

CURRICULUM VITAE

Surname/First Name: De Zotti Marta
ORCID: [0000-0002-3302-6499](https://orcid.org/0000-0002-3302-6499)
Date of birth: January 8th, 1977
Place of birth: Padova
Married, two sons (Francesco, 2005, and Davide, 2008)
Address (office): via Marzolo 1 - 35131 Padova
E-mail: marta.dezotti@unipd.it
Education: Ph. D. in Chemistry, M.Chem. [Degree (Laurea) in Chemistry].

Education and training

- *March 2014-present*: Non-permanent Researcher at the Department of Chemistry, University of Padova. Principal investigator of a *Future in Research* National Project.
- *October 2013-February 2014*: post-doc research activity (CO.CO.CO. contract).
- *October 2011-2013*: Senior Post-doc at the Department of Chemistry, University of Padova. Title of the project: Peptaibiotics in membranes: trapping supramolecular assemblies through a molecular "spider". Supervisor: Prof. F. Formaggio.
- *April-September 2012*: Visiting Post-doc in the group headed by Prof. J. Clayden with a fellowship from the Royal Society of Chemistry through the "Accademia dei Lincei".
- *December 2007*: Short post-doc period at Prof. Kyung-soo Hahm laboratory, Chosun University, Kwangju (South Korea).
- *February 2007-October 2011*: Post-doc. Title of project: Synthesis in solution and conformational characterization of membrane active peptaibols. Supervisor: Prof. C. Toniolo
- *March 2007*: Ph. D. in Chemistry (University of Padova). Title of thesis: Peptaibid inhibitors of HIV-integrase (supervisor: Prof. C. Toniolo).
- *December 2006*: Stage at Prof. Hans Brückner laboratory, University of Giessen, Giessen (Germany).
- *November 2002*: Italian habilitation to the Chemist profession.
- *October 2002*: Degree in Chemistry (Laurea) at the University of Padova (supervisor: Prof. F. Formaggio). Title of thesis: Rigid peptide systems for dissociative electron transfer studies. Final mark: 109/110.
- *June – September 2000*: Research work in the group of Prof. T. Anthonsen (Trondheim) sponsored by the Biocatalysis group.
- *March – May 2000*: ERASMUS fellowship at the NTNU University of Trondheim (Norway) in the Biocatalysis group (Prof. T. Anthonsen: Study of enantioselective reductions of β -ketoesters catalyzed by enzymes obtained from bacterial cultures).

Personal skills and competences

Organic Chemistry: General organic synthesis (particularly, solution and solid phase synthesis of peptides containing coded and non-coded α -amino acids). Experience in orthogonal protection of amino acid side chains (amines, alcohols, carboxylic groups, thiols). Purification, chemical and physico-chemical characterizations of products. Enzyme-mediated organic reactions (i.e. enantioselective reductions catalyzed by enzymes).

Purification and analysis: Flash chromatography. Sep-pack. Analytical and preparative RP-HPLC. Chemical and physico-chemical characterizations of products. Infrared Spectroscopy (FT-IR). 1D

and 2D ^1H - and/or ^{13}C - Nuclear Magnetic Resonance (NMR). ESI-MS Spectrometry. UV Absorption and Fluorescence. Chiral and achiral gas chromatography. Cyclic voltammetry.

Conformational Studies: Studies of peptide conformation in solution, in membrane-mimicking environment and/or in presence of liposomes by Circular Dichroism, FT-IR, 2D-NMR and Molecular Dynamics Calculations. Growing of crystals for X-ray diffraction analysis.

Biochemistry: Proteolytic stability assays, preparation of bacterial cultures and extraction of enzymatic mixtures from fungi. Study of peptide interaction with model membranes (leakage experiments on small unilamellar vesicles of different lipid compositions), Minimal Inhibitory Concentration against Gram positive and gram negative bacteria.

Teaching: 2014-present: holder of a 64-hour (8 credits) Course on General, Inorganic, and Organic Chemistry for Bachelor's degree at the School of Agriculture and Veterinary Medicine. 2004-2013: Assistance in student laboratories and exercitations of Organic Chemistry. Training and assistance to a number of undergraduate and Ph.D. students.

Computer competence: Web developer. *Systems:* Windows, Macintosh, Linux. *Applications:* Office, Origin, ISIS Draw, ChemOffice, WebLab, Mestre-c, XEasy, Molmol, XPlor, Sparky, Corel, Adobe, etc. *Instruments:* GC Varian 3300 and 3400 with Software Varian Star; NMR Bruker with Xwinnmr or TopSpin; CD Jasco; HPLC (Agilent, Shimadzu, Pharmacia); Purification system Biotage, UV Shimadzu, etc.

