodgett films of aligned single walled carbon nanotubes
FIS-PO-47	A. Giugliarelli, P. Sassi, M. Paolantoni, A. Morresi, F. Palombo Spectroscopic characterization of Collagen
FIS-PO-48	L. Giustini, E. Carretti, P. Lo Nostro, E. Fratini, P. Baglioni Rheological properties of hydrogels form Ascorbic Acid Based Surfactants
FIS-PO-49	L. Lascialfari, S. Cicchi, A. Brandi, D. Berti, P. Baglioni, M. Mannini Towards a general organogelator: combining a versatile scaffold and an efficient linking process
FIS-PO-50	G. Lazzara, S. Milioto An extended physico-chemical study of nanocomposites based on block copolymers and inorganic nanoparticles
FIS-PO-51	F. Leonori, R. Petrucci, A. Stazi, M. Hamberg, W. D. Geppert, M. Rosi, N. Balucani, P. Casavecchia Dynamics of N(² D) reactions with ethane and ethene: A combined crossed-beam and theoretical study
FIS-PO-52	F. Leonori, R. Petrucci, N. Balucani, M. Rosi, X. Wang, M. Hamberg, W. D. Geppert, P. Casavecchia Combined crossed molecular beam and theoretical studies of the S(¹ D) + CH ₄ , C ₂ H ₂ and C ₂ H ₄ reactions
FIS-PO-53	L. Tattini, P. Lo Nostro, M. Bonini, P. Baglioni Synthesis and characterization of piezoelectric nanoparticles
FIS-PO-54	P. Lo Nostro, M. Ambrosi, E. Fratini, L. Giustini, B. W. Ninham, P. Baglioni Levo versus Dextro: effect of the headgroup chirality on nanoassemblies
FIS-PO-55	P. Lo Nostro, N. Peruzzi, M. Lagi, B. W. Ninham, P. Baglioni Ion partitioning in self-assembled systems
FIS-PO-56	M. Vaccaro, R. Del Litto, A. Costantino, L. Paduano, G. D'Errico, O. Ortona, D. Montesarchio, F. Ruffo, L. Simeone, R. Sartorio, G.

	Mangiapia Lipid Based Nanovectors Containing Ruthenium Complexes: A Potential Route in Cancer Therapy
FIS-PO-57	F. Ghigliotti, <u>L. Marchese</u> , N. Gaponik, A. Eychmüller, M. Paderi, N. Li Pira Development of novel hydrotalcite-based luminescent solids for LED technology
FIS-PO-58	C. Deiana, P. Davit, L. Bertinetti, V. Murugesan, S. Coluccia, <u>G. Martra</u> Surface structure of nanocrystalline TiO ₂ : dependence on the preparation method
FIS-PO-59	A. Pedone, G. Malavasi, M. C. Menziani Computational insight into the effect of CaO/MgO Substitution on the Structural and Elastic Properties of Phospho-Silicate Bioactive Glasses
FIS-PO-60	<u>S. Milani</u> , D. Berti, T. Hauß, S. Dante, K. Edwards, G. Karlsson, P. Baglioni Intercalation of Single Strand Oligonucleotides between Nucleolipid Anionic Membranes
FIS-PO-61	F. Basso, R. De Lisi, G. Lazzara, <u>S. Milioto</u> , L. Pellegrino Gels based on pectin for Cultural Heritage applications
FIS-PO-62	M. Bini, S. Grandi, D. Capsoni, P. Mustarelli, E. Quartarone, E. Saino, L. Visai SiO ₂ -based bioglasses with and without ZnO: relationships among composition, microstructure and bioactivity
FIS-PO-63	<u>S. Nappini</u> , F. Baldelli Bombelli, M. Bonini, B. Nordèn, P. Baglioni Magnetoliposomes for controlled drug release in presence of low-frequency magnetic field
FIS-PO-64	<u>B. Orioni</u> , G. Bocchinfuso, A. Palleschi, J. Y. Kim, Y. Park, K. S. Hahm, L. Stella Mechanism of action of the antimicrobial peptide PMAP-23: a spectroscopic study on synthetic analogues
FIS-PO-65	C. Zazza, N. Sanna, <u>A. Palma</u> Mg-PTCDA interaction by first principles calculations
FIS-PO-66	L. Galantini, C. Leggio, P. V. Konarev, D. I. Svergun, <u>N. V. Pavel</u> 3D reconstructed structures reveal the unfolding pathways in the Human Serum Albumin denaturation
FIS-PO-67	<u>S. Perticaroli</u> , L. Comez, M. Paolantoni, P. Sassi, L. Lupi, D. Fioretto, A. Morresi Evidence of hydration water contribution to Depolarized Light Scattering spectra of lysozyme aqueous solutions at physiological conditions
FIS-PO-68	A. Luzio, D.-L. Long, H. Miras, C. Pradeep, C. Musumeci, <u>B. Pignataro</u> , L. Cronin Dimensional control of self-structuring polyoxamethalates at

	surfaces
FIS-PO-69	<u>S. Cataldo</u> , S. Fabiano, C. Sartorio, D. Spina, F. Previti, S. Patanè, B. Pignataro Bulk heterojunctions by boramers for plastic photovoltaics
FIS-PO-70	A. Luzio, <u>C. Musumeci</u> , B. Pignataro Solution processes for plastic thin film transistors
FIS-PO-71	G. Arrabito, <u>C. Musumeci</u> , V. Aiello, S. Libertino, G. Compagnini, B. Pignataro Protein arrays for sensing applications: relationships between printing conditions and pattern properties
FIS-PO-72	V. Barone, G. Brancato, P. Cimino, O. Crescenzi, M. Pavone, <u>N. Rega</u> Spectroscopic properties of molecules in solution: an effective computational approach based on non-periodic boundary conditions
FIS-PO-73	A. Damini, J. G. Vitillo, <u>G. Ricchiardi</u> , S. Bordiga, C. Lamberti, E. Groppo, A. Zecchina Making sense of vibrational experiments and theoretical models of CO and N ₂ adsorbed at Cr sites: effect of the Hartree-Fock exchange ratio in DFT models
FIS-PO-74	<u>G. Ricchiardi</u> , D. Pellerej, F. Canonico Potential and limitations of photocatalytic concrete materials
FIS-PO-75	P. Luciani, <u>F. Ridi</u> , E. Fratini, V. Conti, S. Grolli, R. Ramoni, P. Baglioni Temperature-induced Aggregation of Odorant Binding Proteins
FIS-PO-76	<u>F. Ridi</u> , N. Verdal, P. Baglioni, E. Y. Sheu Phase separation kinetics of maya asphaltene emulsion and free-to-bound water transformation
FIS-PO-77	<u>F. Ridi</u> , P. Luciani, E. Fratini, P. Baglioni Water Confined in Cement Pastes as a Probe of Cement Microstructure Evolution. Observation of a dynamic crossover in nanoporosity
FIS-PO-78	V. V. Volkova, R. Righinia Structural properties and dynamics of membrane associated anchor peptide
FIS-PO-79	M. Candelaresi, M. Pagliai, M. Lima, P. Foggi, R. Righini Solvation dynamics of methyl acetate probed by two-dimensional IR spectroscopy
FIS-PO-80	<u>G. A. A. Saracino</u> , G. Moro, U. Cosentino, D. Pitea, A. Villa Assembly of β -helical folded prion peptide PrP82-146 into trimers: a stability analysis by Molecular Dynamics simulations
FIS-PO-81	<u>J. Scaranto</u> , S. Giorgianni CO adsorbed on the clean and hydroxylated anatase (001) surface: a quantum-mechanical investigation
FIS-PO-82	M. Delfini, M. E. Di Cocco, R. Caminiti, R. Barbucci, <u>F. Sciubba</u> Spectroscopic characterization of carboxymethyl cellulose

	derivatives
FIS-PO-83	<u>A. Sinicropi</u> , C. Bernini, R. Basosi, M. Olivucci Design and computational investigation of a photomodulable peptide containing the RGD sequence and a Z/E photoisomerizable biomimetic switch
FIS-PO-84	<u>V. Spampinato</u> , N. Tuccitto, N. Giamblanco, E. Defrancq, A. Licciardello, G. Marletta Patterned Non-covalent Surface Anchoring of Terpyridine-tagged Oligonucleotides
FIS-PO-85	V. Barone, P. Cimino, O. Crescenzi, M. C. Menziani, A. Pedone, <u>E. Stendardo</u> Parameterization of the AMBER force-field to study nitroxide systems in vacuo and in condensed phase
FIS-PO-86	E. Binetti, C. Ingrosso, J. Y. Kim, V. Fakhfour, <u>M. Striccoli</u> , A. Agostiano, M. J. Brugger, L. Curri Ink-jet printing of highly luminescent nanocrystal/conductive polymer nanocomposites
FIS-PO-87	P. Demontis, R. Sale, <u>G. B. Suffritti</u> Simulation of Ca-Na cation exchange in zeolite A: a molecular dynamics computer simulation study
FIS-PO-88	<u>C. Tedesco</u> , L. Erra, M. Brunelli, V. Cipolletti, C. Gaeta, J. L. Atwood, A. N. Fitch, P. Neri Methane storage in a supramolecular organic zeolite
FIS-PO-89	G. D'Errico, L. Paduano, O. Ortona, G. Mangiapia, A. M. D'Ursi, D. Marsh, <u>G. Vitiello</u> Interaction of short modified peptides deriving from glycoprotein gp36 of feline immunodeficiency virus with phospholipid membranes
FIS-PO-90	I. Carnimeo, A. Agostiano, M. Causà Ab initio study of relative stability of TiO ₂ surfaces and crystal morphology
FIS-PO-91	<u>L. Giussani</u> , E. Fois, E. Gianotti, G. Tabacchi, A. Gamba, S. Coluccia A Simulation study of pepsin in water and in contact with silica surfaces

**Divisione di
Chimica Industriale**

Lunedì 6	
	Sala Amalfi
9:00 – 9:20	Bezzi Vincitore Borsa di Dottorato
9:20 – 9:40 IND-OR-1	<u>C. Pirola</u> , C. L. Bianchi, R. Magnani, A. Di Michele, P. Diodati, V. Ragaini High loading Fe-supported Fischer Tropsch catalysts: comparison among different preparation methods
9:40 – 10:00 IND-OR-2	<u>C. G. Visconti</u> , L. Lietti, E. Tronconi, P. Forzatti, R. Zennaro, S. Rossini, E. Finocchio Investigation on the reactivity of CO ₂ in the Fischer- Tropsch synthesis over a cobalt-based catalyst
10:00 – 10:30	Pausa
10:30 – 10:50 IND-OR-3	<u>C. Cannilla</u> , G. Bonura, L. Spadaro, F. Frusteri, G. Trunfio, F. Arena Enhanced biodiesel production by novel ceria-based hydrophobic catalysts
10:50 – 11:10 IND-OR-4	<u>E. Santacesaria</u> , R. Tesser, G. Carotenuto, D. Verde, L. Casale, M. Di Serio Influence of phase equilibrium in fatty acid esterification with methanol using ion-exchange resins as catalyst
11:10 – 11:30 IND-OR-5	A. M. Raspolli Galletti, C. Antonetti, M. Martinelli, V. De Luise Catalytic conversion of biomass to chemicals and sustainable fuel additives
11:30 – 11:50 IND-OR-6	A. Villa, P. Spontoni, G. Veith, <u>L. Prati</u> Glycerol selective oxidation
11:50 – 12:10 IND-OR-7	<u>M. Di Serio</u> , R. Tesser, L. Casale, E. Santacesaria New process for the production of glycerol ter-butyl ethers
12:10 – 13:00 IND-KN-1	C. Perego Biomass catalytic conversion to fuel and energy
Martedì 7	
	Sessione Poster
13:00 – 14:30	Poster IND-PO-1 / 12
	Sala Amalfi
14:30 – 14:50 IND-OR-8	<u>A. Salvini</u> , W. Oberhauser, L. Luconi, C. Bianchini Synthesis of amines by homogeneous catalytic hydrogenation of imines and nitriles
14:50 – 15:10 IND-OR-9	D. Dondi, D. Ravelli, A. Albini, <u>M. Fagnoni</u> Polyoxotungstate-photocatalyzed C-C bond formation
15:10 – 15:30 IND-OR-10	P. Nissensohn, D. Dabdub, R. Das, V. Maurino, C. Minero, <u>D. Vione</u> Photochemical processes at the air-water interface of atmospheric droplets
15:30 – 17:30	Assemblea della Divisione

Mercoledì 8	
	Sala Nettuno 5+6
	Sessione congiunta con la Divisione di Chimica Inorganica
9:00 – 9:50 INO-IL-4 / CHINI LECTURE	A. Corma Single and multiple site solid catalysts for sustainable chemistry
9:50 – 10:20	Pausa
	Sala Amalfi
10:20 – 10:40 IND-OR-11	<u>A. Scarso</u> , G. Strukul Green Catalytic Asymmetric Oxidations in Water: Supramolecular Micellar Effects
10:40 – 11:00 IND-OR-12	M. Lombardo, <u>C. Trombini</u> Ion-tagged catalysts working under liquid-liquid biphasic conditions
11:00 – 11:20 IND-OR-13	G. Trunfio, <u>C. Saja</u> , J. Negro, F. Arena Novel Mn-based catalysts for the catalytic wet air oxidation (CWAO) of phenol
11:20 – 11:40 IND-OR-14	<u>M. Signoretto</u> , E. Ghedini, V. Trevisan, F. Pinna, M. Ongaro, C. Bianchi, S. Ardizzone Nanoporous titania/silica catalysts for the abatement of inorganic pollutants
11:40 – 12:00 IND-OR-15	<u>C. Milone</u> , D. Manikandan, S. Galvagno, M. Lanza, G. Messina, S. Santangelo On the synthesis of CNTs-montmorillonite composites by Chemical Vapor Deposition
12:00 – 12:50 IND-KN-2	E. Reverchon Present and future applications of supercritical fluids
Giovedì 9	
	Sala Amalfi
9:00 – 9:20 IND-OR-16	E. Montoneri, <u>V. Boffa</u> , D. G. Perrone, L. Garlasco, M. Ghezzi, P. Savarino Bio-based products from urban wastes for the chemical industry
9:20 – 9:40 IND-OR-17	<u>L. Citro</u> , R. V. Gagliardi A study on the environmental consequences of hydrocarbons accidental releases by pipelines
9:40 – 10:00 IND-OR-18	P. Avino Anthropogenic and natural risks in environmental and toxicological studies
10:00 – 10:30	Pausa
10:30 – 12:20	Tavola rotonda: Didattica e Ricerca in Chimica Industriale per uno sviluppo Sostenibile
12:10 – 13:00 IND-KN-3	<u>P. Witte</u> , J. Brandts, H. Donkersvoort, P. Berben Green stereoselective processes using innovative heterogeneous catalysts

