

CURRICULUM VITAE
MARCO DELLA PERUTA, Ph.D.

PERSONAL DATA:

Place and date of birth: Verona (VR), Italy, July 20th, 1978

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EDUCATION

2004-2006 - PhD in “Human Oncological Pathology”, University of Verona School of Medicine, Italy.

2003 - Degree in Chemical and Pharmaceutical Technologies (five-year specialized degree, including six months practical experience in a pharmacy in the last year), University of Modena and Reggio Emilia, Italy.

LANGUAGE:

Italian (native), English (Intermediate level: very good comprehension, fair level written and conversation)

EMPLOYMENT EXPERIENCE

2003-present - Department of Pathology, General Pathology Section, Univ. of Verona.

CURRENT INTEREST:

- proteomic approach for to the identification of novel biomarkers in pancreatic cancer.
- role of PTPRG in cancer (solid tumors and leukemia)

Expertise in several field of cell biology, biochemistry and molecular biology, including:

- CELL BIOLOGY: cell culture, proliferation assays, clonogenic assays, use of antisense and siRNA .
- BIOCHEMISTRY: Protein expression in eukariotic and prokariotic cells, protein purification, flow cytometry, western blotting, two dimensional polyacrylamide gel electrophoresis, immunoprecipitation, phosphatase/kinase assays, multiplex technology (Bio-Plex), ELISA and ICH
- MOLECULAR BIOLOGY: RNA-DNA extraction and purification, cDNA mutagenesis and cloning, PCR, real-time PCR, in vitro transcription and translation.

REFERENCES

1. Mauri, P., Scarpa, A., Nascimbeni, A. C., Benazzi, L., Parmagnani, E., Mafficini, A., **Della Peruta, M.**, Bassi, C., Miyazaki, K., and Sorio, C. Identification of proteins released by pancreatic cancer cells by multidimensional protein identification technology: a strategy for identification of novel cancer markers. *Faseb J*, 19, 1125-1127. 2005
2. Vezzalini, M., Mombello, A., Menestrina, F., Mafficini, A., **Della Peruta, M.**, van Niekerk, C., Barbareschi, M., Scarpa, A., and Sorio, C. Expression of Transmembrane Protein Tyrosine Phosphatase Gamma (PTP γ) in normal and neoplastic human tissues, *Histopathology*, 2007, 50, 615–628.
3. Mafficini, A., Vezzalini, M., Zamai, L., Bergamini, G., **Della Peruta, M.**, Melotti, P., and Sorio, C. Protein tyrosine phosphatase gamma (PTP γ) is a novel leukocyte marker highly expressed by CD34+ precursors, *Biomarker Insights*, 2007, 2, 217–224.
4. Bergamini G, Cigana C, Sorio C, **Della Peruta M**, Pompella A, Corti A, Huaux FA, Leal T, Assael BM, Melotti P. Effects of Azithromycin (AZM) on Glutathione-S-Transferases (GST)s in Cystic Fibrosis Airway Cells. *Am J Respir Cell Mol Biol*. 2008 Dec 18.
5. Missiaglia E., Dalai I., Barbi S., Beghelli S., Falconi M., **Della Peruta M.**, Piemonti P., Capurso G., Di Florio A., Delle Fave G., Pederzoli P., Croce CM and Scarpa A.. Pancreatic endocrine tumors: expression profiling evidences a role for AKT-mTOR pathway. *Journal of Clinical Oncology*, 2009. In Press.
6. **Della Peruta M.**, Giagulli C., Laudanna C., Scarpa A., Sorio C.. RhoA and PRKCZ control different aspects of cell motility in pancreatic cancer metastatic clones. *Molecular Cancer*, 2009. Accepted pending revision.
7. **Della Peruta M.**, Martinelli G., Monne M., Pintani D., Grafone T., Iacobucci I., Soverini S., Murineddu M., Vinante F., Tecchio C., Moratti E., Vezzalini M., Mafficini A., Piras G.,

Gabbas A. and Sorio C. Protein Tyrosine Phosphatase Receptor Type G is a functional tumor-suppressive gene specifically down-regulated in chronic myeloid leukemia (CML). *Blood*, 2009. Accepted pending revision.