Technical and organizing skills: Laboratory responsible. Assembly, maintenance and care of instrumentations and PCs. Project coordinator. Responsible of order of chemicals.

National/International Scientific Meetings Organization: co-Organizer of two National Congresses of the Division of Biological Systems of the Italian Chemical Society (Montagnana, PD, 8-9 November 2007 and San Vito di Cadore, BL, 9-11 September 2010). Webmaster and designer, secretariat, front desk, book of proceedings co-editor. Organizer of the stand of the Department of Chemistry, University of Padova, for the European Researchers' Night (2011-2013).

Project coordination: Principal investigator of a "Future in research" national research project (RBF13RQXM; founded by MIUR, call "FIRB 2013") 2013-2017. Principal investigator of a project (SM11528) awarded beamline time at Diamond Light Source Oxford, UK.

Awards: Winner of the Chemistry fellowship 2012 from the Royal Society of Chemistry through the "Accademia dei Lincei", supporting Italian researchers performing research studies in the UK for five months. Winner of a fellowship to attend the 28th European Peptide Symposium (5-10 September 2004, Prague, Czech Republic). Poster competition winner at the same. Selected to give an oral presentation at the "Murray Goodman" Young Investigator's Session at the 22nd Naples Workshop on Bioactive Peptides (Naples, 4-7 June 2010). Selected to give an oral presentation as Young Investigator at the 22nd American Peptide Symposium (San Diego U.S.A., 25-30 June 2011). co-Author of the publication selected for the cover image 2013 on *BBA-Biomembranes* [Bobone S., Gerelli Y., De Zotti M., et al., *BBA-Biomembranes*, **1828**, 1013 (2013)].

Please, refer to: Prof. C. Toniolo, Dipartimento di Scienze Chimiche, Università di Padova, via Marzolo 1, I-35131 Padova, Italy; Prof. H. Brückner, Institute of Nutritional Science, University of Giessen, Heinrich-Buff-Ring 26-32, D-35392 Giessen, Germany; Prof. J. Clayden, School of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK.

Scientific contributions: Co-author of more than 50 publications on ISI journals (four as corresponding author) and of more than 30 European/American Peptide Symposium Proceedings. 7 oral (2 invited) and about 40 poster communications presented at national and international meetings. Reviewer for ISI journals. H-index: 13.