Venerdì 10	
	Sala Amalfi
9:00 – 9:20 IND-OR-19	<u>O. Buchneva</u> , I. Rossetti, C. Biffi, A. Krukov, N. Lebedeva Ag-doped perovskites for the catalytic flameless combustion of methane
9:20 – 9:40 IND-OR-20	A. Nardini, G. Pacchiarotta, A. Rubino, <u>P. Villa</u> A new family of catalysts for the energy and the environment based on BaZrO ₃ doped systems
9:40 – 10:00 IND-OR-21	P. S. Barbato, <u>G. Landi</u> , R. Pirone, G. Russo Catalytic combustion of methane-hydrogen mixtures on Pt-doped and undoped LaMnO ₃ platelets
10:00 – 10:30	Pausa
10:30 – 10:50 IND-OR-22	<u>G. Italiano</u> , C. Espro, F. Arena, F. Frusteri A Novel Approach for H ₂ Production by Methane Decomposition over Thin Layer Catalysts
10:50 – 11:10 IND-OR-23	L. Lisi, R. Pirone, G. Russo Redox properties of CuO/CeO ₂ catalysts in the CO PROX
11:10 – 11:30 IND-OR-24	N. Ballarini, F. Cavani, <u>S. Cocchi</u> , S. Passeri A redox cycle approach for the production of H ₂ by two-step methanol reforming
11:30 – 11:50 IND-OR-25	F. Arena, <u>G. Bonura</u> , G. Italiano, L. Spadaro, C. Cannilla, F. Frusteri Fine tuning optimization of “dual-site” Cu based catalytic systems for methanol synthesis by CO ₂ hydrogenation
11:50 – 12:40 IND-KN-4	B. Kamm Recent Developments of the Biorefinery Concepts

	Elenco dei Poster
IND-PO-1	A. M. Raspolli Galletti, C. Antonetti, F. Bellina, M. Martinelli, P. Culla Microwaves as tool for catalytic processes intensification
IND-PO-2	C. Pirola, <u>C. L. Bianchi</u> , S. Pinetti, D. Boffito, V. Ragaini Deacidification of vegetable oils for biodiesel production by heterogeneous catalysis using low temperature and pressure
IND-PO-3	S. Scirè, C. Crisafulli, P. M. Riccobene, S. Giuffrida Influence of the support on the preparation of Pt catalysts through liquid phase photo-deposition
IND-PO-4	C. Pirola, C. L. Bianchi, P. Alborghetti, <u>V. Ragaini</u> Pt-Co and Ru-Co Fischer Tropsch (FT) catalysts prepared by co-impregnation or successive impregnation: characterization study and FT results
IND-PO-5	<u>E. Ghedini</u> , M. Signoretto, F. Menegazzo, F. Pinna, G. Strukul, M. Manzoli, F. Boccuzzi Influence of preparation procedure on physical and catalytic properties of zirconia supported Pd-Au samples

IND-PO-6	R. Bernini, E. Mincione, R. Saladino, <u>M. C. Ginnasi</u> New fluorinated catalysts of MTO for ecofriendly epoxidation with H_2O_2
IND-PO-7	<u>G. Mele</u> , I. Pio, G. Vasapollo, E. García-López, G. Marci, L. Palmisano New TiO_2 based photocatalysts for the degradation of organic pollutants in water
IND-PO-8	<u>E. Amadio</u> , G. Cavinato, Z. Freixa, P. W. N. M. van Leeuwen, L. Toniolo Pd(II)-diphosphine catalysts for the oxidative carbonylation of alkanols
IND-PO-9	<u>S. Bonollo</u> , F. Fringuelli, D. Lanari, F. Pizzo, L. Vaccaro JandaJel-supported TBD as an efficient and reusable catalyst under solvent-free conditions
IND-PO-10	<u>R. Ballini</u> , S. Gabrielli, A. Palmieri One-pot Synthesis of 2H-1,4-Benzoxazin-2-one Derivatives under Heterogeneous Conditions
IND-PO-11	<u>A. Albini</u> , M. Fagnoni, S. Protti, V. Dichiarante, S. Lazzaroni Photochemistry as a green route to Ar-C bonds
IND-PO-12	<u>V. Villani</u> , G. Giammarino The mechanism of the Ziegler-Natta syndiospecific catalysis at <i>ab-initio</i> level

**Divisione di
Chimica Inorganica**

Lunedì 6	
	Sala Nettuno 5+6
	<i>Chair: Claudio Pettinari</i>
9:00 – 9:50 INO-IL-1	M. Beller Catalysis: A Key Technology for Solving the Problems of the 21th Century
9:50 – 10:10 INO-OR-1	<u>W. Baratta</u> , C. Barbato, G. Chelucci, S. Magnolia, K. Siega, P. Rigo Fast and productive Os and Ru catalysts for asymmetric reduction of carbonyl compounds
10:10 – 10:30 INO-OR-2	<u>L. Gazzola</u> , A. Biffis, C. Tubaro, G. Buscemi, M. Basato Hydroarylation of alkynes catalysed by Pd(II) complexes
10:30 – 10:50	Pausa
	<i>Chair: Robertino Zanoni</i>
10:50 – 11:10 INO-OR-3	M. Caporali, A. Ienco, L. Gonsalvi, M. Peruzzini New insights into the activation of white phosphorus
11:10 – 11:30 INO-OR-4	M. Aresta, A. Dibenedetto, <u>F. Nocito</u> Synthesis of glycerol carbonate from glycerol and urea catalyzed by γ -Zirconium phosphate. A study on the catalyst and on the influence of the reaction conditions
11:30 – 11:50 INO-OR-5	<u>F. Grisi</u> , A. Mariconda, V. Bertolasi, C. Costabile, P. Longo Influence of <i>syn</i> and <i>anti</i> substitution on the backbone of NHC-ruthenium catalysts in olefin metathesis
11:50 – 12:10 INO-OR-21	A. Ciancetta, C. Coletti, A. Marrone, <u>N. Re</u> A Density Functional Study of the reactivity of Carboplatin with chloride ions and sulphur nucleophiles
12:10 – 12:30 INO-OR-7	<u>S. A. De Pascali</u> , P. Papadia, L. Marchiò, M. Lanfranchi, A. Ciccarese, F. P. Fanizzi Selective Substitution Reactions in β -diketonate Pt(II) Complexes with Hard/Soft Nucleophiles
	Sala Nettuno 5+6
	Sessione congiunta con il Gruppo Interdivisionale di Chimica Organometallica
	<i>Chair: Pierluigi Rigo</i>
12:30 – 13:00 INO-KN-1 / GICO	T. Benincori, A. Marchesi, P. R. Mussini, T. Pilati, A. Ponti, S. Rizzo, <u>F. Sannicolò</u> Designing Chiral Monodentate Ligands Devoid of Rigid Stereogenic Elements: the Residual Enantiomers of C_3 Symmetric P-centered Propellers
	Sessione Poster
13:00 – 14:30	Poster INO-PO-1 / 20
14:30 – 15:30	Assemblea della Divisione
Martedì 7	
	Sessione Poster

13:00 – 14:30	Poster INO-PO-21 / 40
	Sala Nettuno 5+6
	Sessione congiunta con la Divisione di Chimica dei Sistemi Biologici <i>Chair: Maurizio Peruzzini, Roberto Fattorusso</i>
15:00 – 15:50 INO-IL-3	E. Rizzarelli The inorganic side of Alzheimer's disease
	Sala Nettuno 5+6
15:50 – 16:10 INO-OR-8	<u>C. Santini</u> , C. Marzano, L. Marchiò Design and synthesis of copper complexes for developing bioinorganic target-specific drugs
16:10 – 16:30	Pausa
	<i>Chair: Antonio Tiripicchio</i>
16:30 – 16:50 INO-OR-9	<u>Ž. Krpetić</u> , G. Scari, <u>F. Porta</u> Gold particle stabilization by Cape Aloe active components
16:50 – 17:10 INO-OR-10	<u>C. Battocchio</u> , I. Fratoddi, I. Venditti, M. V. Russo, G. Polzonetti π -conjugated organometallic thiols grafted on gold: electronic and molecular structures investigated by XPS, NEXAFS and reflEXAFS
17:10 – 17:30 INO-OR-11	<u>G. Battistuzzi</u> , M. Borsari, C. A. Bortolotti, S. Casalini, M. Sola Towards the development of a metalloprotein-based "fourth generation" biosensor
	Sala Nettuno 5+6
	Sessione congiunta con il Gruppo Interdivisionale di Risonanze Magnetiche <i>Chair: Mauro Andrea Cremonini</i>
17:30 – 18:00 INO-KN-2 / GIRM	M. Botta MRI and Ln(III) coordination chemistry: from small complexes to nanosized systems
Mercoledì 8	
	Sala Nettuno 5+6
	Sessione congiunta con la Divisione di Chimica Industriale <i>Chair: Michele Aresta</i>
9:00 – 9:50 INO-IL-4 / CHINI LECTURE	A. Corma Single and multiple site solid catalysts for sustainable chemistry
	Sala Nettuno 5+6
9:50 – 10:10 INO-OR-12	F. Amoroso, S. Colussi, A. Del Zotto, A. Trovarelli Pd/CeO ₂ : a highly efficient and recyclable catalyst for the room temperature Suzuki-Miyaura reaction
10:10 – 10:30 INO-OR-13	I. Bassanetti, M. Gennari, <u>L. Marchiò</u> Coordination polymers based on pre-organized NS donor ligands
10:30 – 10:50	Pausa
	<i>Chair: Giancarlo Pelizzi</i>

10:50 – 11:10 INO-OR-14	G. Pellegrino, A. Cornia, A. Motta, I. L. Fragalà, <u>G. G. Condorelli</u> Grafting of tetrairon(III) Single Molecule Magnets (SMM) on the Si(100) surface
11:10 – 11:30 INO-OR-15	P. Antonioti, L. Operti, <u>R. Rabezzana</u> , F. Turco, G. A. Vaglio, M. Giordani, F. Grandinetti Ion/molecule reactions in SiH ₄ /NF ₃ mixtures
11:30 – 11:50 INO-OR-16	S. Gross Sulphur- and oxygen based carboxylic ligands for the synthesis of functional molecules and nanostructures
11:50 – 12:10 INO-OR-17	<u>A. Boccia</u> , V. Di Castro, V. Lanzilotto, R. Zanoni, A. Arduini, L. Pescatori, A. Pochini, A. Secchi Production and surface studies of new functional hybrids based on Si(100) and copper surfaces reacted with calixarenes
12:10 – 12:30 INO-OR-18	<u>M. Iannelli</u> , F. Bergamelli Microwave-assisted synthesis of N-[1-pyridin-2-ylethylidene]propylamine-palladium diacetate complex covalently anchored on glass beads
	Sala Nettuno 5+6
	Sessione congiunta con il Gruppo Interdivisionale di Radiochimica <i>Chair: Enrico Sabbioni</i>
12:30 – 13:00 INO-KN-3 / GIR	C. Bolzati, M. Porchia, F. Refosco, <u>F. Tisato</u> Coordination chemistry toward the design of novel radiopharmaceuticals: how to prepare and evaluate a ^{99m} Tc myocardial imaging agent
	Sessione Poster
13:00 – 14:30	Poster INO-PO-41 / 58
Giovedì 9	
	Sala Nettuno 5+6
	<i>Chair: Maurizio Peruzzini</i>
9:00 – 9:50 INO-IL-5	Premio Nasini 09 A. Rosato The roles of metal ions in cells: bioinformatic and experimental studies
9:50 – 10:10 INO-OR-19	<u>F. Vizza</u> , V. Bambagioni, C. Bianchini, J. Filippi, W. Oberhauser, A. Marchionni, S. Moneti, V. Dal Santo, R. Psaro, L. Sordelli, M. L. Foresti, M. Innocenti Energy & chemicals from renewables by electrocatalysis
10:10 – 10:30 INO-OR-20	<u>P. Antonioti</u> , S. Borocci, F. Grandinetti Gas-phase reactions of alkyl radicals with NF ₃ : bimolecular homolytic substitution vs F-atom abstraction
10:30 – 10:50	Pausa
	<i>Chair: Francesco Ruffo</i>
10:50 – 11:10	B. Milani, F. Ragaini, C. J. Elsevier, <u>E. Zangrando</u>

