

**SCUOLA DI DOTTORATO IN SCIENZE E TECNOLOGIE CHIMICHE E  
FARMACEUTICHE**

**Università di Trieste**

**Cicli XXIV, XXV, XXVI**

**Pubblicazioni e Contributi a Congressi dei dottorandi nel 2011**

**(in grassetto i nomi dei dottorandi)**

**Ciclo XXIII (diplomati nel 2011)**  
**Pubblicazioni 2011 pertinenti al dottorato**

1. **C. Fabbro**, F. M. Toma, T. Da Ros ‘Biomedical Applications II: Influence of Carbon Nanotubes in Cancer Therapy’ Chapter 3 in “Carbon Nanotubes: From Bench Chemistry to Promising Biomedical Applications”, Giorgia Pastorin Ed., Pan Stanford Publishing Pte. Ltd. **2011**, pp. 47 – 86. ISBN: 9789814241687.
2. N. Rubio, **C. Fabbro**, M. A. Herrero, A. d. I. Hoz, M. Meneghetti, J. L. G. Fierro, M. Prato, E. Vázquez ‘Ball-Milling Modification of Single-Walled Carbon Nanotubes: Purification, Cutting, and Functionalization.’ *Small*, **2011**, 7, 665-674.
3. E. Venturelli, **C. Fabbro**, O. Chaloin, C. Ménard-Moyon, C. R. Smulski, T. D. Ros, K. Kostarelos, M. Prato, A. Bianco ‘Antibody Covalent Immobilisation to Carbon Nanotubes and Assessment of Antigen Binding.’ *Small*, **2011**, 7, 2179-2187.
4. C. Menard-Moyon, **C. Fabbro**, M. Prato, A. Bianco ‘One-Pot Triple Functionalization of Carbon Nanotubes.’ *Chem. Eur. J.*, **2011**, 17, 3222-3227.
5. A. M. Malfitano, S. Sosa, C. Laezza, **M. De Bortoli**, A. Tubaro, M. Bifulco ‘Rimonabant reduces keratinocyte viability by induction of apoptosis and exerts topical anti-inflammatory activity in mice.’ *British Journal of Pharmacology* **2011**, 162, 84-93.
6. F. Asaro, **N. Savko** ‘Resolution of a nonionic surfactant oligomeric mixture by means of DOSY with inverse micelle assistance.’ *Magn. Reson. Chem.* **2011**, 49, 195-198.
7. G. Honsell, M. De Bortoli, S. Boscolo, C. Dell'Aversano, C. Battocchi, **G. Fontanive**, A. Penna, F. Berti, S. Sosa, T. Yasumoto, P. Ciminiello, M. Poli, A. Tubaro ‘Harmful dinoflagellate *Ostreopsis cf. ovata* Fukuyo: detection of ovatoxins in field samples and cell immunolocalization using antipalytoxin antibodies.’ *Environmental Science & Technology* **2011**, 45, 7051- 7059.
8. F. Berti, S. Bincoletto, I. Donati, G. Fontanive, M. Fregonese, F. Benedetti ‘Albumin-directed stereoselective reduction of 1,3-diketones and  $\beta$ -hydroxyketones to anti diols.’ *Organic & Biomolecular Chemistry* **2011**, 9, 1987- 1999.