Publications on ISI Journals

1. Moretto A., De Zotti M., Scipionato L., Formaggio F., Crisma M., Toniolo C., Antonello S., Maran F., Broxterman Q. B., **Serendipitous discovery of peptide dialkyl peroxides**, *Helv. Chim. Acta*, **85**, 3099-3112 (2002).
2. Sundby E., De Zotti M., Anthonsen T., **The enantioselectivity of reduction of ethyl 4-halo-3-oxobutanoate catalyzed by *Geotrichum Candidum* depends on the cofactor**, *J. Mol. Catal. B: Enzymatic*, **21**, 63-66 (2003).
3. Crisma M., Moretto A., De Zotti M., Formaggio F., Kaptein B., Broxterman Q. B., Toniolo C., **Turn stabilization in short peptides by C^α-methylated α-amino Acids**, *Biopolymers (Pept. Sci.)*, **80**, 279-293 (2005).
4. Crisma M., Andreetto E., De Zotti M., Moretto A., Peggion C., Formaggio F., Toniolo C., **Crystal-state of novel, Aib-based, turn and helical peptides**, *J. Pept. Sci.*, **13**, 190-205 (2007).
5. Bartucci R., Guzzi R., De Zotti M., Toniolo C., Sportelli L., Marsh D., **Backbone dynamics of alamethicin bound to lipid membranes: spin-echo electron paramagnetic resonance of TOAC-spin labels**, *Biophys. J.*, **94**, 2698-2705 (2008).
6. Wright K., Anddad R., Lohier J.-F., Steinmetz V., Wakselman M., Mazaleyra J.-P., Formaggio F., Peggion C., De Zotti M., Keiderling T.A., Huang R., Toniolo C., **Synthesis, ion complexation study, and 3D-structural analysis of peptides based on crown-carrier, C^α-methyl-L-DOPA amino acids**, *Eur. J. Org. Chem.*, 1224-1241 (2008).
7. Wright K., Lohier J.-F., Wakselman M., Mazaleyra J.-P., Formaggio F., Peggion C., De Zotti M., Toniolo C., **Synthesis of enantiopure, axially chiral, C^α-tetrasubstituted α-amino acids with binaphthyl-based crowned side chains and 3D-structural analysis of their peptides**, *Tetrahedron*, **64**, 2307-2320 (2008).
8. Dudot L., Wright K., Wakselman M., Mazaleyra J.-P., Peggion C., De Zotti M., Formaggio F., Toniolo C., **Central-to-axial chirality transfer and induced circular dichroism in 6,7-dihydro-5H-dibenz[*c,e*]azepine derivatives of α- and β-amino esters**, *Tetrahedron Lett.*, **49**, 3475-3479 (2008).
9. Dudot L., Wright K., Gaucher A., Wakselman M., Mazaleyra J.-P., De Zotti M., Peggion C., Formaggio F., Toniolo C., **The Bip method, based on the induced circular dichroism of a flexible biphenyl probe in terminally protected -Bip-Xaa^{*}- dipeptides, for assignment of the absolute configuration of β-amino acids**, *J. Am. Chem. Soc.*, **130**, 5986-5992 (2008).
10. Moretto A., De Zotti M., Crisma M., Formaggio F., Toniolo C., **N-methylation of N^α-acetylated, fully C^α-ethylated, linear peptides**, *Int.J.Pept.Res.Therap.*, **14**, 307-314 (2008).
11. Milov A.D., Samoilova R.I., Tsvetkov Yu.D., De Zotti M., Toniolo C., Raap J., **PELDOR conformational analysis of bis-labeled alamethicin aggregated in phospholipid vesicles**, *J.Phys.Chem.(B)*, **122**, 13469-13472 (2008).
12. Salnikov E.S., De Zotti M., Formaggio F., Li X., Toniolo C., O' Neil J.D.J., Raap J., Dzuba S.A., Bechinger B., **Alamethicin topology in phospholipid membranes by oriented solid-state NMR and EPR spectroscopies: a comparison**, *J. Phys. Chem.(B)*, **113**, 3034-3042 (2009).
13. De Zotti M., Formaggio F., Kaptein B., Broxterman Q.B., Felock P.J., Hazuda D.J., Singh S.B., Brückner H., Toniolo C., **Complete absolute configuration of integramide A, a natural, 16-mer, peptide inhibitor of HIV-1 integrase, elucidated by total synthesis**, *ChemBioChem*, **10**, 87-90 (2009).
14. Milov A.D., Samoilova R.I., Tsvetkov Yu.D., De Zotti M., Formaggio F., Toniolo C., Handgraaf J.-W., Raap J., **Structure of self-aggregated alamethicin in ePC membranes detected by PELDOR and ESEEM spectroscopies**, *Biophys. J.*, **96**, 3197-3209 (2009).
15. De Zotti M., Biondi B., Formaggio F., Toniolo C., Stella L., Park Y., Hahn K.-S., **Trichogin GA IV: an antibacterial and protease-resistant peptide**, *J. Pept. Sci.*, **15**, 615-619 (2009).
16. De Zotti M., Damato F., Formaggio F., Crisma M., Schievano E., Mammi S., Kaptein B., Broxterman Q.B., Felock P.J., Hazuda D.J., Singh S.B., Kirschbaum J., Brückner H., Toniolo C., **Total synthesis, characterization, and conformational analysis of the naturally-occurring hexadecapeptide integramide A and its diastereomer at positions 14 and 15**, *Chem. Eur. J.*, **16**, 316-327 (2010).
17. Gobbo M., Poloni C., De Zotti M., Peggion C., Biondi B., Ballano G., Formaggio F., Toniolo C., **Synthesis, preferred conformation, and membrane activity of medium-length peptaibiotics: Tylopeptin B**, *Chem. Biol. Drug. Des.*, **75**, 169-181 (2010).
18. De Zotti M., Schievano E., Mammi S., Kaptein B., Broxterman Q.B., Singh S.B., Brückner H., Toniolo C., **Configurational assignment of D- and L-Isovalines in intact, natural and synthetic, peptides by 2D-NMR spectroscopy**, *Chem. Biodivers.*, **7**, 1612-1624 (2010).