INO-OR-6	Systematic X-ray study on Pd-complexes with Aryl-BIAN ligands
11:10 – 11:30 INO-OR-22	<u>E. Gabano</u> , M. Ravera, L. P. A. Gaviglio, M. Sardi, M. Gariboldi, E. Monti, D. Osella Synthesis and characterization of a series of Pt(IV) complexes: relationship between cytotoxicity and physico-chemical parameters
11:30 – 11:50 INO-OR-23	<u>P. Mineo</u> , E. Scamporrino, D. Vitalini Chirogenesis by Uncharged Water-Soluble Cobal-Porphyrin Tweezers: A Receptor for α -Amino Acids
11:50 – 12:10 INO-OR-24	<u>G. De Luca</u> , A. Romeo, L. Monsù Scolaro Porphyrins deposition on surfaces through self-assembly: ionic interactions lead the way
12:10 – 12:30 INO-OR-25	<u>D. Forrer</u> , F. Sedona, M. Di Marino, M. Sambì, A. Vittadini, M. Casarin, E. Tondello, M. Pavone, V. Barone Iron Phtalocyanine self-assembly on Ag(110): a combined STM/DFT study
	<i>Chair: Alberto Albinati</i>
12:30 – 13:00 INO-KN-4	Premio di Dottorato <u>G. Manca</u> , F. Fabrizi de Biani, A. Albinati, S. Bruzzone, C. Guidotti, P. Leoni, L. Marchetti, S. Rizzato, P. Zanello Synthesis and Electron Transfer in Organometallic Systems containing Platinum Clusters
Venerdì 10	
	Sala Nettuno 5+6
	<i>Chair: Roberto Gobetto</i>
9:00 – 9:50 INO-IL-6	Premio Nasini 08 S. Silvi, M. Venturi, <u>A. Credi</u> Transition Metal Complexes as Components of Molecular Machines and Logic Gates
9:50 – 10:10 INO-OR-26	<u>E. Ferrari</u> , F. Pignedoli, S. Lazzari, C. Imbriano, G. Marverti, M. Saladini Development of new Metal-chelating multi-target drugs derived from Curcumin
10:10 – 10:30 INO-OR-27	X. Cai, <u>M. P. Donzello</u> , C. Ercolani, K. M. Kadish, E. Viola Electrochemical Studies on Dicyano-precursors and Related Electron-deficient Porphyrazine Macrocycles
10:30 – 10:50	Pausa
	<i>Chair: Adriana Saccone</i>
10:50 – 11:10 INO-OR-28	<u>D. Zuccaccia</u> , L. Belpassi, F. Tarantelli, A. Macchioni Ion Pairing in Cationic Olefin-Gold(I) Complexes
11:10 – 11:30 INO-OR-29	<u>F. Ragaini</u> , A. Schira, V. Pinto, S. Dal Corso, B. Galbiati, N. Casati, P. Macchi Magnetic nanoparticles as supports for homogeneous catalysts. A general preparation strategy

11:30 – 11:50 INO-OR-30	<u>V. Benessere</u> , A. De Roma, F. Ruffo A modular library of chiral P-ligands based on carbohydrates for highly enantioselective asymmetric catalysis
11:50 – 12:10 INO-OR-31	<u>A. Colombo</u> , C. Dragonetti, S. Righetto, D. Roberto, R. Ugo, A. Valore, T. Benincori, F. Sannicolò New Ru(II) and Zn(II) complexes with interesting second order nonlinear optical properties
12:10 – 12:30 INO-OR-32	<u>F. Rossi</u> , F. Laschi, F. Fabrizi de Biani, P. Zanello, P. Buchalski, E. Kamińska, K. Piwowar, K. Suwińska, L. Jerzykiewicz Electron Transfer Activity, EPR Spectroscopy and Theoretical Calculations of Nickelacyclic-cobaltocene and Nickelacyclic-nickelocene
	Sala Nettuno 5+6
	Sessione congiunta con il Gruppo Interdivisionale di Chimica Strutturale <i>Chair: Carlo Mealli</i>
12:30 – 13:00 INO-KN-5 / GICS	<u>A. Bacchi</u> , M. Carcelli, P. Pelagatti Size and shape influence on inclusion properties of metallorganic wheel-and-axle systems

	Elenco dei Poster
INO-PO-1	<u>A. Agostino</u> , S. Cagliero, M. M. R. Khan, C. Plapcianu, M. Truccato Al chemical doping effects on superconducting YBCO whiskers for THz applications
INO-PO-2	G. Alibrandi, <u>C. Lo Vecchio</u> Molecular kinetic devices for variable parameter experiments
INO-PO-3	<u>C. Andreozzi</u> , M. Faiella, O. Maglio, V. Pavone, W. F. DeGrado, F. Nastri, A. Lombardi De novo design of an artificial diiron protein: DF3, a new selective oxidation catalyst
INO-PO-4	M. Aresta, A. Dibenedetto, C. Pastore, <u>A. Angelini</u> DRIFT studies on the surface of CeO ₂ and Al/Ce mixed oxide used as catalyst in the direct carboxylation of methanol to dimethylcarbonate
INO-PO-5	M. Benedetti, D. Antonucci, D. Migoni, S. A. De Pascali, V. M. Vecchio, F. Capitelli, F. P. Fanizzi New Aryloxo Platinum(II) complexes with <i>N</i> -donor ligands
INO-PO-6	<u>P. Barbaro</u> , V. Dal Santo, A. Galarneau, F. Liguori, L. Ostinelli, F. Vizza, C. Bianchini Immobilization of Rh-complexes on supported mesoporous ordered silica – Pd nanoparticles for selective hydrogenation reactions
INO-PO-7	<u>C. R. Barone</u> , S. de Pinto, L. Maresca, G. Natile Phenanthrolines and olefins in the coordination sphere of platinum(II)

INO-PO-8	A. Biffis, C. Tubaro, E. Scattolin, <u>M. Basato</u> , C. Santini Coupling reactions with copper(I) N-heterocyclic carbene catalysts
INO-PO-9	<u>L. Bassanetti</u> , M. Gennari, L. Marchiò Self-Assembled Molecular Capsule
INO-PO-10	<u>M. Benedetti</u> , D. Antonucci, D. Migoni, S. A. De Pascali, V. M. Vecchio, F. P. Fanizzi New organometallic Platinum containing biomimetic Vitamin E analogues
INO-PO-11	P. Benzi, E. Bottizzo, C. Demaria Hydrogenated amorphous germanium carbide obtained from radiolysis of GeH ₄ /C ₂ H ₄ and GeH ₄ /C ₃ H ₄ mixtures: annealing effect on the features and properties of the solids
INO-PO-12	<u>G. Bottari</u> , F. Faraone, W. Leitner, G. Franciò New chiral P,N-ligands from β-pinene and their use in the asymmetric iridium-catalysed hydrogenation of imines and olefins
INO-PO-13	<u>A. Caselli</u> , F. Cesana, E. Gallo, N. Casati, P. Macchi, S. Cenini Asymmetric cyclopropanation catalyzed by Cu(I) complexes of new chiral pyridine-containing macrocyclic ligands
INO-PO-14	<u>M. Casolaro</u> , R. Cini, B. Del Bello, E. Maellaro Platforms Based on Cisplatin-Polyampholyte Hydrogels for Chemotherapy
INO-PO-15	<u>B. Chiavarino</u> , M. E. Crestoni, S. Fornarini, F. Lanucara Iron(II) and iron(III) hemes: comparative properties of the bare NO interaction
INO-PO-16	<u>L. Del Coco</u> , P. Papadia, M. Rizzi, F. P. Schena, F. P. Fanizzi, I. Muzzalupo, E. Perri, G. Cesari, V. Simeone, D. Mondelli A multidisciplinary approach to Apuliae monovarietal extra virgin olive oil characterization: NMR spectroscopy associated with genetic survey and soil analysis
INO-PO-17	M. C. Smith, Y. Xiao, H. Wang, S. J. George, A. Sironi, <u>R. Della Pergola</u> , D. A. Case, S. P. Cramer Normal Mode Analysis of [Fe ₆ N(CO) ₁₅] ³⁻ – Dynamics of an Interstitial Nitrido Cluster via Nuclear Resonance Vibrational Spectroscopy (NRVS)
INO-PO-18	<u>B. Di Credico</u> , L. Gonsalvi, G. Reginato, A. Rossin, M. Peruzzini Metal-Organic Coordination Architectures with Thiazole-and Oxazole-Spaced Carboxylates
INO-PO-19	R. Cortese, <u>D. Duca</u> , F. Ferrante Theoretical modeling of IRMOF-3: a computational approach on a heterogeneous basic catalyst
INO-PO-20	G. Barone, <u>D. Duca</u> , G. Li Manni, D. Yu. Murzin The hydrogenolysis of hydroxymatairesinol to matairesinol over zeolite supported palladium catalyst
INO-PO-21	A. Colombo, C. Dragonetti, D. Roberto, R. Ugo, T. Benincori, F. Sannicolò, <u>L. Falciola</u>

	Novel Ru(II) derivatives of fullerene as potential acceptors for bulk-heterojunction solar cells
INO-PO-22	D. Drommi, G. Brancatelli, G. Bruno, <u>F. Faraone</u> Effect of thiourea chiral ligand fluxionality process on enantioselectivity induction in palladium-catalyzed asymmetric allylic alkylation reaction of 1,3-diphenylallyl acetate by dimethylmalonate ion
INO-PO-23	D. Barreca, A. Devi, R. A. Fischer, E. Fois, A. Gamba, <u>A. Gasparotto</u> , C. Maccato, R. Seraglia, G. Tabacchi, E. Tondello Co(hfa) ₂ •TMEDA as innovative precursor for cobalt oxides nanostructures: structure, bonding and reactivity
INO-PO-24	<u>R. Gobetto</u> , C. Garino, D. Gianolio, C. Lambert, C. Nervi, T. Ruiui, G. Salassa, R. Bizzarri, L. Salassa, P. J. Sadler Ligand-Selective Photodissociation from [Ru(bpy)(4AP) ₄] ²⁺ : a Spectroscopic and Computational Study
INO-PO-25	<u>L. Lista</u> , P. Ringhieri, O. Maglio, F. Nastri, A. Lombardi, V. Pavone Catalytic activity of a new heme-protein model
INO-PO-26	<u>S. Livraghi</u> , A. M. Czoska, M. C. Paganini, E. Giamello Tuning Titanium Dioxide Photocatalytic properties by non metal doping
INO-PO-27	<u>P. Longo</u> , M. Napoli, C. Bocchino, F. Grisi, C. Costabile, P. Oliva Synthesis, characterization and catalytic activity in the polymerization of olefins of octahedral zirconium complexes having bidentate – monoanionic [NHC-O] carbene ligands
INO-PO-28	<u>S. Magnolia</u> , W. Baratta, K. Siega, P. Rigo A Large Library of Chiral Ruthenium Complexes for The Reduction of Ketones
INO-PO-29	<u>A. Mariconda</u> , F. Grisi, C. Costabile, P. Longo Ru-Based Complexes Bearing Saturated Chiral N-Heterocyclic Carbene Ligands: efficient catalysts for olefin metathesis
INO-PO-30	L. Busetto, D. Fabbri, <u>R. Mazzoni</u> , M. Salmi, C. Torri, V. Zanotti Application of the Shvo Catalyst in Bio-oil Upgrading. Hydrogenation of Fast Pyrolysis Oil and Related Model Compounds
INO-PO-31	<u>E. Moretti</u> , A. Talon, L. Storaro, M. Lenarda, E. Rodríguez-Castellón CuO/Ce _(1-x) Zr _x O ₂ porous layered materials for the CO Preferential Oxidation
INO-PO-32	M. P. Donzello, C. Ercolani, F. Monacelli, G. Moretti, <u>P. Moro</u> Photocatalytic Degradation of 4-Nitrophenol by Pyrazinoporphyrazines Deposited on TiO ₂ (anatase)
INO-PO-33	<u>G. Papini</u> , M. Pellei, G. Gioia Lobbia, H. V. R. Dias, C. Santini Copper(I) Complexes of Fluorinated Bis- and Mono-(pyrazolyl)borate ligands
INO-PO-34	<u>G. Peli</u> , M. Daghetta, P. Macchi, L. Garlaschelli, A. Sironi

	Synthesis of oligomeric and polymeric Rh(I) halocarbonyl-diphosphine compounds
INO-PO-35	C. Pettinari, F. Garau, M. Monari, L. Pandolfo, R. Pettinari, F. Marchetti Synthesis and characterization of new polytopic ligands based on the 1,3,5-triazine spacer and pyrazolyl, tris-pyrazolylmethyl and tris-pyrazolylethoxy bonding fragments
INO-PO-36	<u>F. Pignedoli</u> , F. Spagnolo, R. Benassi, M. Saladini Development of new potentially tridentate Gallium ligands as chemotherapeutic agent
INO-PO-37	M. Delferro, C. Graiff, M. Mazzani, M. Riccò, <u>G. Predieri</u> , A. Tiripicchio Role of SeO_3^{2-} anion as super-exchange bridge in a dinuclear nickel(II) complex
INO-PO-38	<u>F. Ragaini</u> , F. Ferretti, R. Lariccia, S. Cenini Influence of substituted phenanthrolines on the palladium catalyzed carbonylation of nitrobenzene
INO-PO-39	F. Bachechi, A. Burini, R. Galassi, G. Papini, M. Pellei, <u>S. Ricci</u> , C. Santini Synthesis of new P,N ligands and their late transition metal complexes for antitumor activity studies
INO-PO-40	F. Borbone, A. Carella, P. Morvillo, <u>L. Ricciotti</u> , A. Roviello New regioregular polythiophenes for photovoltaic polymeric cells
INO-PO-41	<u>L. Rigamonti</u> , M. Rusconi, C. Manassero, M. Manassero, A. Forni, A. Pasini <i>cis</i> and <i>trans</i> Influences in $\text{Pt}(\text{PPh}_3)_2$ Complexes
INO-PO-42	A. Ranieri, M. Borsari, M. Sola, G. Battistuzzi, <u>P. Ringhieri</u> , L. Lista, V. Pavone, A. Lombardi Electrochemistry of synthetic heme-proteins for electrochemical biosensing
INO-PO-43	<u>A. Rizzuti</u> , M. Montecchi, A. Corradi, L. Pasquali, C. Leonelli Microwave-assisted polyol method for the preparation of Co-Fe based composite fine particles
INO-PO-44	<u>E. Rossi</u> , A. Colombo, C. Dragonetti, S. Righetto, D. Roberto, R. Ugo, A. Valore New Pt(II) complexes with interesting luminescent and second order nonlinear optical properties
INO-PO-45	M. E. Cucciolito, <u>R. Del Litto</u> , <u>F. P. Fanizzi</u> , D. Migoni, <u>G. Roviello</u> , F. Ruffo Ligands derived from sugars: synthesis and characterization of hydrophilic Pt(II) complexes
INO-PO-46	<u>A. Saccone</u> , S. De Negri, M. Skrobanska, P. Solokha, S. Delfino Synthesis and crystal structures of novel La-X-Mg (X=Si, Ge, Sn) ternary phases
INO-PO-47	<u>M. Saviano</u> , A. Del Gatto, C. Pedone, A. Zannetti, F. Iommelli, M.