**Ciclo XXIV (III anno)**  
**Pubblicazioni 2011**

1. L. Simeone, D. Milano, L. De Napoli, C. Irace, A. Di Pascale, **M. Boccalon**, P. Tecilla, D. Montesarchio 'Design, Synthesis and Characterization of Novel Guanosine-based Amphiphiles' *Chem. Eur. J.* **2011**, *17*, 13854-13865. DOI: 10.1002/chem.201101827.
2. P. Alessi, A. Cortesi, I. Kikic, D. Solinas, **N. De Zordi**, M. Moneghini 'Infinite-Dilution Activity Coefficients of Volatile Organic Compounds in Cyclic Olefin Copolymers' *J. Chem. Eng. Data* **2011**, *56*, 1255-1260.
3. I. Kikic, **N. De Zordi**, M. Moneghini, D. Solinas 'Antisolvent Precipitation of Vitamin B6: A Thermodynamic Study' *J. Chem. Eng. Data*, **2011**, *56*, 4978-4983. DOI: 10.1021/je200853g
4. Baumgartner L, Sosa S, Atanasov AG, Bodensieck A, Fakhrudin N, Bauer J, **Del Favero G**, Ponti C, Heiss EH, Schwaiger S, Ladurner A, Widowitz U, Della Loggia R, Rollinger JM, Werz O, Bauer R, Dirsch VM, Tubaro A, Stuppner H. 'Lignan derivatives from *Krameria lappacea* Roots inhibit acute inflammation in vivo and pro-inflammatory mediators in vitro.' *J. Nat. Prod.* **2011**, *74*, 1779-1786.
5. Tubaro A, **Del Favero G**, **Beltramo D**, Ardizzone M, Forino M, De Bortoli M, **Pelin M**, Poli M, Bignami G, Ciminiello P, Sosa S. 'Acute oral toxicity in mice of a new palytoxin analog: 42-hydroxy-palytoxin.' *Toxicon*, **2011**, *57*, 755-763.
6. Tubaro A., Durando P., **Del Favero G.**, Ansaldi F., Icardi G., Deeds J. R., Sosa S. 'Case definitions for human poisonings postulated to palytoxins exposure.' *Toxicon*, **2011**, *57*, 478-495.
7. M. Quintana, **A. Montellano López**, **A. E. Del Rio Castillo**, G. Van Tendeloo, C. Bittencourt, M.Prato. 'Selective organic functionalization of graphene bulk or graphene edges.' *Chemical Communications* **2011**, *47*, 9330-9332.
8. V. Ferrario, C. Ebert, **L. Knapic**, **D. Fattor**, A. Basso, P. Spizzo, L. Gardossi 'Conformational Changes of Lipases in Aqueous Media: A Comparative Computational Study and Experimental Implications' *Adv. Synth. and Catal.*, **2011**, *353*, 13, 2466-2480, DOI: 10.1002/adsc.201100397
9. T. Montini, **V. Gombac**, L. Sordelli, J. J. Delgado, X. Chen, G. Adami, P. Fornasiero 'Nanostructured Cu/TiO<sub>2</sub> photocatalysts for H<sub>2</sub> production from ethanol and glycerol aqueous solutions.' *ChemCatChem* **2011**, *3*, 574-577, doi: 10.1002/cctc.201000289
10. M. Fittipaldi, **V. Gombac**, A. Gasparotto, C. Deiana, G. Adami, D. Barreca, T. Montini, G. Martra, D. Gatteschi, P. Fornasiero 'Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of Rutile TiO<sub>2</sub>.' *ChemPhysChem* **2011**, *12*, 2221-2224, doi:10.1002/cphc.201100254.
11. D. Barreca, G. Carraro, **V. Gombac**, A. Gasparotto, C. Maccato, P. Fornasiero, E. Tondello 'Supported metal oxide nanosystems for H<sub>2</sub> photo-generation: quo vadis?.' *Advanced Functional Materials* **2011**, *21*, 2611-2623, doi: 10.1002/adfm.201100242, selected for the frontispiece, featured on MaterialsViews.com.
12. M. Cargnello, A. Gasparotto, **V. Gombac**, T. Montini, D. Barreca, P. Fornasiero 'Photocatalytic H<sub>2</sub> and added-value byproducts: the role of metal oxide systems in their synthesis from liquid oxygenates.' *European Journal of Inorganic Chemistry* **2011**, 4309-4323, doi:10.1002/ejic.201100532, selected as cover article.
13. Q. Simon, D. Barreca, D. Bekermann, A. Gasparotto, C. Maccato, E. Comini, **V. Gombac**, P. Fornasiero, O. I. Lebedev, S. Turner, A. Devi, R. A. Fischer, G. Van Tendeloo 'Plasma-assisted synthesis of Ag/ZnO nanocomposites: first example of photo-induced H<sub>2</sub> production and sensing.' *International Journal of Hydrogen Energy* **2011**, *36*, 15527-15537, doi:10.1016/j.ijhydene.2011.09.045.
14. A. Gasparotto, D. Barreca, D. Bekermann, A. Devi, R.A. Fischer, P. Fornasiero, **V. Gombac**, O.I. Lebedev, C. Maccato, T. Montini, G. Van Tendeloo, E. Tondello 'F-Doped CO<sub>3</sub>O<sub>4</sub>

