

PRODUZIONE SCIENTIFICA (FINO A LUGLIO 2013)

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

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Barbato R., Di Paolo M.L., Rigoni F., Giacometti G.M. (1990) Identification of a Stable Precursor of the Apoprotein of PS II Antenna Complex CP29. *Journal of Plant Physiology*, 136:468-471.

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PAOLA PIETRANGELI, LAURA MORPURGO, BRUNO MONDOVÌ, MARIA LUISA DI PAOLO, ADELIO RIGO, "Soluble amine oxidases from mammals" Chapter 5 in the book: "Copper Amine Oxidases: Structures, catalytic mechanisms and role in physiopathology" Editors Giovanni Floris and Bruno Mondovì, in publishing by Taylor and Francis Group, LLC., Editorial Project Development
6000 Broken Sound Parkway N.W., Suite 300 Boca Raton, FL 33487 (2008)

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Zonin E., Moscaticello R., Miuzzo M., Cavallarin N., Di Paolo M.L., Sandonà D., Marin O., Brini M., Negro A., Navazio L. (2011) TAT-mediated Aequorin Transduction: an Alternative Approach to Effective Calcium Measurements in Plant. *Cells. Plant and Cell Physiology.* Vol 52: 2225-2235.

Bonaiuto E., Minarini A., Tumiatti V., Milelli A., Lunelli M., Pegoraro M., Rizzoli V., Di Paolo M.L. (2012) Synthetic polyamines as potential amine oxidase inhibitors: a preliminary study. *Amino Acids* 42:913–928

Cozza G., Sarno S., Ruzzene M., Girardi C., Orzeszko A., Kazimierczuk Z., Zagotto G., Bonaiuto E., Di Paolo M.L., Pinna L.A. (2013) Exploiting the repertoire of CK2 inhibitors to target DYRK and PIM kinases. *Biochim Biophys Acta (Proteins and Proteomics)* 1834:1402-1409

Vortkamp A., Rossetto M., Vanzani P., Di Paolo M.L., Klärner S., Muno-Bender J., Schneider I., Schnell S., Rigo A., Rauhut D. (2013), Characterisation of laccase activity of two strains of *Botrytis cinerea* *J. Plant Pathol.*, (in print)

Bonaiuto E., Milelli A., Cozza G., Tumiatti V., Marchetti C., Agostinelli E., Fimognari C., Hrelia P., Minarini A., Di Paolo M.L. (2013) Novel polyamine analogues: from substrates towards potential inhibitors of monoamine oxidases. *Eur. J. Med. Chem.* (Ms. Ref. No: EJMECH-D-13-00805R1, in print)

POSTER E PRESENTAZIONI A CONGRESSI INTERNAZIONALI

30 luglio-2 agosto 2006 M.L. Di Paolo, M. Lunelli, M. Scarpa and A. Rigo. Poster with oral presentation “On the characteristic of hydrophobic zone into BSAO active site” , 12th Amine Oxidase and Trace Amines Workshop, Rotterdam-Olanda.

14-18 maggio 2008: Bonaiuto E and M.L. Di Paolo. Poster with oral presentation “Human semicarbazide –sensitive amine oxidase/VAP-1: Kinetic studies to search new potential substrates.” International Congress: Biogenic amines: Biochemical, Physiological and Clinical aspects” Alberè di Tenna (TN)- Univ di Padova e Università di Torino

11-15 Ottobre 2008: 2 Poster al: 13th Amine Oxidase and related Diseases, Workshop AO 2008, Beijing Institute of Technology, Beijing (Chine).