	R. Panico, M. Salvatore, S. Del Vecchio, L. Zaccaro microPET/CT of mice bearing $\alpha_v\beta_3$ -expressing tumors by a ^{18}F -labeled ifunctional chimeric RGD peptide
INO-PO-48	<u>K. Siega</u> , W. Baratta, S. Magnolia, P. Rigo Transfer Hydrogenation and Hydrogenation of Ketones Catalysed by Ruthenium(II) and Osmium(II) Benzo[h]quinoline Complexes
INO-PO-49	<u>L. Storaro</u> , M. Lenarda, A. Talon, E. Moretti, G. Chessa Synthesis and characterization of kaolinite-organic nanohybrid materials
INO-PO-50	<u>D. Tesauro</u> , A. Accardo, C. Pedone, A. Morisco, R. Palumbo, G. Morelli Pt(II) complex anchored to CCK8 peptide as target selective cytotoxic agent toward tumor cells
INO-PO-51	U. Caruso, R. Diana, <u>B. Panunzi</u> , A. Roviello, M. Tingoli, A. Tuzi Novel Pd and Cu based metallomesogens from thiophene containing ligands
INO-PO-52	<u>I. Venditti</u> , L. Chronopoulou, C. Palocci, I. Fratoddi, M. V. Russo Polymeric nanobeads for bioactive molecules encapsulation
INO-PO-53	X. Cai, M. P. Donzello, C. Ercolani, K. M. Kadish, L. Mannina, <u>E. Viola</u> On the Route to Porphyrazine Macrocycles with Bimodal Anticancer Potentialities: A New Pentanuclear Homometallic Pt(II) Complex
INO-PO-54	L. Rocchigiani, C. Zuccaccia, D. Zuccaccia, A. Macchioni PGSE and NOE investigations of zirconocenium-ion pairs in aromatic and aliphatic solvents with low polarity
INO-PO-55	C. Zuccaccia, A. Macchioni, E. Cariati, A. Facchetti, M. A. Ratner, T. J. Marks Structure-aggregation relationship in twisted zwitterionic electro-optic chromophores
INO-PO-56	G. Ciancaleoni, N. Fraldi, P. H. M. Budzelaar, V. Busico, A. Macchioni, <u>D. Zuccaccia</u> Activation of a bis(phenoxy-amine) precatalyst for olefin polymerisation: first evidence for an outer sphere ion pair with the methylborate counterion
INO-PO-57	<u>S. Fantauzzi</u> , E. Gallo, A. Caselli, F. Ragaini, N. Casati, P. Macchi, S. Cenini The Key-Intermediate in the Aminations of C-H Bonds: Synthesis, X-ray Characterization and Catalytic Activity of Ru(TPP)(NAr) ₂
INO-PO-58	<u>S. Fedi</u> , F. Rossi, P. Zanello, A. J. Welch Chemical communication among ferrocenyl units in <i>ortho</i> - and <i>meta</i> -carborane diferrocenyl complexes

**Divisione di
Chimica Organica**

Lunedì 6	
	Sala Ulisse
9:00 – 9:30	Consegna Medaglie e Premi alla Ricerca della Divisione di Chimica Organica Consegna Premi CINMPIS 2009
	<i>Chair: Giuseppe Guanti</i>
9:30 – 10:10 ORG-KN-1	Medaglia Mangini M. Prato Functionalization of Carbon Nanotubes for Materials and Nanomedical Applications: Synthesis and Challenges
10:10 – 10:30 ORG-OR-1	A. Abboto, N. Manfredi, C. Marini, F. De Angelis, E. Mosconi, S. Fantacci, J.-H. Yum, Z. Xianxi, M. K. Nazeeruddin, M. Grätzel Highly efficient organic and organometallic sensitizers for dye-sensitized solar cells
10:30 – 10:50 ORG-OR-2	<u>F. Gassa</u> , M. L. Gelmi, G. Fontana Diastereoselective synthesis of α -hydroxy- β -amino acids
10:50 – 11:10 ORG-OR-3	<u>G. Gattuso</u> , A. Notti, M. F. Parisi, A. Pappalardo, S. Pappalardo Supramolecular polymers based on the calix[5]arene/alkylammonium recognition motif
	<i>Chair: Maria Chiara Aversa</i>
11:10 – 11:30 ORG-OR-4	M. Gruttadauria, P. Agrigento, A. M. P. Salvo, R. Noto, <u>E. Giacalone</u> Proline- and prolinamide-supported polystyrene: powerful and highly recyclable organocatalysts for the asymmetric aldol reaction
11:30 – 11:50 ORG -OR-5	<u>E. Licandro</u> , S. Maiorana, G. Prencipe, D. Prosperi, P. Verderio Anchoring Peptide Nucleic Acids (PNAs) to ferrimagnetic iron oxide nanoparticles for DNA targeting
11:50 – 12:10 ORG-OR-6	P. Franchi, C. Gentilini, L. Pasquato, <u>M. Lucarini</u> Formation of patches on 3D self-assembled monolayers driven by thiols with immiscible chains observed by ESR spectroscopy
12:10 – 12:30 ORG-OR-7	<u>M. Mba</u> , S. Lovat, M. Pontini, E. Nagy, C. Zonta, G. Licini C ₃ symmetric amine triphenolate complexes as oxidation catalysts
12:30 – 13:00 ORG-KN-2	Premio alla ricerca: Chimica organica nei suoi aspetti meccanicistici e teorici A. Facchetti Synthesis, characterization, and properties of semiconducting and dielectric polymers for organic electronics
	Sessione Poster
13:00 – 14:30	Poster ORG-PO-1 / 34
Martedì 7	
	Sessione Poster

13:00 – 14:30	Poster ORG-PO-35 / 68
	Sala Ulisse
	<i>Chair: Francesco Naso</i>
14:30 – 15:10 ORG-KN-3	Medaglia Ciamician L. J. Prins Dynamic covalent capture: merging covalent and noncovalent synthesis
15:10 – 15:50 ORG-IL-1	O. De Lucchi Opportunities by benzocyclotrimers
	Sala Ulisse
	Sessione congiunta con il Gruppo Interdivisionale di Chimica Organometallica
	<i>Chair: Francesco Sannicolò</i>
16:00 – 16:30 ORG-KN-4	Premio alla ricerca: Chimica organica nei suoi aspetti sintetici: metodologie e prodotti S. Cacchi 30 years in the organic chemistry of palladium
16:30 – 16:50 ORG-OR-8/GICO	<u>M. Bonchio</u> , M. Carraro, A. Sartorel, G. Scorrano Hybrid catalysts: the merging of organic and inorganic domains to design new functional systems
16:50 – 17:10 ORG-OR-9 / GICO	<u>A. Operamolla</u> , O. H. Omar, F. Babudri, G. M. Farinola, F. Naso Novel synthetic strategies to conjugated oligomers bearing S-acetyl thiol groups and characterization of their self-assembled monolayers
17:10 – 17:30 ORG-OR-10 / GICO	<u>L. Veltri</u> , B. Gabriele, G. Salerno, M. Vetere, M. Attià, R. Mancuso, P. Plastina A novel synthesis of functionalized pyrroles by a PdI ₂ -catalyzed oxidative carbonylation approach
17:30 – 18:00 ORG-IL-2 / GICO	<u>M. Aresta</u> , A. Dibenedetto Synthesis and characterization of “labile” transition metal hydrides and their relevance to catalysis
Mercoledì 8	
	Sala Ulisse
	<i>Chair: Alberto Brandi</i>
9:00 – 9:40 ORG-KN-5	Medaglia Pino R. Ungaro Multivalent calixarene ligands and catalysts
9:40 – 10:00 ORG-OR-11	G. Della Sala, A. Lattanzi, S. Santoro, C. Santi Highly enantioselective organocatalytic desymmetrization of meso-aziridines by trialkylsilylchalcogenides
10:00 – 10:20 ORG-OR-12	P. Crotti, L. Favero, A. Fiasella, F. Macchia, <u>V. Di Bussolo</u> Stereospecific synthesis of (±)-4-amino-2,3-unsaturated aza-O-glycosides via diastereoisomeric iminoglycal-derived N-nosyl aziridines
10:20 – 10:40	<u>G. Reginato</u> , A. Mordini, B. Pezzati

ORG-OR-13	Synthesis of enantiomerically enriched aminosulphides via diastereoselective sulfonation of allylsilanes
10:40 – 11:00 ORG-OR-14	<u>F. Troisi</u> , T. Pierro, C. Gaeta, P. Neri The <i>p</i> -bromodienone route: turning nucleophilic calixarene rings to a versatile electrophilic system
	<i>Chair: Roberto Ballini</i>
11:00 – 11:05 ORG-FL-1	<u>C. Coppola</u> , S. Licen, G. Di Fabio, L. De Napoli, P. Tecilla, D. Montesarchio CyPLOS, novel synthetic ionophores based on amphiphilic disaccharide macrocycles
11:05 – 11:10 ORG-FL-2	R. Bernini, E. Mincione, M. Barontini, G. Fabrizi, <u>F. Crisante</u> A new procedure for the synthesis of hydroxytyrosol and dopamine derivatives by homogeneous and heterogeneous 2-iodoxybenzoic acid (IBX)
11:10 – 11:15 ORG-FL-3	<u>G. Delogu</u> , M. J. Matos, C. Picciau, G. Podda, E. Quezada, L. Santana, E. Uriarte Regioselective synthesis of halogenated 3-phenylcoumarins
11:15 – 11:20 ORG-FL-4	<u>S. Ferrini</u> , S. Fusi, F. Ponticelli Densely functionalized cyclopentadienes: synthesis and reactivity
11:20 – 11:25 ORG-FL-5	<u>R. Mancuso</u> , S. Mehta, B. Gabriele, G. Salerno, R. C. Larock New synthesis of dihydroisobenzofurans and isochromenes by iodocyclization of 2-alkynyl benzyl alcohols
11:25 – 11:30 ORG-FL-6	<u>A. Migliorini</u> , M. Bock, A. Kirschning Synthesis of Thuggacin derivatives: promising antibiotic agents against tuberculosis
11:30 – 11:35 ORG-FL-7	<u>L. Panzella</u> , A. Pezzella, A. Napolitano, M. d'Ischia Developing effective, natural-product inspired antinitrosating agents: the superior activity of piceatannol derivatives
11:35 – 11:40 ORG-FL-8	G. Cevasco, <u>A. Piatek</u> , C. Scapolla, S. Thea New fluorescent reagents with benzofurazan skeleton for the determination of carboxylic acids in biological fluids
11:40 – 11:45 ORG-FL-9	L. Beverina, S. Bradamante, G. A. Pagani, <u>P. Salice</u> , S. Versari Heterocycle-based squaraines in Photodynamic Therapy: towards theranostic applications
11:45 – 11:50 ORG-FL-10	E. Altieri, M. Cordaro, G. Grassi, F. Risitano, <u>A. Scala</u> Synthesis of a new series of hydroindolone derivatives
11:50 – 12:20 ORG-KN-6	Premio alla ricerca: Chimica organica nei suoi aspetti di determinazione strutturale e interazioni molecolari E. Dalcanele Molecular recognition with phosphonate cavitands
12:20 – 13:00 ORG-IL-3	<u>M. V. D'Auria</u> , A. Zampella, V. Sepe Bioactive peptides from sponges of the Lithistida order
13:00 – 14:30	Assemblea della Divisione
Giovedì 9	
	Sala Ulisse

	<i>Chair: Claudio Trombini</i>
9:00 – 9:40 ORG-IL-4	E. Marcantoni Recent applications of CeCl_3 as environmentally friendly promoter in organic chemistry
9:40 – 10:10 ORG-KN-7	Premio alla ricerca: Chimica organica nei suoi aspetti sintetici A. Guarna Diversity Oriented Synthesis (DOS): Strategies and applications in drug discovery
10:10 – 10:30 ORG-OR-15	<u>M. Baroncini</u> , S. Silvi, A. Credi, M. Venturi Photocontrol of the rate of Threading/Dethreading in Pseudorotaxanes
10:30 – 10:50 ORG-OR-16	A. Giovine, S. Florio, <u>R. Luisi</u> <i>ortho</i> -Lithiated aziridines and benzylic amines for the preparation of new difluoroborates as useful Suzuki-Miyaura reagents
10:50 – 11:10 ORG-OR-17	<u>L. Minuti</u> , E. Ballerini Synthesis of cannabinoids via high pressure Diels-Alder reaction
	<i>Chair: Maurizio D'Auria</i>
11:10 – 11:30 ORG-OR-18	<u>L. Pretali</u> , F. Tilocca, E. Fasani, A. Albini Photochemical Reaction Paths of Fleroxacin
11:30 – 11:50 ORG-OR-19	A. Astarita, F. Cermola, M. R. Iesce, L. Previtera, <u>M. Rubino</u> New tools in the photooxygenation reaction of furans
11:50 – 12:10 ORG-OR-20	G. Angelini, C. Chiappe, P. De Maria, A. Fontana, M. Pierini, <u>G. Siani</u> The base catalyzed keto-enol interconversion of 2-nitrocyclohexanone in ionic liquids
12:10 – 12:20	Celebrazione Paternò-Büchi M. D'Auria Emanuele Paternò- 100 years after his contribution to the birth of photochemistry
12:20 – 13:00 ORG-IL-5	A. G. Griesbeck The Paternò-Büchi reaction 100 years after the first experiments: chemo-, regio-, and stereocontrol as a matter of spin properties
	Sessione Poster
13:00 – 14:30	Poster ORG-PO-69 / 93, ORG-FL-1 / 10
Venerdì 10	
	Sala Ulisse
	Sessione congiunta con la Divisione di Chimica dei Sistemi Biologici
	<i>Chair: Francesco Gasparrini, Roberto Purrello</i>
9:00 – 9:40 ORG-KN-8	Medaglia Quilico G. Appendino Adventurous TRPs: Picking drugs leads and interesting chemistry in the garden of spices
9:40 – 10:00	A. Messere