- Photocatalysts for Sustainable H<sub>2</sub> Generation from Water/Ethanol' *Journal of the American Chemical Society* **2011**, *133*, 19362–19365, doi: 10.1021/ja210078d.
15. Yoosaf, K.; Llanes-Pallas, A.; **Marangoni, T.**; Belbakra, A.; Marega, R.; Botek, E.; Champagne, B.; Bonifazi, D.; Armaroli, N. *Chem. Eur. J.* **2011**, *17*, 3262-3273.
  16. **Marangoni, T.**; Mezzasalma, S. A.; Llanes-Pallas A.; Yoosaf, K.; Bonifazi, D.; Armaroli, N. *Langmuir* **2011**, *27*, 11513-1523.
  17. **A. Montellano López**, T. Da Ros, A. Bianco, M. Prato 'Fullerene C<sub>60</sub> as a multifunctional tool system for drug and gene delivery' *Nanoscale* **2011**, *3*, 4035-4041.
  18. **A. Montellano López**, A. Mateo-Alonso, M. Prato 'Fullerenes for materials science.' in *Fullerenes*, 2<sup>nd</sup> edition, Eds. F. Langa de la Puente, J.F. Nierengarten, **2011**, pp. 389-413. DOI: 10.1039/9781849732956-00389.
  19. **A. Montellano López**, A. Mateo-Alonso, M. Prato, 'Materials Chemistry of fullerene C<sub>60</sub> derivatives.' *J. Mater. Chem.* 2011, **21**, 1305-1318.
  20. **Pelin M.**, Zanette C., De Bortoli M., Sosa S., Della Loggia R., Tubaro A., Florio C. 'Effects of the marine toxin palytoxin on human skin keratinocytes: role of ionic imbalance.' *Toxicology* **2011**, *282*, 30-38.
  21. Zanette C., **Pelin M.**, Crosera M., Adami G., Bovenzi M., Larese F.F., Florio C. 'Silver nanoparticles exert a long-lasting antiproliferative effect on human keratinocyte HaCaT cell line.' *Toxicol. In Vitro*, **2011**, *25*, 1053-1060.

**Ciclo XXV (II anno)**  
**Pubblicazioni 2011**

1. **Hasa D.**, Voinovich D., Perissutti B., Bonifacio A., Grassi M., Franceschinis E., Dall'Acqua S., Speh M., Plavec J., Invernizzi S. 'Multidisciplinary approach on characterizing a Mechanochemically activated composite of Vinpocetine and Crospovidone.' *Journal of Pharmaceutical Sciences* **2011**, *100*, 915-932.
2. **Hasa D.**, Voinovich D., Perissutti B., Grassi M., Bonifacio A., Sergio V., Cepek C., Chierotti M.R., Gobetto R., Dall'acqua S., Invernizzi S. 'Enhanced oral bioavailability of vinpocetine through mechanochemical salt formation: physico-chemical characterization and *in vivo* studies.' *Pharmaceutical Research* **2011**, *28*, 1870-1883.
3. **Hasa D.**, Perissutti B., Grassi M., Zacchigna M., Pagotto M., Lenaz D., Kleinebudde P., Voinovich D. 'Melt extruded helical waxy matrices as a new sustained drug delivery system.' *European Journal of Pharmaceutics and Biopharmaceutics* **2011**, *79*, 592-600.
4. Serdoz F., Voinovich D., Perissutti B., Grabnar I., **Hasa D.**, Ballestrazzi R. Coni E., Pellegrini E. 'Development and pharmacokinetic evaluation of erythromycin lipidic formulations for oral administration in rainbow trout (*Oncorhynchus mykiss*).' *European Journal of Pharmaceutics and Biopharmaceutics* **2011**, *78*, 401-407.
5. Iosio T., Voinovich D., Perissutti B., Serdoz F., **Hasa D.**, Grabnar I., Dall'acqua S., Zara G.P., Muntoni E., Pinto J.F. 'Oral bioavailability of silymarin phytocomplex formulated as self-emulsifying pellets.' *Phytomedicine* **2011**, *18*, 505-512.
6. Bottari, G.; **Meduri, A.**; Drommi, D.; Brancatelli, G.; Faraone, F. 'Synthesis, Coordination Properties and Application of New N,N-Ligands Based on Bornyl and Binaphthylazepine Chiral Backbones in Palladium-Catalyzed Allylic Substitution Reactions.' *Eur. J. Inorg. Chem.* **2011**, 2738–2745.
7. Fanfoni, L.; **Meduri, A.**; Zangrando, E.; Castillon, S.; Felluga, F.; Milani, B. 'New Chiral P-N Ligands for the Regio- and Stereoselective Pd-Catalyzed Dimerization of Styrene.' *Molecules* **2011**, *16*, 1804-1824.
8. **S. Pavan**, F. Berti 'Short peptides as biosensor transducers.' *Analytical & Bioanalytical Chemistry* **2011**, 1-16. DOI: 10.1007/s00216-011-5589-8

**Ciclo XXVI (I anno)**  
**Pubblicazioni 2011**

1. Tubaro A, **Del Favero G**, **Beltramo D**, Ardizzone M, Forino M, De Bortoli M, **Pelin M**, Poli M, Bignami G, Ciminiello P, Sosa S. 'Acute oral toxicity in mice of a new palytoxin analog: 42-hydroxy-palytoxin.' *Toxicon* 2011, 57, 755-763.
2. **V. León**, M. Quintana, M. A. Herrero, J. L. G. Fierro, A. de la Hoz, M. Prato, E. Vázquez 'Few-layer Graphenes from Ball-milling of Graphite with Melamine.' *Chem. Commun*, **2011**, 47, 10936-10938. DOI: 10.1039/C1CC14595A.
3. Murdan S., **Milcovich G.**, Goriparthi G. 'An assessment of the human nail plate pH.' *Skin Pharmacology and Physiology* **2011**, 24, 175-181.