1. Emanuela Bonaiuto, Adelio Rigo, Marina Scarpa, Francesco Tessarolo, Mattia Barbareschi, Annachiara Cagnin and Maria Luisa Di Paolo “Fluorimetric Determination Of Semicarbazide-Sensitive Amine Oxidase (SSAO/VAP-1) Activity In Human Plasma”

2. Emanuela Bonaiuto and Maria Luisa Di Paolo “Semicarbazide- Sensitive Amine Oxidase (VAP-1) From Human Adipocytes. A kinetic Study

11-15 Ottobre 2008: Relazione orale su invito: al: 13th Amine Oxidase and related Diseases, Workshop AO 2008, Beijing Institute of Technology, Beijing (Chine). Maria Luisa Di Paolo, Emanuela Bonaiuto, Marina Scarpa, Michele Lunelli and Adelio Rigo “Substrates As Probes Of Semicarbazide- Sensitive Amine Oxidase Active Site”

11-14 Maggio 2009: Poster e presentazione orale al “International Congress: Biogenic amines: Biochemical, Physiological and Clinical aspects”, Bertinoro, Cesena-Forlì (TN)- Univ di Padova e Università di Bologna, Emanuela Bonaiuto, Paola Vanzani, Monica Rossetto, Veronica De Marco, Annachiara Cagnin, Stefania Fontana and Maria Luisa Di Paolo

“A fluorimetric determination of Semicarbazide-Sensitive Amine Oxidase (SSAO/VAP-1) activity in human plasma from patients with Alzheimer’s disease”.

18-21 luglio 2010 Poster: Bonaiuto E, Bramuzzo S, Minarini A, Tumiatti V, Milelli A, Pegoraro M, Rizzoli V, Lunelli M, DI PAOLO M.L.. Synthetic polyamines as potential Vascular Adhesion protein-1 inhibitors: a preliminary study. In: AO 2010- The 14th Biennial International Amine Oxidase Workshop- Programme and Abstract. University of Alberta, Edmonton, Canada,, p. P06 (*Proceedings*)

1-6 Dicembre 2010 Poster e Proceeding: Bonaiuto Emanuela, Anna Minarini, Vincenzo Tumiatti, Andrea Milelli, Maurizio Pegoraro, Valeria Rizzoli, Maria Luisa Di Paolo (2010). “Synthetic polyamines as potential amine oxidases inhibitors: a preliminary study”. 2nd International Conference on the Role of Polyamines and their Analogs in Cancer and other Diseases. TIVOLI (Rome)-Italy

21-25 Settembre 2011, Poster al International Congress: “Biogenic amines 2011: Biochemical, Physiological and Clinical aspects”, Alberè di Tenna (TN), Italy. Emanuela Bonaiuto, Maria Luisa Di Paolo, Fabio Vianello, Massimiliano Magro, Sinigaglia Giulietta, Valentina Battaglia, Silvia Grancara, Antonio, Toninello, Roberto Stevanato.

“A novel semicarbazide-sensitive amine oxidase from bovine liver mitochondria: a preliminary study.” (P42 Abstract Book”)

19 -24 giugno 2011. Gordon Research Conference: Polyamines. Waterville Valley Resort, Waterville, NH, USA.
Poster presentation: Bonaiuto E., Minarini A., Tumiatti V., Milelli A., Cozza G., Stevanato R., Vanzani V., and Maria Luisa Di Paolo “Polyamine analogues and human amine oxidases: from a new substrate towards potential inhibitors.

15-18 luglio 2012, Coauthor of Oral presentation Bonaiuto E, Stevanato R, Grancara S, Martinis P, Toninello A, Battaglia V, Vianello F, Agostinelli E and Di Paolo ML, A novel enzyme with spermine oxidase activity in bovine liver mitochondria: a kinetic study.