CSB-OR-10	RNA Interference by RNA-3' or 5'-PNA Chimeras
10:00 – 10:20 ORG-OR-21 / DCSB	<u>L. Izzo</u> , G. Acosta, J. Tulla-Puche, F. Albericio Solid-phase synthesis of Kahalalide F analogues
10:20 – 10:40 CSB-OR-11	B. Ziaco, D. Diana, C. Pedone, R. Fattorusso, <u>L. D. D'Andrea</u> Peptides modulators of VEGF-dependent angiogenesis
10:40 – 11:00 ORG-OR-22 / DCSB	<u>B. Punzo</u> , A. Berstetskiy, A. Andolfi, A. Motta, A. Evidente The phytotoxins produced by <i>Altenaria sonchi</i> , a potential mycoherbicide for <i>Sonchus arvensis</i> biocontrol
11:00 – 11:20	Pausa
	<i>Chair: Rosa Lanzetta, Marco Franceschin</i>
11:20 – 11:40 ORG-OR-23 / DCSB	L. Luzzatto, C. Nativi, <u>B. Richichi</u> Synthesis of GPI anchor for PNH studies
11:40 – 12:00 CSB-OR-12	G. Paradossi Novel polymer shelled microbubbles for diagnostic and therapeutic purposes
12:00 – 12:20 ORG-OR-24 / DCSB	<u>S. Sforza</u> , T. Tedeschi, A. Calabretta, R. Corradini, R. Marchelli Design and synthesis of a Peptide Nucleic Acid embedding a pseudopeptide nuclear localization sequence in the backbone: a new peptide mimic
12:20 – 13:00 CSB-KN-6	M. Botta The fight against AIDS. The “old” Reverse Transcriptase (RT) and the “new” DDX3

	Elenco dei Poster
ORG-FL-1	<u>C. Coppola</u> , S. Licen, G. Di Fabio, L. De Napoli, P. Tecilla, D. Montesarchio CyPLOS, novel synthetic ionophores based on amphiphilic disaccharide macrocycles
ORG-FL-2	R. Bernini, E. Mincione, M. Barontini, G. Fabrizi, <u>F. Crisante</u> A new procedure for the synthesis of hydroxytyrosol and dopamine derivatives by homogeneous and heterogeneous 2-iodoxybenzoic acid (IBX)
ORG-FL-3	<u>G. Delogu</u> , M. J. Matos, C. Picciau, G. Podda, E. Quezada, L. Santana, E. Uriarte Regioselective synthesis of halogenated 3-phenylcoumarins
ORG-FL-4	<u>S. Ferrini</u> , S. Fusi, F. Ponticelli Densely functionalized cyclopentadienes: synthesis and reactivity
ORG-FL-5	<u>R. Mancuso</u> , S. Mehta, B. Gabriele, G. Salerno, R. C. Larock New Synthesis of Dihydroisobenzofurans and Isochromenes by Iodocyclization of 2-Alkynyl Benzyl Alcohols
ORG-FL-6	<u>A. Migliorini</u> , M. Bock, A. Kirschning Synthesis of Thuggacin Derivatives: Promising Antibiotic Agents against Tuberculosis

ORG-FL-7	<u>L. Panzella</u> , A. Pezzella, A. Napolitano, M. d'Ischia Developing effective, natural-product inspired antinitrosating agents: the superior activity of piceatannol derivatives
ORG-FL-8	G. Cevasco, <u>A. Piatek</u> , C. Scapolla, S. Thea New fluorescent reagents with benzofurazan skeleton for the determination of carboxylic acids in biological fluids
ORG-FL-9	L. Beverina, S. Bradamante, G. A. Pagani, <u>P. Salice</u> , S. Versari Heterocycle-based Squaraines in PhotoDynamic Therapy: Towards Theranostic Applications
ORG-FL-10	E. Altieri, M. Cordaro, G. Grassi, F. Risitano, <u>A. Scala</u> Synthesis of a new series of hydroindolone derivatives
ORG-PO-1	<u>L. Baù</u> , F. Mancina Tunable amplification in intracellular probes
ORG-PO-2	C. Fraschetti, F. Gasparrini, S. Levi Mortera, <u>M. Pierini</u> , M. Speranza, C. Villani Gas-phase multi-body self-assembling complexes analyzed by original multiconformational molecular docking procedure
ORG-PO-3	P. De Santis, C. Giordano, S. Morosetti, <u>P. Punzi</u> , A. Scipioni Cyclopeptides with regular enantiomeric sequences: a wide class of modular architectures for nanotechnological applications
ORG-PO-4	A. Marrocchi, M. Seri, F. Silvestri, C. Kim, A. Facchetti, <u>A. Taticchi</u> , T. J. Marks Acetylene-derived materials as versatile p-type semiconductors in field-effect transistors and in bulk heterojunction solar cells
ORG-PO-5	A. Di Crescenzo, P. De Maria, G. Siani, M. Meneghetti, M. Prato, <u>A. Fontana</u> Disaggregation of single-walled carbon nanotubes promoted by a ionic liquid-based surfactant in aqueous solution
ORG-PO-6	P. Franchi, E. Mezzina, <u>M. Lucarini</u> Increasing the persistency of stable nitroxide: synthesis of the first paramagnetic [1]rotaxane
ORG-PO-7	A. Dondoni, L. Moni, A. Marra, A. Ciogli, <u>I. D'Acquarica</u> , F. Gasparrini Synthesis of sugar-silica gels and sialoside-based materials via click azide-alkyne cycloaddition
ORG-PO-8	<u>C. Talotta</u> , F. Troisi, C. Gaeta, P. Neri Enantioselective HPLC Resolution of Inherently Chiral Meta-Substituted Calix[4]arenes
ORG-PO-9	<u>I. Giannicchi</u> , A. Dalla Cort, G. Portalone, M. Cametti, L. Schiaffino Zn-salophen complexes as versatile building blocks for molecular architectures
ORG-PO-10	<u>M. Arzillo</u> , A. Pezzella, A. Napolitano, M. d'Ischia, V. Ambroggi, P. Persico, C. Carfagna, L. Paduano, G. Mangiapia, A. Molisso Oxidative polymerization of 5,6-dihydroxyindole in

	polyvinylalcohol/phosphate buffer: toward innovative bioinspired functional materials with tailored melanin-mimicking structures
ORG-PO-11	<u>A. Scala</u> , G. Grassi, N. N. Sergeeva, M. O. Senge An investigation of Stille coupling reactions for the synthesis of porphyrin arrays
ORG-PO-12	<u>G. Cremonesi</u> , P. Dalla Croce, C. La Rosa Stereoselective synthesis of polyhydroxy- α -amino acids by ring opening of 4,5-dihydroisoxazolyl derivatives
ORG-PO-13	<u>S. Alfei</u> , M. Pucci, F. Lucchesini, V. Bertini Synthesis of linear glycopolymers containing D-galactose units and their glycosylation with benzylamine derivatives
ORG-PO-14	C. Chiappe, M. Malvaldi, <u>C. S. Pomelli</u> Chemical reactivity in ionic liquids: a rationalization via computational models
ORG-PO-15	<u>O. Hassan Omar</u> , P. Rinaldi, A. Pedone, A. Operamolla, F. Babudri, G. Farinola, F. Naso Conjugated Oligomers Functionalized with Biomolecules for Sensing and labelling Application
ORG-PO-16	P. De Maria, <u>A. Di Crescenzo</u> , A. Fontana, J. A. Hubbell, D. Velluto Aqueous polymeric dispersions of carbon nanotubes: a potential tool for intracellular transport of drugs
ORG-PO-17	G. Viscardi, E. Barni, C. Barolo, R. Buscaino, M. K. Nazeeruddin, M. Grätzel, <u>E. Artuso</u> Optimized Synthesis and Purification of N719 a Landmark DSC Dye
ORG-PO-18	<u>A. Minassi</u> , L. Cicione, G. Appendino Multi-component reaction of cyclic dicarbonyls, aldehydes, and electron-rich (hetero)arenes
ORG-PO-19	<u>V. Mihali</u> , M. Penso, A. Tagliabue, F. Foschi, V. Lupi, D. Landini Regioselective synthesis of enantiopure 2,6-disubstituted morpholines under SL-PTC conditions
ORG-PO-20	<u>U. Cersosimo</u> , F. Benedetti, S. Drioli, C. Brancolini Synthesis and pro-apoptotic activity of cytotoxic analogues of 3,5-bis(4-nitro-benzylidene)-tetrahydrotiopyran-4-one-1,1-dioxide (G5)
ORG-PO-21	A. Bertoli, <u>F. Felluga</u> , G. Pitacco, Ennio Valentin Chemoenzymatic synthesis of optically active α -methylene- γ -lactones and γ -lactams
ORG-PO-22	<u>C. D. Venneri</u> , F. Felluga, G. Pitacco, E. Valentin A facile chemo-enzymatic asymmetric synthesis of β,β' -dialkylated γ -aminobutyric acids
ORG-PO-23	<u>F. Foschi</u> , M. Penso, A. Tagliabue, V. Lupi, D. Landini Stereoselective synthesis of α -quaternary α -aryl- α -amino acid derivatives
ORG-PO-24	I. Degani, R. Fochi, <u>C. Magistris</u> , M. Migliaccio

	Preparation of <i>N,N</i> -Dimethyl- <i>N'</i> -Arylureas Using <i>S,S</i> -Dimethyl Dithiocarbonate as a Carbonylating Reagent
ORG-PO-25	I. Degani, R. Fochi, <u>C. Magistris</u> <i>O,S</i> -Dimethyl Dithiocarbonate as a Phosgene Substitute: Synthesis of <i>S</i> -Methyl Thiocarbamates
ORG-PO-26	M. Mba, M. Pontini, E. Nagy, C. Zonta, <u>G. Licini</u> Self-assembling heterochiral Ti(IV) dinuclear η -oxo complexes as platforms for new catalysts and functional materials
ORG-PO-27	L. Di Bari, <u>S. Di Pietro</u> , G. Pescitelli, J. M. Saà, F. Tur Ln BINOLAM ₃ : propeller-shaped lanthanide complexes
ORG-PO-28	G. Falini, A. Gualandi, <u>D. Savoia</u> Rhodium/Graphite-Catalyzed Hydrogenation of Carbocyclic and Heterocyclic Aromatic Compounds
ORG-PO-29	A. Cozza, M. Nardi, M. Oliverio, R. Paonessa, G. Sindona, <u>A. Procopio</u> Er(OTf) ₃ -promoted condensation reactions for 1,5-benzo diaze-, oxaze- and thiazepines
ORG-PO-30	<u>M. Dal Molin</u> , L. J. Prins, P. M. Scrimin Catalyst discovery using dynamic covalent capture
ORG-PO-31	A. Gambacorta, <u>T. Gasperi</u> , M. A. Loreto, A. Migliorini, D. Tofani, C. Ventura Nucleophilic Epoxidation through Organocatalysis: a novel approach towards spiroepoxy phosphonates
ORG-PO-32	<u>M. Barbero</u> , S. Bazzi, S. Cadamuro, S. Dughera, C. Prandi, P. Venturello <i>o</i> -Benzenedisulfonimide: novel and reusable catalyst for Brønsted acid-catalyzed organic reactions
ORG-PO-33	<u>L. Beverina</u> , M. Crippa, M. Sassi, A. Monguzzi, F. Meinardi, R. Tubino, G. A. Pagani Perfluorinated nitrosopyrazolone-based erbium chelates: efficient, non hygroscopic and solution processable 1550 nm emitting compounds
ORG-PO-34	<u>R. De Marco</u> , M. L. Di Gioia, A. Leggio, A. Liguori “One pot” <i>N</i> -Ethylation of Nosyl-protected α -amino acid methyl esters by using triethyloxonium tetrafluoroborate
ORG-PO-35	M. Gruttadauria, F. Giacalone, A. M. P. Salvo, R. Noto, <u>P. Agrigento</u> Simple and low loading catalysts for asymmetric aldol reaction under aqueous condition
ORG-PO-36	M. Gruttadauria, F. Giacalone, P. Agrigento, R. Noto, <u>A. M. P. Salvo</u> Novel supported dipeptides as recyclable catalysts for asymmetric aldol reaction
ORG-PO-37	F. Ghelfi, <u>V. Giangiordano</u> , M. Pattarozzi, U. M. Pagnoni, F. Roncaglia