**Ciclo XXIV (III anno)**  
**Contributi a Congressi 2011**

1. **A. Battigelli**, J. Russier, T. Da Ros, M. Prato, A. Bianco ‘Cation carbon nanotubes for nucleic acid delivery’  
4<sup>th</sup> International Conference on Carbon Nanomaterial Biology, Medicine and Toxicology, 15-16/07/2011, Cambridge, United Kingdom. **Comunicazione orale e poster (presenting author)**
2. **A. Battigelli** ‘Cation carbon nanotubes for nucleic acid delivery.’  
Nanocarbons 2011: Carbon Nanotubes and Related Materials: From Physico-Chemical Properties to Biological and Environmental Effects, 6-11/09/2011, Acquafredda di Maratea, Italy. **Comunicazione orale (presenting author)**.
3. **M. Boccalon**, E. Iengo, E. Alessio, P. Tecilla ‘Porphyrin-based artificial nanopores’  
X Congresso Nazionale di Chimica Supramolecolare, Perugia, 25-28 settembre 2011. **Comunicazione orale (presenting author)**.
4. I. Kikic, **N. De Zordi**, M. Moneghini, D. Solinas ‘Enhanced Dissolution Profiles of Furosemide Treated by Supercritical Antisolvent Technology with Crospovidone.’  
13th European Meeting on Supercritical Fluids. The Hague (The Netherlands), 9-12/10/2011. **Poster** (I. Kikic).
5. I. Kikic, **N. De Zordi**, M. Moneghini, D. Solinas ‘Different Approaches for the Modeling of the solubility of Pharmaceutical Compounds in Supercritical Carbon Dioxide.’  
13th European Meeting on Supercritical Fluids. The Hague (The Netherlands), 9-12/10/2011. **Poster** (I. Kikic).
6. Elisabetta De Angelis, **Diana Fattor**, Patrizia Spizzo, Luciano Navarini, Lucia Gardossi ‘Immobilized lipases catalyze the conversion of oils from coffee waste into biodiesel.’  
2nd International Iseki\_Food Conference, Milano, 31 Agosto – 2 Settembre 2011. (**Poster**, E. De Angelis)
7. **Diana Fattor**, Elisabetta De Angelis, Patrizia Spizzo, Luciano Navarini, Lucia Gardossi ‘Immobilized lipases catalyze the conversion of oils from coffee waste into biodiesel.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. **Poster, presenting author**.
8. Loris Sinigoì, Alessandra Basso, Paolo Caimi, **Diana Fattor**, Patrizia Spizzo, Lucia Gardossi ‘Immobilizing lipases for industrial applications: synthesis of biodiesel and polyesters.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. (**Poster**, L. Sinigoì)
9. Valerio Ferrario, **Marco Foscatò**, **Lorena Knapić**, Cynthia Ebert, **Diana Fattor**, Lucia Gardossi ‘Conformational changes of lipases: a comparative computational study and experimental implications.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. (**Poster**, L. Gardossi)
10. **Marco Foscatò**, Alexey Chernykh, Valerio Ferrario, Ludmila Golovleva, Loris Sinigoì, **Diana Fattor**, Cynthia Ebert, Lucia Gardossi ‘Understanding laccases stability and glycosilation effect by integrating computational and experimental procedures.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. **Poster, presenting author**.
11. Loris Sinigoì, **Diana Fattor**, Patrizia Spizzo, Alessandra Basso, Paolo Braiuca, Lucia Gardossi ‘How to transform a good enzyme in an efficient biocatalyst: formulation and application of biocatalysts for the bio-based chemistry.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. (**comunicazione orale**, L. Sinigoì).
12. **L. Knapić**, V. Ferrario, P. Braiuca ‘Automatic evolution of mutants by means of modeFRONTIER software.’  
Biotrans 2011, Giardini Naxos, Messina, 2-6 Ottobre 2011. **Poster, presenting author**.