19. Annese C. D'Accolti L., De Zotti M., Fusco C., Toniolo C., Williard P., Curci R., **Concerning selectivity in the oxidation of peptides by dioxiranes. further insight into the effect of carbamate protecting groups**, *J. Org. Chem.*, **75**, 4812–4816 (2010).
20. De Zotti M., De Borggraeve W., Kaptein B., Broxterman Q.B., Singh S.B., Felock P.J., Hazuda, D.J., Formaggio F., Toniolo C., **Triple Hyp→Pro Replacement in Integramide A, a Peptaib Inhibitor of HIV-1 Integrase: Effect on Conformation and Bioactivity**, *Biopolymers (Pept. Sci.)*, **96**, 49–59 (2011).
21. Jose R. A., De Zotti M., Peggion C., Formaggio F., Toniolo C., De Borggraeve W. M., **Comparison of distance information in [TOAC¹, Glu(OMe)^{7,18,19}] alamethicin F50/5 from paramagnetic relaxation enhancement measurements with data obtained from an X-ray diffraction-based model**, *J. Pept. Sci.*, **17**, 377-382 (2011).
22. De Zotti M., Biondi B., Peggion C., Park Y., Hahm K.-S., Formaggio F., Toniolo C., **Synthesis, preferred conformation, protease stability, and membrane activity of heptaibin, a medium-length peptaibiotic**, *J. Pept. Sci.*, **17**, 585-594 (2011).
23. Smeazzetto S., De Zotti M., Moncelli M.R., **A new approach to detect and study ion channel formation in microBLMs**, *Electrochem. Comm.*, **13**, 834-836 (2011).
24. De Zotti M., Biondi B., Crisma M., Hjørringgaard C.U., Berg A., Brückner H., Toniolo C., **Isovaline in naturally occurring peptides: a nondestructive methodology for configurational assignment**, *Biopolymers (Pept. Sci.)*, **98**, 36-49 (2012).
25. De Zotti M., Biondi B., Peggion C., Formaggio F., Park Y., Hahm K.-S., Toniolo C., **Trichogin GA IV: a versatile template for the synthesis of novel peptaibiotics**, *Org. Biomol. Chem.*, **10**, 1285-1299 (2012).
26. Syryamina V.N., De Zotti M., Peggion C., Formaggio F., Toniolo C., Raap J., Dzuba S.A., **A molecular view on the role of cholesterol upon membrane insertion, aggregation, and water accessibility of the antibiotic lipopeptide trichogin GA IV as revealed by EPR**, *J. Phys. Chem. B*, **116**, 5653–5660 (2012).
27. De Zotti M., Biondi B., Peggion C., De Poli M., Fathi H., Oancea S., Toniolo C., Formaggio F., **Partial thioamide scan on the lipopeptaibiotic trichogin GA IV. Effects on folding and bioactivity**, *Beilstein J. Org. Chem.*, **8**, 1161–1171 (2012).
28. De Zotti M., Biondi B., Park Y., Hahm K.-S., Crisma M., Toniolo C., Formaggio F., **Antimicrobial lipopeptaibol trichogin GA IV: role of the three Aib residues on conformation and bioactivity**, *Amino Acids*, **43**, 1761-1777 (2012).
29. Nelissen J., Nuyts K., De Zotti M., Lavigne R., Lamberigts C., De Borggraeve W.M., **Total synthesis of Septocylindrin B and C-terminus modified analogues**, *Plos One*, **7**, e51708 (2012).
30. Bobone S., Roversi D., Giordano L., De Zotti M., Formaggio F., Toniolo C., Park Y., Stella L., **Lipid dependence of antimicrobial peptide activity is an unreliable experimental test for different pore models**, *Biochemistry*, **51**, 10124-10126 (2012).
31. Bobone S., Gerelli Y., De Zotti M., Bocchinfuso G., Farrotti A., Orioni B., Sebastiani F., Latter E., Penfold J., Senesi R., Formaggio F., Palleschi A., Toniolo C., Fragneto G., Stella L., **Membrane thickness and the mechanism of action of the short peptaibol trichogin GA IV**, *BBA-Biomembranes*, **1828**, 1013–1024 (2013).
32. Milov A.D., Tsvetkov Yu D., Maryasov A.G., Gobbo M., Prinzivalli C., De Zotti M., Formaggio F., Toniolo C., **Conformational properties of the spin-labeled tylopeptin B and heptaibin peptaibiotics based on PELDOR data analysis**, *Appl. Magn. Reson.*, **44**, 495-508 (2013).
33. Peggion C., Biondi B., De Zotti M., Oancea S., Formaggio F., Toniolo C., **Spectroscopically labeled peptaibiotic analogs. The 4-nitrophenylalanine infrared absorption probe inserted at different positions into trichogin GA IV**, *J. Pept. Sci.*, **19**, 246-256 (2013).
34. Gatto E., Bocchinfuso G., Palleschi A., Oancea S., De Zotti M., Formaggio F., Toniolo C., Venanzi M., **3D-Structure, dynamics, and activity of synthetic analogs of the peptaibiotic trichodecenin I**, *Chem. Biodivers.*, **10**, 887-903 (2013).
35. De Poli M., De Zotti M., Raftery J., Aguilar J., Morris G., Clayden, J., **Left-handed helical preference in an achiral peptide chain is induced by an L-amino acid in an N-terminal type II β-turn**, *J. Org. Chem.*, **78**, 2248-2255 (2013).
36. Peggion C., Biondi B., Battistella C., De Zotti M., Oancea S., Formaggio F., Toniolo C., **Spectroscopically labeled peptaibiotics. synthesis and properties of selected trichogin GA IV analogs bearing a side-chain monofluorinated aromatic amino acid for ¹⁹F NMR Analysis**, *Chem. Biodivers.*, **10**, 904-919 (2013).
37. Bortolus M., De Zotti M., Formaggio F., Maniero A.L., **Alamethicin in bicelles: orientation, aggregation, and bilayer modification as a function of peptide concentration**, *BBA-Biomembranes*, **1828**, 2620-2627 (2013).