	“Ligand-Free-Like” Copper Catalyze ATRC
ORG-PO-38	<u>M. Pineschi</u> , S. Crotti, F. Bertolini, F. Macchia Sequential Stereoselective Nickel-Catalyzed Borylation-Allylation of Vinyl Epoxides and Aziridines
ORG-PO-39	<u>M. Dammacco</u> , L. Degennaro, S. Florio, R. Luisi, B. Musio Stereo- and enantioselective synthesis of isochromanes based on lateral lithiation of ortho-tolylaziridines
ORG-PO-40	U. Costantino, F. Fringuelli, <u>M. Orrù</u> , M. Nocchetti, O. Piermatti, F. Pizzo A New α -Zirconium Hydrogen Phosphates with high surface area as heterogeneous catalysts for Direct Aza-Diels-Alder reaction
ORG-PO-41	P. Scafato, <u>F. Caprioli</u> , C. Rosini Asymmetric conjugate addition of arylboronic acids to enones mediated by rhodium/phosphoramidite complex
ORG-PO-42	S. Fioravanti, <u>L. Pellacani</u> , P. A. Tardella, M. C. Vergari Selective amination reactions of α -substituted nitro alkenes
ORG-PO-43	<u>C. Cardellicchio</u> , F. Naso, F. Iannone, M. A. M. Capozzi Synthesis of unnatural aminoacids by the Betti reaction
ORG-PO-44	V. Neri, C. Crestini, E. Di Mauro, G. Costanzo, <u>R. Saladino</u> Role of the Formamide/Zirconia system in the prebiotic synthesis of the genetic and metabolic apparatuses
ORG-PO-45	<u>C. G. Scarponi</u> , L. Bagnoli, L. Testaferri, M. Tiecco Enantioenriched cyclopropane derivatives from vinyl selenones and di-(-)-bornyl malonate
ORG-PO-46	P. Bovicelli, E. Mandic', G. Righi, <u>I. Tirotta</u> Stereochemical control in the dihydroxylation of vinyl aziridines
ORG-PO-47	U. Azzena, L. Pisano, <u>S. Mocci</u> α -Lithiation of methoxymethyl arylmethyl ethers: scope and limitations
ORG-PO-48	<u>M. Pattarozzi</u> , F. Ghelfi, F. Roncaglia, U. M. Pagnoni, A. F. Parsons Novel Cu(I) catalyzed 5- <i>endo-trig</i> radical cyclization of ketene- <i>N,S</i> -acetals toward the synthesis of the disubstituted maleic anhydride nucleus
ORG-PO-49	<u>V. Piccialli</u> , G. Oliviero, N. Borbone Discovery of a new PCC-mediated stereoselective oxidative spiroketalization process. An access to a new type of poly-THF spiroketal compounds displaying anticancer activity
ORG-PO-50	M. R. Cramarossa, <u>L. Forti</u> , C. Ponzoni, U. M. Pagnoni, S. Riva Chemo-Enzymatic Synthesis of a New Resveratrol Dimer Containing the Benzo[b]furan Framework
ORG-PO-51	G. Cevasco, <u>A. Piatek</u> , C. Scapolla, S. Thea New fluorescent reagents with benzofurazan skeleton for the determination of carboxylic acids in biological fluids
ORG-PO-52	<u>A. Sinicropi</u> , M. L. Parisi, A. Melloni, R. Rossi Paccani, D. Donati, V. Zanirato, S. Fusi, L. Latterini, R. Basosi, M. Olivucci

	Computer modeling, synthesis and spectroscopical characterization of a zwitterionic bio-mimetic and photochemical switch
ORG-PO-53	<u>M. Vetere</u> , B. Gabriele, R. Mancuso, P. Plastina, G. Salerno, L. Veltri New Synthesis of Pyrrole Derivatives by Sequential Heterocyclodehydration-Hydration from 2-Amino-1,1-dialkynyl-1-ols
ORG-PO-54	<u>M. De Rosa</u> , A. Soriente MW-assisted nitro-Michael addition of pyrroles and indoles in water: a green Friedel-Crafts alkylation
ORG-PO-55	<u>P. Vitale</u> , L. Di Nunno, A. Scilimati 3-Substituted-5-phenylthio-2-isoxazolines: synthesis and reactions with bases
ORG-PO-56	C. Rosini, S. Superchi, A. D'Elia, <u>L. Pisani</u> General stereoselective approach to lactonic flavors and fragrances
ORG-PO-57	R. Ruzziconi, <u>S. Spizzichino</u> , I. Tomasi Reaction of 2-hydroxy-1,3-dicarbonyl compounds with DAST: a mechanistic study
ORG-PO-58	C. Baldassarri, <u>E. Ballerini</u> , L. Minuti, O. Piermatti High pressure Diels-Alder reaction of benzylidene acetone derivatives. A new route to Δ^8 -tetrahydrocannabinol (Δ^8 -THC)
ORG-PO-59	M. Amati, S. Belviso, M. D'Auria, F. Lejl, <u>R. Racioppi</u> , L. Viggiani Photochemical reactivity of Ethyl 5-iodothiazole-2-carboxylate to give ethyl 3-arylisothiazole-4-carboxylate derivatives
ORG-PO-60	M. D'Auria, <u>R. Racioppi</u> , L. Viggiani, P. Zanirato Photochemical reactivity of 2-azido-1,3-thiazole and 2-azido-1,3-benzothiazole: a procedure for aziridination of enol ethers
ORG-PO-61	R. Alfini, <u>A. Brandi</u> , D. Giomi New synthetic applications of pyridyl carbinols
ORG-PO-62	M. Lumini, C. Vurchio, F. M. Cordero, <u>A. Brandi</u> Synthesis of β -homoproline amino acids and tripeptides with potential anti HCV activity
ORG-PO-63	P. Bonanno, C. Vurchio, F. M. Cordero, <u>A. Brandi</u> Synthesis of 7-aminolentiginosine and its derivatives
ORG-PO-64	P. Bovicelli, V. Isoni, <u>R. Pelagalli</u> , G. Righi Synthesis of conformationally constrained chicoric acid analogues
ORG-PO-65	P. Bovicelli, V. Isoni, M. Marini, <u>R. Pelagalli</u> , G. Righi β -Hydroxy carbonyl moiety: a novel pharmacophore of potential HIV-1 Integrase inhibitors
ORG-PO-66	R. Bernini, G. Gualandi, C. Crestini, C. Belfiore, S. M. Willfor, R. Saladino, <u>M. Barontini</u> Advances in the oxidation of lignan derivatives by homogeneous and heterogeneous rhenium catalysts
ORG-PO-67	R. Bernini, P. Mosesso, G. Pepe, S. M. Willför, R. E. Sjöholm, P. C. Eklund, R. Saladino, <u>M. Barontini</u>

	A selective de- <i>O</i> -methylation of guaiacyl lignans and neolignans to corresponding catechol derivatives by 2-iodoxybenzoic acid (IBX). Evaluation of the catechol moiety on their toxicity
ORG-PO-68	P. Buzzini, E. Caselli, M. R. Cramarossa, <u>L. Forti</u> , M. Goretti, E. Marchegiani, C. Ponzoni, B. Turchetti Bioreduction of electron-poor alkenes by yeast whole-cells rich in enoate reductase
ORG-PO-69	C. Crestini, R. Perazzini, M. Guazzaroni, <u>R. Saladino</u> Immobilization of Horseradish Peroxidase and Laccase by the Layer-by-Layer Method
ORG-PO-70	N. Borbone, S. De Marino, <u>C. Festa</u> , M. Iorizzi, F. Zollo L-Cysteine benzyl ester hydrochloride: a new chiral reagent in the sugar analysis
ORG-PO-71	A. Caligiani, <u>M. Cirlini</u> , G. Palla, A. De Ascentiis, P. Tortini Spectroscopic characteristics and oxidation properties of partially ozonized sunflower oils
ORG-PO-72	M. Begala, M. Corda, <u>G. Delogu</u> , B. Era, M. B. Fadda, A. Fais, G. Ferino, C. Picciau, G. Tocco Synthesis and tyrosinase inhibitory activity of biscoumarin-resveratrol ibrids
ORG-PO-73	G. Delogu, <u>C. Picciau</u> , M. J. Matos, G. Podda, E. Quezada, L. Santana Synthesis of 2-phenylbenzofurans. Structures with rigid <i>trans</i> -resveratrol's core
ORG-PO-74	G. Righi, <u>I. Proietti Silvestri</u> , N. D'Antona, D. Lambusta, P. Bovicelli Synthesis of polyoxygenated flavones
ORG-PO-75	<u>P. Vitale</u> , M. G. Perrone, A. Scilimati, L. Di Nunno, R. Tangorra, M. A. A. Capozzi, C. Cardellicchio, F. Naso Bioethanol from biomass model fermentation by <i>Kluyveromyces marxianus</i> CBS 6556
ORG-PO-76	T. Tedeschi, A. Tonelli, R. Corradini, R. Marchelli, <u>S. Sforza</u> Synthesis of Pyrenyl-PNA derivatives and spectroscopic study of their hybridization properties towards DNA and RNA
ORG-PO-77	<u>G. Menchi</u> , N. Cini, A. Trabocchi, L. Trollini, F. Conforto, A. Guarna Design, synthesis and biological evaluation of non peptide integrin antagonists by Click Chemistry
ORG-PO-78	M. A. Loreto, A. Migliorini, <u>F. Palmarelli</u> , P. A. Tardella Synthesis of novel isoxazole derivatives as potential HRV capsid binding
ORG-PO-79	<u>C. Giannini</u> , E. Licandro, S. Maiorana, S. Dall'Angelo, C. Giancola, B. Pagano Synthesis and biophysical characterization of nitrogen enriched PNA oligomers

ORG-PO-80	R. Chillemi, V. Greco, S. Sciuto Synthesis and bio-pharmacological activity of <i>antisense</i> phosphatidyl-oligonucleotides
ORG-PO-81	T. Gasperi, M. A. Loreto, <u>G. Norcia</u> , P. A. Tardella, G. Furlotti Regioselective Synthesis of <i>N</i> -2 Substituted Indazoles as Precursors of New Pharmacophores
ORG-PO-82	<u>L. Capelli</u> , P. Manini, A. Pezzella, A. Napolitano, M. d'Ischia A unified procedure for the synthesis of 5,6-dihydroxyindole dimers
ORG-PO-83	A. Aiello, E. Fattorusso, <u>C. Imperatore</u> , P. Luciano, M. Menna, R. Vitalone, C. Irace, R. Santamaria Polysubstituted alkyl sulfates with antiproliferative activity from different species of Mediterranean ascidians
ORG-PO-84	<u>A. Accetta</u> , A. Manicardi, T. Tedeschi, S. Sforza, R. Corradini, R. Marchelli Molecular Engineering of Uracil-based Modified Nucleobases
ORG-PO-85	M. C. Monti, <u>M. G. Chini</u> , L. Margarucci, A. Tosco, R. Riccio, G. Bifulco, A. Casapullo The Molecular Mechanism of Human Group IIA Phospholipase A ₂ Inactivation by Bolinaquinone
ORG-PO-86	G. Bifulco, I. Bruno, R. Riccio, <u>S. Terracciano</u> Chemistry and biology of potential histone deacetylase inhibitors as novel cancer therapeutic agents.
ORG-PO-87	<u>R. De Simone</u> , M. G. Chini, I. Bruno, G. Bifulco, S. Marzocco, G. Autore, R. Riccio Towards the discovery of new <i>m</i> PGES-1 inhibitors as promising drug candidates in inflammatory diseases
ORG-PO-88	<u>A. Aiello</u> , E. Fattorusso, P. Luciano, M. Menna, R. Vitalone Structures and stereochemistry of three novel unique Polyaxibetaines from the marine source
ORG-PO-89	<u>A. M. Serrilli</u> , A. Maggi, V. Casagrande, F. Piccioni, A. Bianco Biogenesis of oleuropein: stereoselective synthesis of deuterium labelled precursors
ORG-PO-90	G. Bifulco Drug-Macromolecule interaction study by a combined approach of NMR spectroscopy and computational chemistry techniques
ORG-PO-91	<u>A. Ballistreri</u> , G. Impallomeni, G. M. Carnemolla, S. P. P. Guglielmino, M. Nicolò, M. G. Cambria Microbial synthesis and structural characterization of biodegradable polyesters from fatty acids with odd number of carbon atoms
ORG-PO-92	M. Fabris, V. Lucchini, <u>M. Noè</u> , A. Perosa, M. Selva Functional Ionic Liquids Made with Dimethylcarbonate: Bicarbonate Turned into a Strong Enough Base to Catalyse Michael Reactions
ORG-PO-93	<u>L. Bagnoli</u> , C. Scarponi, L. Testaferri, M. Tiecco Use of alkyl and vinyl selenones in asymmetric synthesis

**Divisione di
Chimica dei Sistemi
Biologici**

Martedì 7	
	Sala Nettuno 4
	Chimica dei Sistemi Biologici
	<i>Chair: Roberto Fattorusso, Giorgio Colombo</i>
14:40 – 14:55 CSB-OR-1	<u>L. Teodori</u> , Z. Darzynkiewicz, D. Halicka, D. Coletti, P. Aulino, M. C. Albertini, M. Rocchi, L. Campanella Static magnetic fields modulate chemical/physical induced DNA damage and apoptosis in glioblastoma primary cells
	Sala Nettuno 5+6
	Sessione congiunta con la Divisione di Chimica Inorganica
	<i>Chair: Roberto Fattorusso, Maurizio Peruzzini</i>
15:00 – 15:50 CSB-KN-1	E. Rizzarelli The inorganic side of Alzheimer's disease
	Sala Nettuno 4
	<i>Chair: Roberto Fattorusso, Gianluca Fossati</i>
16:00 – 16:15 CSB-OR-2	M. Bianchi, C. Dionigi, B. Chelli, F. Valle, P. D'Angelo, E. Bystrenova, F. Biscarini Patterning of neural cells on biomolecules, biocompatible inorganic and organic materials by means of softlithographic techniques.
16:20 – 17:05	Premiazione vincitore Premio De Santis 2009 A. Merlino Structure-cytotoxic activity relationships of monomeric and dimeric ribonucleases
17:10 – 18:00	Assemblea della Divisione
Mercoledì 8	
	Sala Nettuno 4
	Struttura e Dinamica di Biomolecole (Sessione congiunta con il Gruppo Interdivisionale di Risonanze Magnetiche ed il Gruppo Interdivisionale di Chimica Strutturale)
	<i>Chair: Alberto Spisni, Carlo Mealli</i>
9:00 – 9:25 CSB-KN-2	B. Zambelli, F. Musiani, M. Bellucci, <u>S. Ciurli</u> Nickel proteins as enzymes, biosensors, and trafficking shuttles: the urease story
9:30 – 9:55 CSB-KN-3	S. Mangani Multidisciplinary approaches for the structure determination of metallo-proteins
10:00 – 10:25 CSB-KN-4	S. Melino, R. Sabelli, D. O. Cicero, M. V. Orsale, M. Gallo, R. Melis, <u>M. Paci</u> New investigations on the sulfurtransferase enzyme rhodanese by NMR and its interactions. The role of garlic OSCs
10:30 – 10:55 CSB-KN-5	<u>A. Amadei</u> , M. Aschi, A. Di Nola What can we learn on enzyme catalysis by means of a theoretical-computational advanced model?