13. A. Gasparotto, D. Barreca, D. Bekermann, A. Devi, R.A. Fischer, P. Fornasiero, **V. Gombac**, U. Lavrenčič Štanger, O.I. Lebedev, C. Maccato, T. Montini, E. Tondello, G. Van Tendeloo 'ZnO and CuO nanowires for sustainable technological applications.'  
Thematic days on nanowires and applications, Villeneuve d'Ascq, Francia, Gennaio 2011 (**comunicazione orale**, D. Barreca).
14. D. Barreca, D. Bekermann, E. Comimi, A. Devi, R.A. Fischer, P. Fornasiero, A. Gasparotto, M. Gavagnin, **V. Gombac**, C. Maccato, T. Montini, O.I. Lebedev, C. Sada, G. Sberveglieri, S. Turner, E. Tondello 'A novel PECVD process for Co<sub>3</sub>O<sub>4</sub> nanomaterials functionalized for energy and sensing applications.'  
ENHANCE-MC-ITN Winter School, Bochum, Germania, gennaio 2011 (**comunicazione orale**, D. Barreca).
15. D. Barreca, G. Carraro, P. Fornasiero, E. Comimi, A. Gasparotto, C. Maccato, C. Sada, **V. Gombac**, S. Turner, O.I. Lebedev, G. Sberveglieri, E. Tondello 'H<sub>2</sub> production and sensing from Cu<sub>x</sub>O-TiO<sub>2</sub> nanocomposites.'  
ENHANCE-MC-ITN Winter School, Bochum, Germania, gennaio 2011. (**comunicazione orale**, D. Barreca).
16. D. Barreca, D. Bekermann, E. Comimi, A. Devi, R.A. Fischer, P. Fornasiero, A. Gasparotto, M. Gavagnin, **V. Gombac**, C. Maccato, T. Montini, O.I. Lebedev, C. Sada, G. Sberveglieri, S. Turner, E. Tondello 'An innovative plasma-assisted route to Co<sub>3</sub>O<sub>4</sub> nanomaterials for energy and sensing applications.'  
European Materials Research Society Spring Meeting 2011, Nice, Francia, maggio 2011 (**comunicazione orale**, D. Barreca).
17. D. Barreca, G. Carraro, P. Fornasiero, E. Comimi, A. Gasparotto, C. Maccato, C. Sada, **V. Gombac**, S. Turner, O.I. Lebedev, G. Sberveglieri, E. Tondello 'H<sub>2</sub> production and sensing from Cu<sub>x</sub>O-TiO<sub>2</sub> nanocomposites.'  
European Materials Research Society Spring Meeting 2011, Nice, Francia, maggio 2011. (**comunicazione orale**, D. Barreca).
18. T. Montini, **V. Gombac**, G. Adami, M. Cargnello, B. Lorenzut, P. Fornasiero 'M/TiO<sub>2</sub>-B,N nanocomposites (M = Pd, Cu) as photocatalysts for production of valuable chemicals under solar irradiation.'  
Slovenian-Italian Conference on Materials and Technologies for Sustainable Growth, Ajdovscina, Slovenia, maggio 2011 (**comunicazione orale**, T. Montini).
19. M. Cargnello, N. Wieder, T. Montini, **V. Gombac**, B. Lorenzut, R.J. Gorte, P. Fornasiero 'Synthesis of dispersible core-shell metal@oxide materials and their applications in catalysts.'  
VIII Convegno Nazionale INSTM, Acicastello – Catania, Italia, giugno 2011 (**comunicazione orale**, P. Fornasiero).
20. V. Dal Santo, A. Gallo, A. Naldoni, M. Marelli, **V. Gombac**, T. Montini, P. Fornasiero, S. Santangelo, G. Faggio, R. Pievo, R. Psaro 'Development of Au-Pt/TiO<sub>2</sub> photocatalysts for H<sub>2</sub> production by renewables photoreforming.'  
5th IDECAT/ERIC J-CAT Conference on Catalysis, Bertinoro, Italia, settembre 2011 (**poster**, V. Dal Santo).
21. C. Fabbro, **A. Montellano López**, M. Carini, M. Prato, T. Da Ros 'Fulleropyrrolidines as drug vectors.'  
219 ECS meeting di Montreal, 1-6 maggio 2011. (**Presentazione orale**, T. Da Ros)
22. **Marco Pelin**, Silvio Sosa, Aurelia Tubaro, Chiara Florio 'Toxic effects of the marine toxin palytoxin on human skin keratinocytes.'  
International Conference on Ostreopsis development (ICOD), Villefranche-sur-mer (Francia), 4-8/04/2011. **Comunicazione orale (presenting author)**.
23. **Marco Pelin**, Alvaro Barreras Garcia, Silvio Sosa, Caterina Zanette, Chiara Florio, Aurelia Tubaro 'Mechanism of cell death induced by the marine toxin palytoxin on an in vitro cell model.'