38. Milov A.D., Tsvetkov Y.D., De Zotti M., Prinziavalli C., Biondi B., Formaggio F., Toniolo C., Gobbo M., **Aggregation modes of the spin mono-labeled tylopeptin B and heptaibin peptaibiotics in frozen solutions of weak polarity as studied by PELDOR spectroscopy**, *J. Struct. Chem.*, **54**, S1, S73-S85 (2013).
39. Orzel U., De Poli M., De Zotti M., Clayden J., **The N-terminal nonapeptide of Cephaibols A and C: a naturally occurring example of mismatched helical screw-sense control**, *Chem. Eur. J.*, **19**, 16357–16365 (2013).
40. Gatto E., Quatela A., Caruso M., Tagliaferro R., De Zotti M., Formaggio F., Toniolo C., Di Carlo A., Venanzi M., **Mimicking nature: a novel peptide-based bio-inspired approach for solar energy conversion**, *ChemPhysChem*, **15**, 64-68 (2014).
41. Wright K., d'Aboville E., Scola J., Margola T., Toffoletti A., De Zotti M., Crisma M., Formaggio F., Toniolo C., **A quaternary nitronyl nitroxide α -amino acid: synthesis, configurational and conformational assignments, and physico-chemical properties**, *Eur. J. Org. Chem.*, 1741-1752 (2014).
42. Žukauskaitė A., Moretto A., Peggion C., De Zotti M., Šačkus A., Formaggio F., De Kimpe N., Mangelinckx S., **Synthesis and conformational study of model peptides containing N-substituted 3-aminoazetidino-3-carboxylic acids**, *Eur. J. Org. Chem.*, 2312-2321 (2014).
43. Iftemi S., De Zotti M., Formaggio F., Toniolo C., Stella L., Luchian T., **Electrophysiology investigation of trichogin GA IV activity in planar lipid membranes reveals ion channels of well-defined size**, *Chem. Biodivers.*, **11**, 1069-1077 (2014).
44. De Zotti M.,* Ballano G., Jost M., Salnikov E.S., Bechinger B., Oancea S., Crisma M., Toniolo C., Formaggio F., **Solution Synthesis, Conformational Analysis, and Antimicrobial Activity of Three Alamethicin F50/5 Analogs Bearing a Trifluoroacetyl Label**, *Chem. Biodivers.*, **11**, 1163-1191 (2014).
45. Torsello M., Orian L., De Zotti M., Saini R., Formaggio F., Polimeno A., **Energetics of oxo- and thio-dipeptides formation via amino acid condensation: a systematic computational analysis**, *PhysChemChemPhys*, **16**, 17515-17522 (2014).
46. De Zotti M., Formaggio, F., Crisma, M., Peggion, C., Moretto, A., Toniolo, C., **Handedness preference and switching of peptide helices. Part I: Helices based on protein amino acids**, *J. Pept. Sci.*, **20**, 307-322 (2014).
47. Tavano R., Malachin G., De Zotti M., Peggion C., Biondi B., Formaggio F., Papini E., **The peculiar N- and C-termini of trichogin GA IV are needed for membrane interaction and human cell death induction at doses lacking antibiotic activity**, *BBA-Biomembranes*, **1848**, 134–144 (2015).
48. De Zotti M., Bobone S., Bortolotti A., Longo E., Biondi B., Peggion C., Formaggio F., Toniolo C., Dalla Bona A., Kaptein B., Stella L., **4-Cyano- α -methyl-L-phenylalanine as a Spectroscopic Marker for the Investigation of Peptaibiotic-Membrane Interactions**, *Chem. Biodivers.*, **12**, 513-527 (2015).
49. Crisma M., De Zotti M., Formaggio F., Peggion C., Moretto A., Toniolo C., **Handedness preference and switching of peptide helices. Part II: Helices based on noncoded α -amino acids**, *J. Pept. Sci.*, **21**, 148-177 (2015).
50. Crisma M., De Zotti M., Moretto A., Peggion C., Drouillat B., Wright K., Couty F., Toniolo C., Formaggio F., **Single and multiple peptide γ -turns: literature survey and recent progress**, *New J. Chem.*, **39**, 3208 - 3216, (2015) Perspective article.
51. Zanella S., Mingozzi M., Dal Corso A., Fanelli R., Arosio D., Cosentino M., Schembri L., Marino F., De Zotti M., Formaggio F., Pignataro L., Belvisi L., Piarulli U., Gennari C. **Synthesis, characterization and biological evaluation of a dual action ligand targeting α V β 3 integrin and VEGF receptors**, *ChemistryOpen*, 2015. DOI: 10.1002/open.201500062R1.
52. Bobone S.,[#] De Zotti M.,[#] Bortolotti A., Biondi B., Ballano G., Palleschi A., Toniolo C., Formaggio F., Stella L., **The Fluorescence and Infrared Absorption Probe para-Cyanophenylalanine: Effect of Labeling on the Behavior of Different Membrane-Interacting Peptides**, *Biopolymers (Pept. Sci.)*, 2015, accepted.