11:00 – 11:20	Pausa
	<i>Chair: Carla Isernia, Mauro Andrea Cremonini</i>
11:20 – 11:35 CSB-OR-3	<u>A. Fiorillo</u> , A. Ilari, S. Angelaccio, R. Chiaraluce, V. Consalvi The crystal structure of the endo- β -1,3-glucanase from <i>Pyrococcus furiosus</i> reveals the structural basis of substrate recognition
11:40 – 11:55 CSB-OR-4	<u>L. Russo Krauss</u> , A. Merlino, C. Giancola, A. Randazzo, L. Mazzarella, F. Sica The structure of α -Thrombin in complex with a modified Thrombin Binding Aptamer
12:00 – 12:15 CSB-OR-5	<u>G. Scarabelli</u> , G. Morra, G. Colombo Ab initio epitope prediction based on the dynamics and energetics of protein antigens
12:20 – 12:35 CSB-OR-6	<u>M. Mori</u> , F. Kateb, M. Piccioli, D. Abergel, G. Bodenhausen CSM/CSM Cross Correlation Rates observed via ^{13}C direct detection
12:40 – 12:55 CSB-OR-7	<u>V. Calò</u> , F. Arnesano, M. Losacco, S. Scintilla, G. Natile Copper-triggered oligomerization of proteins: ubiquitin and α -synuclein
	Sessione Poster
13:00 – 14:30	Poster CSB-PO-1 / 19
Giovedì 9	
	Sala Nettuno 2+3
	Metodologie biomolecolari avanzate (Sessione congiunta con la Divisione di Chimica Analitica, la Divisione di Spettrometria di Massa ed il Gruppo Interdivisionale di Chimica del Proteoma)
	<i>Chair: Maria Careri, Salvatore Foti</i>
9:00 – 9:10	Apertura della Sessione
9:10 – 9:50 DSM-IL-1 / GICP	J. Szpunar Emerging mass spectrometry methods in metalloproteomics and metallomics
9:50 – 10:10 DSM-OR-11 / GICP	M. Terenghi, <u>L. Elviri</u> , M. Careri, A. Mangia, R. Lobinski Size exclusion chromatography-inductively coupled plasma for the multiplex immunoassay detection of tumor antigen biomarkers
10:10 – 10:30 DSM-OR-12 / GICP	<u>S. Rinalducci</u> , P. Roepstorff, L. Zolla <i>De novo</i> sequence analysis and intact mass measurements for characterization of phycocyanin subunit isoforms from the blue-green alga <i>Aphanizomenon flos-aquae</i>
10:30 – 10:50 CSB-OR-8	<u>G. Di Rocco</u> , S. Monari, F. De Rienzo, M. Borsari, G. Battistuzzi, M. Sola A new cytochrome for biosensing applications: the diheme cytochrome c_4 from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125 and its M64A and

	M164A variants
10:50 – 11:10	Pausa
	<i>Chair: Mauro Fasano</i>
11:10 – 11:30	M. Biglietto Development of MALDI TOFTOF technology for proteomic studies
11:30 – 11:50 DSM-OR-15 / GICP	D. Aiello, C. Athanassopoulos, P. Moschidis, A. Napoli, G. Sindona Chemical Probes to Quantitative Proteomics
11:50 – 12:10 DSM-OR-16 / GICP	E. Cairone, V. Cunsolo, V. Muccilli, R. Saletti, S. Foti, D. Fontanini, A. Criscione, D. Marletta Sequence determination of α_s -caseins from donkey's milk by mass spectrometry
12:10 – 12:30 CSB-OR-9	F. Biscarini, A. N. Lazar, P. Greco, P. Stoliar, E. Bystrenova, F. Lugli, F. Toschi, F. Zerbetto The size of the smallest stable aggregates of 1-40 β -amyloid protein in confined environment
	Sessione Poster
13:00 – 14:30	Poster CSB-PO-20 / 39
Venerdì 10	
	Sala Ulisse
	Chimica biorganica: dalla progettazione all'interazione molecolare (Sessione congiunta con la Divisione di Chimica Organica)
	<i>Chair: Francesco Gasparrini, Roberto Purrello</i>
9:00 – 9:40 ORG-KN-8	Medaglia Quilico G. Appendino Adventurous TRPs: Picking drugs leads and interesting chemistry in the garden of spices
9:40 – 10:00 CSB-OR-10	A. Messere RNA Interference by RNA-3' or 5'-PNA Chimeras
10:00 – 10:20 ORG-OR-21 / DCSB	I. Izzo, G. Acosta, J. Tulla-Puche, F. Albericio Solid-phase synthesis of Kahalalide F analogues
10:20 – 10:40 CSB-OR-11	B. Ziaco, D. Diana, C. Pedone, R. Fattorusso, L. D. D'Andrea Peptides modulators of VEGF-dependent angiogenesis
10:40 – 11:00 ORG-OR-22 / DCSB	B. Punzo, A. Berstetskiy, A. Andolfi, A. Motta, A. Evidente The phytotoxins produced by <i>Altenaria sonchi</i> , a potential mycoherbicide for <i>Sonchus arvensis</i> biocontrol
11:00 – 11:20	Pausa
	<i>Chair: Rosa Lanzetta, Marco Franceschin</i>
11:20 – 11:40 ORG-OR-23 / DCSB	L. Luzzatto, C. Nativi, B. Richichi Synthesis of GPI anchor for PNH studies
11:40 – 12:00	G. Paradossi

CSB-OR-12	Novel polymer shelled microbubbles for diagnostic and therapeutic purposes
12:00 – 12:20 ORG-OR-24 / DCSB	<u>S. Sforza</u> , T. Tedeschi, A. Calabretta, R. Corradini, R. Marchelli Design and synthesis of a Peptide Nucleic Acid embedding a pseudopeptide nuclear localization sequence in the backbone: a new peptide mimic
12:20 – 13:00 CSB-KN-6	M. Botta The fight against AIDS. The “old” Reverse Transcriptase (RT) and the “new” DDX3

	Elenco dei Poster
CSB-PO-1	<u>C. Bucci</u> , B. Macchione, I. Muzzalupo, E. Perri, F. Stefanizzi, G. Sindona, A. Tagarelli Expression analysis of <i>LOX</i> gene from <i>Olea europaea</i> olive fruits
CSB-PO-2	<u>A. Calò</u> , P. Stoliar, E. Bystrenova, F. Valle, F. Biscarini Measurement of DNA morphological parameters at highly entangled regime on surfaces
CSB-PO-3	<u>M. A. Campitiello</u> , C. Iernia, A. Magrì, D. La Mendola, E. Rizzarelli Characterization of copper(II) complex species with Human Doppel Protein Fragments
CSB-PO-4	<u>M. Cantisani</u> , A. Falanga, M. Vitello, C. Pedone, M. Galdiero, S. Galdiero Characterisation of fusogenic domains in glycoprotein B from Herpes virus type I
CSB-PO-5	<u>V. Casagrande</u> , A. Alvino, A. Bianco, G. Ortaggi, M. Franceschin Study of binding affinity and selectivity of perylene and coronene derivatives towards duplex and quadruplex DNA by ESI-MS
CSB-PO-6	<u>T. Coppola</u> , M. Franceschin, V. Casagrande, N. Borbone, L. Mayol, A. Bianco, M. Varra Antiparallel tetramolecular G-quadruplex forming oligonucleotide by conjugation with 4,11-dibromoperylene derivative
CSB-PO-7	<u>S. Correale</u> , L. Pirone, A. Ruggiero, E. Pedone, R. Berisio Structural and functional studies of RpfB, a key protein for <i>M. tuberculosis</i> exit from latency
CSB-PO-8	C. Esposito, A. Ruggiero, L. Falcigno, L. Calvanese, L. Paolillo, C. Pedone, R. Berisio, E. Pedone, <u>G. D’Auria</u> CspA from <i>Mycobacterium tuberculosis</i>
CSB-PO-9	<u>L. De Rosa</u> , A. Romanelli, L. Regan, A. L. Cortajarena, G. Haran, L. D. D’Andrea Folding studies of semi-synthetic double-labeled consensus tetratricopeptide repeat proteins
CSB-PO-10	<u>A. Del Gatto</u> , M. De Simone, M. Saviano, C. Langlois, P. Di Lello, J. Baffreau, C. Mas, P. Legault, J. G. Omichinski, C. Pedone, L. Zaccaro

	Development of new molecules that interfere with p53 activity for the therapy of neurodegenerative diseases
CSB-PO-11	<u>S. D'Errico</u> , J. Amato, N. Borbone, G. Oliviero, G. Piccialli, L. Mayol A facile solid phase synthesis of ZMP and of 4- <i>N</i> -alkyl AICAR cyclic diphosphate derivatives
CSB-PO-12	<u>M. De Zotti</u> , F. Damato, F. Formaggio, M. Crisma, E. Schievano, S. Mammi, B. Kaptein, Q. B. Broxterman, P. J. Felock, D. J. Hazuda, S. B. Singh, J. Kirschbaum, H. Brückner, C. Toniolo Synthesis and Conformational Analysis of a Natural Peptide Inhibitor of HIV-1 Integrase
CSB-PO-13	<u>M. De Zotti</u> , B. Biondi, M. Gobbo, C. Peggion, F. Formaggio, C. Toniolo Role of the Strongly Helicogenic Aib Residues on the Properties of the Lipopeptabiol Trichogin GA IV
CSB-PO-14	<u>D. Diana</u> , R. Di Stasi, B. Ziaco, C. Pedone, L. D. D'Andrea, R. Fattorusso NMR analysis of the interaction between VEGF mimicking peptides and VEGFR-1 _{D2} receptor
CSB-PO-15	<u>A. D'Urso</u> , L. Lo Faro, R. Lauceri, R. Purrello Spectroscopic studies of Porphyrin ZnT ₄ -DNA complex
CSB-PO-16	<u>C. Esposito</u> , D. Marasco, A. Ruggiero, P. Carullo, P. Del Vecchio, E. Pedone, R. Berisio Heparin binding hemagglutinin adhesin binds actin through its C-terminal domain
CSB-PO-17	<u>A. Falanga</u> , L. Russo, L. Raiola, M. Cantisani, R. Fattorusso, M. Galdiero, S. Galdiero, C. Isernia Structural analysis of membranotropic domains of Herpes simplex virus type I glycoprotein H
CSB-PO-18	<u>B. Farina</u> , L. Russo, L. Pirone, E. Pedone, F. Viparelli, M. Ruvo, C. Pedone, R. Fattorusso Backbone dynamics of Phosphoprotein Enriched in Diabetes studied by ¹⁵ N NMR relaxation
CSB-PO-19	A. Moretto, P. Geotti-Bianchini, C. Peggion, J. Beyrath, A. Bianco, <u>F. Formaggio</u> Replacement of Ala by Aib improves structuration and biological stability in thymine-based nucleopeptides
CSB-PO-20	P. Geotti-Bianchini, O. Chaloin, A. Bianco, <u>F. Formaggio</u> Nucleic acid recognition by alanyl-nucleopeptides
CSB-PO-21	A. Moretto, V. Marcuzzo, G. Ballano, M. Crisma, <u>F. Formaggio</u> , C. Toniolo Deg/Gly peptides as potential molecular switches
CSB-PO-22	A. Moretto, I. Menegazzo, M. Crisma, <u>F. Formaggio</u> , S. Mammi, C. Toniolo A Peptido[2]Rotaxane Molecular Machine

CSB-PO-23	<u>M. Franceschin</u> , M. Varra, V. Casagrande, T. Coppola, S. Borioni, G. Oliviero, L. Mayol, G. Ortaggi, A. Bianco Perylene conjugated G-quadruplex forming oligonucleotides
CSB-PO-24	<u>M. Gaglione</u> , G. Milano, A. Chambery, A. Messere Solid phase synthesis of Cyclic Oligonucleotides and Analouges by Click Chemistry
CSB-PO-25	<u>L. Ginnari-Satriani</u> , V. Casagrande, A. Bianco, G. Ortaggi, M. Franceschin New hydrophilic three side-chained triazatruxene derivatives as strong and selective G-quadruplex ligands
CSB-PO-26	A. Boffi, A. Feis, C. Gellini, <u>A. Guccione</u> , P. R. Salvi Application of time-resolved photoacoustic spectroscopy to the study of bacterial hemoglobins
CSB-PO-27	M. Sturlese, M. Bellanda, I. Tessari, L. Tosatto, M. Bisaglia, L. Bubacco, <u>S. Mammi</u> Structural and functional modification induced on DJ-1 by Dopaminoquinones (DAQ)
CSB-PO-28	G. Mangiapia, C. Coppola, L. De Napoli, <u>D. Montesarchio</u> , G. D'Errico, <u>L. Paduano</u> Physico-chemical characterization of CyPLOS, synthetic ionophores based on novel amphiphilic disaccharide macrocycles
CSB-PO-29	<u>D. Musumeci</u> , G. Roviello, A. De Cristofaro, D. Capasso, S. Di Gaetano, E. Bucci, C. Pedone Nucleic acid binding and biological activity studies of alternate <i>dab-aeg</i> PNAs
CSB-PO-30	<u>M. Palmieri</u> , G. Malgieri, S. Esposito, C. Isernia, P. V. Pedone, R. Fattorusso NMR structural characterization of the mutants H42A and C27D of the protein ROS87 from <i>Agrobacterium tumefaciens</i>
CSB-PO-31	<u>T. A. Pertinhez</u> , S. Conti, E. Ferrari, W. Magliani, A. Spisni, L. Polonelli Reversible self-assembly: a key feature for a new class of auto-delivering therapeutic peptides
CSB-PO-32	<u>L. Pirone</u> , S. Correale, S. Di Gaetano, L. Di Marcotullio, A. Gulino, I. de Paola, L. Zaccaro, G. De Simone, L. Vitagliano, C. Pedone, E. Pedone KCTD11 regulates Hedgehog signaling by interaction with Cullin3 ubiquitin ligase
CSB-PO-33	<u>G. Roviello</u> , D. Musumeci, M. Castiglione, E. Bucci, C. Pedone Synthesis of a nucleopeptide based on L-serine backbone for biomedical applications
CSB-PO-34	<u>L. Russo</u> , G. Malgieri, I. Baglivo, F. Netti, P. V. Pedone, R. Fattorusso The classical zinc finger domains in prokaryota: are they structurally and functionally dependent on the zinc ion?