- 47<sup>th</sup> Congress of European Societies of Toxicology (EUROTOX), Parigi, 28-31/08/2011.  
**Poster (presenting author).**
24. **Marco Pelin**, Silvio Sosa, Giuliana Decorti, Aurelia Tubaro, Chiara Florio ‘Palytoxin cytotoxicity restrains the use of caco-2 cells for in vitro absorption assay.’  
35° Congresso nazionale SIF, Bologna, 14-17/09/2011. **Poster (presenting author).**
25. **C. Spagnul** <sup>99m</sup>Techneium/Rhenium-porphyrin conjugates: combining molecular imaging with cytotoxicity.’  
14<sup>th</sup> Congress of the European Society for Photobiology, 1 – 6 September 2011, Geneve, Switzerland. **Comunicazione orale (presenting author).**
26. **C. Spagnul**, T. Gianferrara, A. Bergamo, I. Bratsos, B. Milani, G. Sava, E. Alessio ‘Ruthenium-porphyrin conjugates with cytotoxic and phototoxic antitumor activity.’  
14<sup>th</sup> Congress of the European Society for Photobiology, 1 – 6 September 2011, Geneve, Switzerland. **Poster (presenting author).**
27. **C. Spagnul** <sup>99m</sup>Techneium/Rhenium-porphyrin conjugates: combining molecular imaging with cytotoxicity.’  
COST D39 final whole action meeting, 5-7 July 2011, Dublin, Ireland. **Comunicazione orale (presenting author).**
28. **C. Spagnul** ‘Synthesis and evaluation of new ruthenium-porphyrin conjugates for biomedical application.’  
5° Meeting - Nuove Prospettive in Chimica Farmaceutica, 28-30 March 2011, Trieste, Italy.  
**Comunicazione orale (presenting author).**
29. **G. Del Favero**, M. Pelin, S. Sosa, S. Boscolo, R. Marzari, G. Honsell, C. Battocchi, A. Penna, C. Dell’Aversano, M. Poli, P. Ciminiello, C. Florio, P. Lorenzon, A. Tubaro ‘Effetti sanitari relativi alla presenza di *Ostreopsis* spp. in Mar Mediterraneo’  
Congresso Salute e Ambiente in Italia. Istituto Superiore di Sanità. Roma, Dicembre 2011.  
**Comunicazione orale (presenting author).**
30. **Del Favero G.**, Pérez-Gómez A., Cabrera-García D., Poli M., Tubaro A., Fernandez-Sanchez M. T. ‘The palytoxin analogue 42-OH-PLTX mimics the effects of palytoxin in primary neuronal cultures’.  
47<sup>th</sup> Congress of the European Society of Toxicology (EUROTOX 2011). Paris, August 2011  
**Poster (presenting author).**
31. G. Del Favero, M. De Bortoli, D. Beltramo, M. Ardizzone, P. Lorenzon, P. Ciminiello, M. Forino, M. Poli, S. Sosa, A. Tubaro ‘Palytoxin and 42-hydroxy-palytoxin: similar but not identical biological properties.’  
Marine and Freshwater Toxin Analysis: 2<sup>nd</sup> Joint Symposium and AOAC Task Force Meeting. Baiona, May 2011. **Comunicazione orale (presenting author).**

