

Laura Piscopo

Curriculum vitae

PERSONAL DATA

Born on 28/07/1965 in Naples (Italy)
Tel. +39.0131.360258
Fax +39.0131.360390
E-mail laura.piscopo@uniupo.it

BIO AND EDUCATION

Bachelor's degree in biological sciences in the academic year 1988/89 with 110/110 honors, at the University of Turin and PhD in Chemistry in 1993.

UNIVERSITY CAREER

1990-93	PhD in chemistry University of Turin
1993-	Ricercatore , University of Piemonte Orientale

MAIN FIELDS OF INTEREST

Identification and development of new methods of synthesis of compounds with possible biological activity.

CURRENT ISSUES OF RESEARCH

Identification and quantification of biomarkers in clinical or environmental problems by the technique of shotgun proteomic analysis and validation of results by NMR analysis.

Abstract- Once you have identified a biomarker proteomic level you will undertake an absolute quantification of the most promising ones and/or interesting from the point of view of the role through the synthesis of specific peptide fragments produced by the enzyme digestion of protein biomarkers of interest, fragments containing amino acids isotopically labelled. These fragments isotopically labelled are recognizable to the analysis microLC-HRMS and will make possible the original absolute quantification protein present in the sample analyzed

TOP FIVE PAPERS

1. Barbero, M., Degani, I., Dughera, S., Fochi, R., & Piscopo, L. (1996). Convenient procedure for converting 1,3-dithiolane-2-thiones into 1,3-dithiolan-2-ones. *Journal of the Chemical Society - Perkin Transactions 1*, (3), 289-294.
2. Cadamuro, S., Degani, I., Dughera, S., Fochi, R., Gatti, A., & Piscopo, L. (1993). General methods for synthesizing 2,4-diacylpyrroles and their precursors containing one or two masked acyl groups. *Journal of the Chemical Society, Perkin Transactions 1*, (2), 273-283.
3. Cadamuro, S., Degani, I., Fochi, R., Gatti, A., & Piscopo, L. (1996). Convenient route for the synthesis of 3-substituted and 3,4-disubstituted pyrrole-2,5-dicarbaldehydes. *Journal of the Chemical Society - Perkin Transactions 1*, (19), 2365-2369.
4. Piscopo, L., Prandi, C., Coppa, M., Sparnacci, K., Laus, M., Laganà, A., D'Ascenzo, G. (2002). Uniformly sized molecularly imprinted polymers (MIPs) for 17 β -estradiol. *Macromolecular Chemistry and Physics*, 203(10-11), 1532-1538. doi:10.1002/1521-3935(200207)203:10/11<1532::AID-MACP1532>3.0.CO;2-C
5. Tei, L., Baranyai, Z., Botta, M., Piscopo, L., Aime, S., & Giovenzana, G. B. (2008). Synthesis and solution thermodynamic study of rigidified and functionalised EGTA derivatives. *Organic and Biomolecular Chemistry*, 6(13), 2361-2368. doi:10.1039/b804195d