CSB-PO-35	A. Sandomenico, S. M. Monti, D. Marasco, M. Saviano, M. Ruvo Development of a novel selective peptide ligand for IgE
CSB-PO-36	A. Ranieri, M. J. Siwek, M. Borsari, <u>M. Sola</u> , G. Gilardi, S. J. Sadeghi, V. Ferrero, G. Di Nardo Metalloprotein-based sensing interfaces: the electrochemical behavior of cytochrome P450 BM3 immobilized on surface-modified gold electrodes
CSB-PO-37	<u>E. Truppo</u> , V. Alterio, A. Di Fiore, C. Pedone, G. De Simone, S. M. Monti Insights into the carbonic anhydrase family: biochemical characterization of the human isozyme VII
CSB-PO-38	M. Bellucci, <u>B. Zambelli</u> , F. Musiani, S. Ciurli The interaction between UreE and UreG from <i>H. pylori</i> : a functional role for Zn ²⁺ in the Ni ²⁺ -dependent urease system
CSB-PO-39	P. Ascenzi, A. di Masi, M. Coletta, C. Ciaccio, <u>G. Fanali</u> , F. P. Nicoletti, G. Smulevich, M. Fasano Ibuprofen modulates allosterically peroxynitrite isomerization by ferric human serum heme-albumin

Divisione di Spettrometria di massa

Martedì 7	
	Sala Stampa
14:30 – 15:00	Apertura dei lavori, saluti, premiazione
15:00 – 15:30 DSM-KN-1	D. Aiello, A. De Nino, L. Di Donna, E. Furia, L. Maiuolo, F. Mazzotti, A. Napoli, A. Russo, <u>G. Sindona</u> , A. Tagarelli Food safety and Quality by Mass Spectrometry
15:30 – 15:50 DSM-OR-2	<u>H. Benabdelkamel</u> , L. Di Donna, B. Gabriele, F. Mazzotti, P. Plastina, G. Sindona Quantitative assay of resveratrol in human plasma and wine by HPLC-ESI/MS/MS Mass Spectrometry and isotope dilution
15:50 – 16:10 DSM-OR-7	<u>E. Galano</u> , G. Leo, A. Amoresano Analytical integrated platform for wine characterisation
16:10 – 16:30 DSM-OR-14	G. Chiappetta, J. Vinh, A. Amoresano, <u>G. Marino</u> A new method to selectively evaluate protein thiols oxidation state
16:30 – 16:50	Pausa
16:50 – 17:20 DSM-KN-3	S. Reale, <u>F. De Angelis</u> Identification of volatile organic compounds in the atmospheric particulate by SPME/GC-MS: relationship between chemical composition, size, and emission source
17:20 – 17:40 DSM-OR-4	<u>G. Bianco</u> , S. Abate, D. Mattia, T. R. I. Cataldi Analysis of S-adenosylmethionine and related sulfur metabolites in bacterial isolates of <i>Pseudomonas aeruginosa</i> (BAA-47) by LC-ESI-LTQ-FTICRMS
17:40 – 18:00 DSM-OR-3	M. Zanotti Il nuovo sistema quadrupolo-tempo di volo Ultra High Definition (UHD) Agilent 6540: accuratezza di massa e alta risoluzione senza compromessi
Mercoledì 8	
	Sala Stampa
9:00 – 9:10	Apertura della Sessione
9:10 – 9:50 DSM-KN-2	<u>G. Aldini</u> , L. Regazzoni, M. Orioli, M. Carini Mass spectrometric approaches for detection of S-glutathionylated and S-cysteinylated proteins in blood as biomarkers of oxidative stress
9:50 – 10:10 DSM-OR-5	D. Bongiorno, L. Ceraulo, G. Giorgi, <u>S. Indelicato</u> , A. Ruggirello, V. Turco Liveri Supramolecular surfactant aggregates in gas-phase: monocharged sodium alkanesulfonate clusters
10:10 – 10:30 DSM-OR-6	G. Kibelka, O. Hadjar, S. Schill, S. Kassan, C. Cameron, T. Braun, A. Miliazza, G. Stani, <u>E. Sebastiani</u> Compact double focusing GC-MS based on the ion-camera tm mass spectrometer
10:30 – 10:50	<u>S. Bogialli</u> , A. Di Corcia

DSM-OR-1	Analysis of macrolide antibiotics in eggs validated according to European Commission Decision 2002/657/EC: a rapid extraction followed by liquid chromatography – tandem mass spectrometry
10:50 – 11:10	Pausa
11:10 – 11:40 DSM-KN-4	<u>S. Francese</u> , G. laMarca, G. Moneti, M. C. Djidja, R. Wolstenholme, R. Bradshaw, M. R. Clench MALDI Mass Spectrometry Imaging: the state of the art in Medicine, Pharmaceuticals and Forensic Science
11:40 – 12:00 DSM-OR-8	<u>C. D. Calvano</u> , G. Carone, I. D. van der Werf, F. Palmisano, L. Sabbatini MALDI-ToF MS investigation of lipid binding media in polychrome artefacts
12:00 – 12:20 DSM-OR-9	<u>E. Basso</u> , A. Asperger, M. Macht, D. Suckau UltrafleXtreme - a new MALDI-TOF/TOF instrument pushing the limits of MALDI-TOF applications
12:20 – 12:40 DSM-OR-10	<u>R. Terracciano</u> , F. Casadonte, L. Pasqua, S. Frascà, M. Preianò, R. Savino Functionalized Mesoporous Silica Beads for MALDI-TOF MS Profiling of Human Plasma and Urine
12:40 – 13:00	La divisione di spettrometria di massa:attualità e prospettive
	Sessione Poster
13:00 – 14:30	Poster DSM-PO-1 / 11
Giovedì 9	
	Sala Nettuno 2+3
	Sessione congiunta con la Divisione di Chimica Analitica, la Divisione di Chimica dei Sistemi Biologici ed il Gruppo Interdivisionale di Chimica del Proteoma
9:00 – 9:10	Apertura della Sessione
9:10 – 9:50 DSM-IL-1 / GICP	J. Szpunar Emerging mass spectrometry methods in metalloproteomics and metallomics
9:50 – 10:10 DSM-OR-11 / GICP	M. Terenghi, <u>L. Elviri</u> , M. Careri, A. Mangia, R. Lobinski Size exclusion chromatography-inductively coupled plasma for the multiplex immunoassay detection of tumor antigen biomarkers
10:10 – 10:30 DSM-OR-12 / GICP	<u>S. Rinalducci</u> , P. Roepstorff, L. Zolla <i>De novo</i> sequence analysis and intact mass measurements for characterization of phycocyanin subunit isoforms from the blue-green alga <i>Aphanizomenon flos-aquae</i>
10:30 – 10:50 DSM-OR-13 / GICP	<u>G. Di Rocco</u> , S. Monari, F. De Rienzo, M. Borsari, G. Battistuzzi, M. Sola A new cytochrome for biosensing applications: the diheme cytochrome <i>c</i> ₄ from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125 and its M64A and M164A variants

10:50 – 11:10	Pausa
11:10 – 11:30	M. Biglietto Development of MALDI TOF/TOF technology for proteomic studies
11:30 – 11:50 DSM-OR-15 / GICP	D. Aiello, C. Athanassopoulos, P. Moschidis, A. Napoli, G. Sindona Chemical Probes to Quantitative Proteomics
11:50 – 12:10 DSM-OR-16 / GICP	E. Cairone, V. Cunsolo, V. Muccilli, R. Saletti, S. Foti, D. Fontanini, A. Criscione, D. Marletta Sequence determination of α_s -caseins from donkey's milk by mass spectrometry
12:10 – 12:30 DSM-OR-17 / GICP	F. Biscarini, A. N. Lazar, P. Greco, P. Stoliar, E. Bystrenova, F. Lugli, F. Toschi, F. Zerbetto The size of the smallest stable aggregates of 1-40 β -amyloid protein in confined environment
	Sessione Poster
13:00 – 14:30	Poster DSM-PO-12 / 22

	Elenco dei Poster
DSM-PO-1	D. Aiello, A. Cappello, L. Di Donna, V. Dolce, D. Iacopetta, F. Mazzotti, A. Napoli, G. Sindona Cloning, expression and characterization of the catalytic subunit of human HMGR
DSM-PO-2	H. Benabdelkamel, L. Di Donna, F. Mazzotti, M. Nardi, G. Sindona Antioxidant profiling in virgin olive oil by tandem Mass Spectrometry
DSM-PO-3	C. Benincasa, B. Macchione, A. Parise, M. Pellegrino, E. Perri, P. Tucci Quantification and sensory evaluation of volatile compounds of defective virgin olive oils
DSM-PO-4	G. Guglielmetti, S. Chiaberge, T. Fiorani, P. Cesti Analysis of asphaltene and its thermal treated derivative with Electrospray Ionization (ESI) FT-ICR Mass spectrometry
DSM-PO-5	I. M. Di Gangi, L. Chiandetti, S. Di Gangi, V. Moret, G. Giordano ADMA and dimethylarginines analysis by Ultra Performance Liquid Chromatography-tandem mass spectrometry (UPLC-MS/MS): preliminary applications in normal pregnancy and preeclampsia
DSM-PO-6	M. Fagioni, D. Koycu, P. Magro, L. Zolla, S. Rinalducci, A. M. Timperio Early production of the phytoalexin resveratrol in grape upon infection with <i>Botrytis cinerea</i> in field conditions
DSM-PO-7	P. Antoniotti, L. Operti, R. Rabezzana, F. Turco, G. A. Vaglio, F. Grandinetti

	Gas phase ion chemistry of germanium tetrafluoride
DSM-PO-8	L. Di Donna, <u>N. Maljaj</u> , F. Mazzotti, E. Romano, G. Sindona, A. Tagarelli The selection of safe extraction methods of bioactive components from Bergamot fruit
DSM-PO-9	A. Ricci, A. Fiorentino, F. Pepi, B. D'Abrosca, P. Monaco, <u>S. Piccolella</u> Furofuran and Tetrahydrofuran Glycosylated Lignans: A Gas Phase Ion Chemistry Investigation by Tandem Mass Spectrometry
DSM-PO-10	<u>A. Russo</u> , S. Caputo, E. Perri, G. Sindona In <i>vitro</i> autoxidation of linoleic acid mediated by peptides as hydrogen donors at pH 9
DSM-PO-11	<u>S. Sforza</u> , F. Lambertini, A. Faccini, G. Galaverna, C. Dall'Asta, R. Marchelli, E. Giocaliere, G. Moneti, G. Pieraccini, A. Dossena PROSPARE: characterization of peptide hydrolyzates obtained from the recovery of poultry secondary resources by mass spectrometry techniques
DSM-PO-12 / GICP	<u>G. Alberti</u> , P. Chiari, G. Giannini, A. Zanini, E. Capelli Determination of ^{10}B uptake in human cells following boron delivery agents treatment
DSM-PO-13 / GICP	<u>L. Callipo</u> , G. Caruso, P. Giansanti, R. Gubbiotti, R. Samperi, A. Laganà Immunoprecipitation on magnetic beads and LC/MS/MS as a tool for carbonic anhydrase II quantification in human serum
DSM-PO-14 / GICP	A. Guerrieri, <u>R. Ciriello</u> , C. Iasillo Discrimination in the aggregation kinetic of polyelectrolyte stabilized gold nanoparticles induced by cysteine and homocysteine
DSM-PO-15 / GICP	A. L. Capriotti, G. Caruso, <u>E. Corradini</u> , R. Gubbiotti, R. Samperi, A. Laganà Differential proteomics for studying the effects of microgravity on cardiac tissue by nanoHPLC-Chip/MS
DSM-PO-16 / GICP	M. Careri, L. Elviri, E. Ferrari, A. Mangia, A. Spisni Characterization of Major Urinary Proteins from <i>Mus musculus</i> by LC-ESI-QTOF and nanoESI-LIT-Orbitrap MS
DSM-PO-17 / GICP	S. Giannarelli, B. Muscatello, P. Bogani, M. M. Spiriti, M. Buiatti, F. Rugi, <u>R. Fuoco</u> Evaluation of the metabolic response of normal and transgenic <i>N. langsdorffii</i> plants exposed to contaminated culture medium
DSM-PO-18 / GICP	<u>L. Mezzanotte</u> , R. Fazzina, E. Michelini, R. Tonelli, A. Pession, B. Branchini, A. Roda In vivo bioluminescence molecular imaging in mouse xenograft models using a red-shifted thermostable luciferase
DSM-PO-19 / GICP	M. Mirasoli, S. Casolari, B. Roda, L. Cevenini, P. Reschiglian, B. Branchini, <u>A. Roda</u> New miniaturized and compact gravitational field- flow

	fractionation devices suitable for POCT (Point-of-care-testing)
DSM-PO-20 / GICP	<u>M. Tomassetti</u> , S. Vecchio, L. Campanella Analytical, physico-chemical and kinetic application of thermal analysis to compounds of pharmaceutical interest
DSM-PO-21 / GICP	P. Nanni, M. Benevento, <u>S. Vecchiotti</u> , G. Roda, A. Caponi, A. Roda Development of a mass spectrometry-based method for the evaluation of serum exoprotease activity in Crohn's disease patients
DSM-PO-22 / GICP	S. Piermarini, <u>G. Volpe</u> , R. Federico, D. Moscone, G. Palleschi Development of a screen-printed biosensor for detection of biogenic amines in saliva