**Ciclo XXV (II anno)**  
**Comunicazioni a Congresso 2011**

1. **D. Buzzi, D. Fattor**, L. Sinigoi, V. Ferrario, F. Fiorindo, C. Ebert, L. Gardossi 'Modeling protein stability in non conventional media.'  
XV School of pure and applied biophysics, protein stability and pathways of self assembly, SIBPA, Venice (Italy) 24-28 gennaio 2011. **Poster (presenting author)**.
2. **V. Corvaglia**, D. Bonifazi 'Synthesis and characterization of thiolated PNA toward the production of engineered gold surfaces.'  
European-Winter School on Physical Organic Chemistry, Bressanone 30 Gennaio - 4 Febbraio 2011. **Poster (presenting author)**.
3. **P. de Ceglie**, S. Cozzutto, P. Plossi, S. Licen, P. Barbieri 'Biogenic Volatile Organic Compounds from trees in the province of Trieste.'  
XXIV Congresso Nazionale della Società Chimica Italiana, Lecce, 11-16/09/2011. (**Poster**, P. Barbieri).
4. **M. Garziera**, Geremia S., Caggiari L., Cannizzaro R., De Re V. 'Structural Conformational analysis of E-cadherin germline missense mutations in two sporadic gastric cancer patients.'  
V Meeting 'Nuove Prospettive in Chimica Farmaceutica' Trieste, 28 - 30 marzo 2011. **Comunicazione orale (presenting author)**.
5. **Hasa D.**, Voinovich D., Perissutti B., Grassi M., Bhardwaj S., Chierotti M.R., Gobetto R. 'Enhancing oral bioavailability of vinpocetine through mechanochemical citrate salt formation.'  
4<sup>th</sup> BBBB, Bled International Conference On Pharmaceutical Sciences, Bled, Slovenia 29/9 – 1/10 2011. (**Poster**, B. Perissutti).
6. Voinovich D., Perissutti B., **Hasa D.**, Maggi L., Conte U., Salini A., Grabnar I. 'A new chewing gum device suitable for children with enhanced bioavailability of herbal drug's active components.'  
3<sup>rd</sup> Annual Conference on the European Pediatric Formulation Initiative (EUPFI), Strasbourg, France 21-22/09 2011. (**Poster**, B. Perissutti).
7. **Meduri, A.**; Montini, T.; Zangrando, E.; Fornasiero, P.; Milani, B. 'Effect of nonsymmetric N-donor ligands in Pd-catalyzed alkene/acrylic ester copolymerization.'  
XXIV Congresso Nazionale della Società Chimica Italiana, Lecce, 11 – 16 September 2011. (**comunicazione orale**, B. Milani).
8. **Meduri, A.**; Cozzula, D.; Armani, G.; Zangrando, E.; Gladiali, S.; Milani, B. 'Unique *syndio*-selectivity in CO/styrene copolymerization reaction by palladium complexes with 2-(2'-oxazoliny)-1,10-phenanthrolines.'  
5<sup>th</sup> EUCHEM Conference on Nitrogen Ligands, Granada (Spain), 4 – 8 September 2011. (**Poster**, S. Gladiali).
9. **Meduri, A.**; Cozzula, D.; Armani, G.; Zangrando, E.; Gladiali, S.; Milani, B. 'Pd(II) complexes with tridentate nitrogen-donor ligands: synthesis, characterisation and catalytic behaviour in styrene carbonylation.'  
8<sup>th</sup> International School of Organometallic Chemistry (ISOC), Camerino, 27 – 31 August 2011. **Poster (presenting author)**.
10. Milani, B.; **Meduri, A.**; Zangrando, E.; Montini, T.; Fornasiero, P. 'Pd-catalyzed ethylene/methyl acrylate copolymerization: effect of nonsymmetric N-donor ligands.'  
XII<sup>th</sup> Netherlands Catalysis and Chemistry Conference, Noordwijkerhout, The Netherlands, February 28 - March 2, 2011. (**poster**, B. Milani).
11. **A. Micoli**, M. Quintana, L. Soriano, M. Prato 'Multipoint Molecular Recognition of Zinc(II) Complex of Acridine-Pendant Cyclen by Thymidine Functionalized Carbon Nanotubes at Physiological pH.'

European Winter School on Physical Organic Chemistry, Bressanone, 30/01 – 4/02, 2011.

**Poster (presenting author).**

12. C. Hadad, J. M. Jiménez-Soto, **A. Micoli**, C. Fabbro, S. Cárdenas, M. Valcárcel, M. Prato ‘CNTs length determination by Flow Field-Flow Fractionation (FIFFF).’  
Nanotp, COST (MP0901 annual scientific meeting), Designing novel materials for nanodevices: from theory to practise, Trieste, Italy, 9-11 november 2011. **Poster**
13. **Pavan S.**, Benedetti F., Berti F., Fontanive G., Hong-Enriquez R., Laio A., Luisi I., Sblattero D. ‘Short peptides for catalysis, selectivity control and binding.’  
XXXVI ‘A. Corbella’ Summer School on Organic Synthesis. Gargnano (BS), 13-17/06/2011. **Comunicazione orale (presenting author).**
14. **Antonio Turco**, Francesca Maria Toma, Alessandra Fabbro, Ambra Villari, Laura Ballerini, Maurizio Prato ‘Carbon Nanotube-based interfaces for neuronal prosthesis: from the synthesis of material to in vitro studies.’  
E-Wispoc European Winter School on physical organic chemistry 30/01/2011-4/02/2011. **Poster (presenting author).**
15. Fabbro A, Villari A, Laishram J, Scaini D, Toma FM, **Turco A**, Prato M, Ballerini L ‘Morphologic and functional impact of nanoscaled scaffolds of carbon nanotubes on spinal explants growth in vitro.’  
8th IBRO World Congress of Neuroscience (International Brain Research Organization), Florence, Italy, 2011. **Poster**
16. Fabbro A, Villari A, Laishram J, Scaini D, Toma FM, **Turco A**, Prato M, Ballerini L ‘Carbon nanotube scaffolds improve neurite growth and network activity in cultured spinal cord explants.’  
Annual Meeting of the Society for Neuroscience (Neuroscience 2011), Washington D.C., U.S.A. **Poster**
17. **M. Garziera** ‘CDH1 germline mutations in sporadic gastric cancer.’  
Young Investigators Event II, Centro di Riferimento Oncologico, Aviano (UD) 3-4 maggio 2011. **Comunicazione orale (presenting author).**
18. R. Cannizzaro, **M. Garziera**, M. De Zorzi, S. Geremia, V. Canzonieri, V. De Re. ‘Characterization of cadherin germ-line mutations in sporadic gastric cancer.’  
XIX Congresso Europeo United European Gastroenterology Week, Stoccolma 22-26 Ottobre 2011. (**Comunicazione orale**, R. Cannizzaro).