Oral Communications

- O1. De Zotti M., Formaggio F., Singh S.B., Kaptein B., Broxterman Q.B. and Toniolo C., **Synthesis, Conformation, and Bioactivity of Integramide A, a Peptide Inhibitor of HIV-1 Integrase, and Selected Analogs**, "Murray Goodman" session at the *Naples Workshop on Bioactive Peptides*, Napoli, Italy (4-7 June, 2010).
- O2. De Zotti M., Formaggio F., Singh S.B., Kaptein B., Broxterman Q.B. and Toniolo C., **Synthesis, Conformation, and Bioactivity of Integramide A, a Peptide Inhibitor of HIV-1 Integrase, and Selected Analogs**, presented at the *Congresso Nazionale della Divisione di Chimica dei Sistemi Biologici*, San Vito di Cadore (BL), Italy (9-11 September, 2010).

- O3. De Zotti M., Biondi B., Crisma M., Hjørringgaard C.U., Berg A., Brückner H. and Toniolo C., **A Nondestructive Methodology for the Configurational Assignment of Iva Residues in Peptaibiotics**, presented at the 22nd American Peptide Symposium, San Diego (U.S.A.) (25-30 June, 2011).
- O4. De Zotti M., Tavano R., Peggion C., Biondi B., Formaggio F., Hahm K.-S., Papini E., Toniolo C., **Short Peptaibiotics as New Antimicrobial and Antitumor Agents: Synthesis, Conformational Analysis, Antimicrobial and Cytotoxic Evaluations of Trichogin GA IV and Selected Analogues thereof**, presented at the "Congresso Nazionale della Società Chimica Italiana", Lecce, Italy (11-16 September, 2011).
- O5. De Zotti M., Biondi B., Tavano R., Peggion C., Formaggio F., Papini E. and Toniolo C., **Short peptaibiotics as new antitumor agents: synthesis, conformational analysis and cytotoxicity evaluation of trichogin GA IV and selected analogs thereof, invited presentation** at the 13th Naples Workshop on Bioactive Peptides, Napoli, Italy (7-10 June, 2012).
- O6. De Zotti M., Peggion C., Crisma M., Formaggio F., **Thioamidated peptides: synthesis, conformation and biological properties**, presented at the *Congresso Nazionale della Divisione di Chimica dei Sistemi Biologici*, Bertinoro (FC), Italy (19-20 September, 2013).
- O7. De Zotti M., Tavano R., Biondi B., Peggion C., Papini E., Formaggio F., **Peptide cytotoxicity as a function of capping moieties: trichogin GA IV, invited presentation** at the 14th Naples Workshop on Bioactive Peptides, Napoli, Italy (12-14 June, 2014).