In: AOC 2012- The Amine Oxidase Congress. Tolulose, France, O-21 (Proceedings)

2-7 settembre 2012, International Congress on Polyamines, “Polyamines: Biological and Clinical Perspectives”, Istanbul, Turkey;

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- 1. Poster, Bonaiuto E., Stevanato R., Grancara S., Martinis P., Toninello A., Battaglia V., Vianello F., Agostinelli E., Di Paolo M.L. “ A novel enzyme with spermine oxidase activity in bovine liver mitochondria” In Congress Acta “Polyamines: Biological and Clinical Perspectives”, P10, 2-7 September, Istanbul, Turkey;

-2. Poster, Tempera G. Minarini A., Milelli A., Tumiatti V., Ueshima T., Merignolo M., Bonaiuto E., Di Paolo M.L., Toninello A., Ragno R., Ballante F., Stevanato R., Agostinelli E., “Interaction between new polyamine analogs and bovine serum amine oxidase” In Congress Acta “Polyamines: Biological and Clinical Perspectives”, P23, 2-7 September, Istanbul, Turkey;

-3. Poster, Bonaiuto E., Minarini A., Milelli A., Tumiatti V., Cozza G., Agostinelli E., Di Paolo M.L., “ Novel polyamine analogues: from substrate towards potential inhibitors of monoamine oxidases” In Congress Acta “Polyamines: Biological and Clinical Perspectives”, P55, 2-7 September, Istanbul, Turkey;

- 4. Poster, Magro M., Baratella D., Bonaiuto E., Di Paolo M.L., Miotto G., Salvioulo G., Agostinelli E., Zboril R. Toninello A., Martinis P., Grancara S., Vianello F. ,“ Novel maghemite nanoparticles conjugated with avidin: surface, characterization, functionalization and application for bovine amine oxidase purification” In Congress Acta “Polyamines: Biological and Clinical Perspectives”, P57, 2-7 September, Istanbul, Turkey;

22-23 ottobre 2012, Poster, Patholux 2012 Anne Vorkamp, Monica Rossetto, Paola Vanzani, Maria Luisa Di Paolo, Stefan Klärner, Judith Muno-Bender, Ilona Schneider, Sylvia Schnell, Adelio Rigo, Doris Rauhut., “Investigations regarding a possible characterization of laccase activity in different strains of *Botrytis cinerea*”, Conference on Impact of Plant Pathogens on the Quality of Crops and Wine, Mondorf-les-Bains, Luxembourg.

POSTER E PRESENTAZIONI A CONGRESSI NAZIONALI

3-5 Ottobre 2002 –Catania: *seminario su invito dal titolo:* “Fattori fisici che mediano la funzione delle ammino ossidasi” al V Convegno nazionale del Consorzio interuniversitario “Istituto Nazionale Biostrutture e Biosistemi”.

Novembre 2004- Napoli: *seminario su invito dal titolo:*”Cinetica versus cristallografia nello studio delle relazioni struttura-funzione di metallo enzimi.” Relatori: Di Paolo ML e Lunelli M. VI Convegno nazionale del Consorzio interuniversitario “Istituto Nazionale Biostrutture e Biosistemi”.

27 Maggio 2005: Padova, *seminario dal titolo*” Ammino ossidasi a rame: aspetti cinetici e strutturali” Relatori: Di Paolo ML e Lunelli M. Cicli di seminari P2P: Proteine alle 2 di Pomeriggio, organizzato dai Dipartimenti di Biologica, Chimica Biologica, Fisica Scienze Chimiche e Sc. Farmaceutiche Univ- Padova

21-25 Novembre 2009: Poster al “XL Congresso della Società Italiana di Neurologia”, Padova
“A marker of endothelial inflammation (serum SSAO/VAP-1) is increased in mild Alzheimer’s disease” Annachiara Cagnin, Stefania Fontana, Emanuela Bonaiuto, Adelio Rigo, Leontino Battistin1, Maria Luisa Di Paolo.

16-18 giugno 2010. Poster. Moscatiello, R., Zonin, E., Miuzzo, M., Di Paolo M.L., Sandonà D., Marin O., Negro A. Navazio, L. “Approcci cinetici alternativi per la traslocazione di macromolecole in cellule vegetali. Riunione Annuale dei gruppi di Lavoro di : Biologia Cellulare e Molecolare & Biotecnologie e differenziamento. Università del Salento, Lecce.