**Ciclo XXVI (I anno)**  
**Comunicazioni a Congresso 2011**

1. **P. Cavigli**, T. Gatti, E. Alessio, E. Iengo, T. Da Ros, M. T. Indelli, F. Scandola ‘Synthesis and characterization of novel Re(I)-Porphyrin dyad and triad for photoinduced electron-transfer processes.’  
X Congresso Nazionale di Chimica Supramolecolare, Perugia 25-28 settembre 2011. **Poster (presenting author)**.
2. F. Benedetti, F. Berti, L. Fanfoni, A. Ostric, **V. Laboragine** ‘A ring closing metathesis strategy towards mono- and dihydroxyethylene dipeptide isosters.’  
XXXVI “A. Corbella” Summer School on Organic Synthesis. Gargnano (BS), 13-17/06/2011. **Poster (presenting author)**.
4. **V. León**, M. Quintana, M. A. Herrero, J. L. G. Fierro, A. de la Hoz, M. Prato, E. Vazquez ‘Exfoliation of Graphene in Solvent Free Conditions by Ball-Milling.’  
*Imagenano*, Bilbao (Spain), 12<sup>th</sup>-15<sup>th</sup> May 2011. **Poster (presenting author)**.
5. **V. León**, M. Quintana, M. A. Herrero, J. L. G. Fierro, A. de la Hoz, M. Prato, E. Vazquez ‘Exfoliation of Graphene in Solvent Free Conditions by Ball-Milling.’  
12<sup>th</sup> International Conference on the Science and Application of Nanotubes, Cambridge (UK), 10-16 July 2011. **Poster (presenting author)**.
6. **V. León**, M. A. Herrero, M. Prato, E. Vázquez ‘Técnicas No Convencionales para la Modificación de Nanoformas de Carbono.’  
XXXIII Reunión Bienal de la RSEQ, Valencia (Spain), 25-28 July 2011. (**Poster**, M. Herrero).
7. **G. Milcovich**, F. Asaro ‘Insights into cationic vesicles thermal transition by NMR Spectroscopy.’  
UK Colloids 2011, London, July 4<sup>th</sup> - 6<sup>th</sup> 2011. **Poster (presenting author)**.
8. **G. Milcovich**, F. Asaro ‘Insights into cationic vesicles thermal transition by NMR Spectroscopy.’  
11<sup>th</sup> Sigma Aldrich Young Chemist Symposium, Pesaro, October 17<sup>th</sup> - 19<sup>th</sup> 2011. **Poster (presenting author)**.

**Periodi di ricerca all'estero (2011)**

**Battigelli Alessia** (XXIV): dal 1/02/2010 al 31/07/2011 presso Université de Strasbourg, Institut de Biologie Moléculaire et Cellulaire, UPR 9021, CNRS, Immunologie et Chimie Thérapeutiques, docente ospitante: Dr Alberto Bianco.

**Del Rio Castillo Antonio Esaù** (XXIV): dal 10/05/2011 al 10/11/2011 presso University of Cambridge, Electric Engineering Department, Center of Advanced Photonics and Electronics, docente ospitante: Prof. Andrea Ferrari.

**De Zordi Nicola** (XXIV): dal 28/06/2011 al 30/09/2011 presso TU Graz, docente ospitante: Prof. T. Gamse.

**Fattor Diana** (XXIV): dal 10/02/2011 al 10/05/2011 presso MetGen Oy, Finlandia.

**Marangoni Tomas** (XXIV): dal 1/05/2011 al 20/10/2011 presso Department of Chemistry, University of Warwick, United Kingdom, docente ospitante: Dr Giovanni Costantini.

**Montellano López Alejandro** (XXIV): dal 18/4/2011 al 18/8/2011 presso University of Erlangen-Nürnberg, Erlangen, Germany, docente ospitante: Prof. Dr. Andreas Hirsch.

**Spagnol Cinzia** (XXIV): Zürich, dal 01-11-2010 al 28-02-2011 e dal 01-02-2011 al 30-06-2011 presso Institute of Inorganic Chemistry, University of Zürich, Winterthurerstr. 190, CH-8057 Zürich, Switzerland, docente ospitante: Prof. Dr. Roger Alberto.

**Corvaglia Valentina** (XXV): Ottobre-Dicembre 2011 presso Université Notre-Dame de la Paix Namur (Belgio), docente ospitante: Prof. Johan Wouters.

**Hasa Dritan** (XXV): 03/05/2011 – 04/08/2011 presso School of Pharmacy, University College Cork (UCC), Cork, Ireland, docente ospitante: Prof. Caitriona O'Driscoll.