CONGRESS PARTECIPATIONS

1. Bonora, A., **Della Peruta, M.**, Mauri, P., Maraia, G., Cavallini, A., Mafficini, A., Bassi, C., Scarpa, A., Pederzoli, P., and Sorio, C. Proteomic identification of two new proteins secreted by pancreatic cancer cells: versican and MAC25/angiomodulin. *Pancreatology* 2005;5(suppl 1):35–102
2. Mafficini, A., Vezzalini, M., **Della Peruta, M.**, Bergamini, G., Melotti, P., Sorio, C.. Development An Characterization Of A Novel Antibody Specific For The Extracellular Domain Of The Transmembrane Protein Tyrosine Phosphatase Gamma. *XVI European Congress of Immunology (2006), Poster session.*
3. Mafficini, A., Bellone, G., Bonora, A., Crippa, S., Vezzalini, M., **Della Peruta, M.**, Scarpa, A., Sorio C. PTPRG Expression Correlates with Tolerogenic Phenotype in Dendritic Cells Derived from Pancreatic Cancer Patients. *XXX Congresso AISP (2006).*
4. Mafficini, A., Bellone, G., Bonora, A., Crippa, S., Vezzalini, M., **Della Peruta, M.**, Scarpa, A., Sorio, C. PTPRG Expression Correlates with Tolerogenic Phenotype in Dendritic Cells derived from Pancreatic Cancer Patients. *XLVIII Congresso nazionale della Società Italiana di Cancerologia (2006), Poster session.*
5. PTPRG Expression Correlates with Tolerogenic Phenotype in Dendritic Cells Derived from Pancreatic Cancer Patients Mafficini A, Bellone G, Bonora A, Crippa S, Vezzalini M, **Della Peruta M**, Scarpa A, Sorio C. *JOP. J Pancreas (Online)* 2006; 7(5 Suppl):538-539. Issn: 1590-8577
6. **Della Peruta, M.**, Mauri, P., Mafficini, A., Vezzalini. M., Bonora, A., Crippa, S., Benazzi, L., Scarpa, A., Sorio, C.. Multidimensional Proteomic Analysis Of Proteins Released By Pancreatic Cancer Suit-2 Cell Line Subclones: Correlation With Different Motility And Metastatic Potential. *XLVIII Congresso nazionale della Società Italiana di Cancerologia (2006), Poster session and oral comunicazione.*
7. **Della Peruta M**, Mafficini A, Moratti E, Vezzalini M, Scarpa A, Laudanna C, Sorio C. Metastatic and non metastatic pancreatic cancer cell lines respond differentially to RhoA AND ζPKC inhibition. *AISP - 31st National Congress. Naples (Italy). September 20-22, 2007. J Pancreas (Online)* 2007; 8(5 Suppl):656-657.

8. UROKINASE PLASMINOGEN ACTIVATOR RECEPTOR AS A NEW USEFUL MARKER IN PANCREATIC CANCER: PRELIMINARY RESULTS Antonio Bonora, Claudio Sorio, Federico Furlan, Gianluigi Maraia, Andrea Mafficini, Stefano Crippa, **Marco Della Peruta**, Claudio Bassi, Paolo Pederzoli, Alvis Cavallini HPB (Oxford). 2007; 9(S2): 3–76. doi: 10.1080/13651820701427987.
9. Bergamini, G.; Cigana, C.; Sorio, C.; **Della Peruta, M.**; Assael, B.M.; Melotti, P. Azithromycin decreases evaluated Glutathione-S Transferase T1 (GSTT1) and M1 (GSTM1) expression and activity in cystic fibrosis airway epithelial cells. *The 21st Annual North American Cystic Fibrosis Conference; Pediatric Pulmonology, S30, 2007.*
10. Azithromycin (AZM) decreases Glutathione-S-Transferase (GST) -T1 expression and activity in CF airway epithelial cells. Bergamini, G., Cigana, C., Sorio, C., **Della Peruta, M.**, Assael, B.M., Melotti, P. (2007) Pediatric Pulmonology, supplement 30 (ISSN 8755-6863), Abs 269 presented at the 21st Annual North American Cystic Fibrosis Conference, Anaheim Convention Center, Anaheim, California, Oct 3-6, 2007
11. Bergamini, G.; Cigana, C.; Sorio, C.; **Della Peruta, M.**; Assael, B.M.; Melotti, P. Azithromycin decreases evaluated Glutathione-S Transferase T1 (GSTT1) and M1 (GSTM1) expression and activity in cystic fibrosis airway epithelial cells. *XIII Congresso Italiano Della Fibrosi Cistica. III Congresso Nazionale SIFC, 2007.*
12. **M. Della Peruta**, M. Martinelli, M. Monne, D. Pintani, T. Grafone, I. Iacobucci, M. Murineddu, F. Vinante, C. Tecchio, M. Vezzalini, G. Piras, A. Gabbas, A. Mafficini, C. Sorio. Down-regulation of Protein Tyrosine Phosphatase Gamma (PTPRG) in Chronic Myeloid Leukemia (CML). Poster (n. 106) presented at the *13TH Congress Of The European Hematology Association*, Bella Center, Copenhagen, Denmark, June 12-15, 2008. *Haematologica*, Vol 93 (s1), p. 42, June 2008. Selected for a Travel Grant.
13. Development of FT-IR microspectroscopy for pre-clinical and clinical applications. G. Bellisola, G. Bergamini, M. Bolomini-Vittori, M.Cestelli Guidi, G. Cinque, **M. Della Peruta**, C. Giagulli, C. Laudanna, A. Mafficini, A. Marcelli, P. Melotti, M. Piccinini, C. Sorio. *Poster presented at the IV meeting DASIM (Diagnostic Applications of synchrotron Infrared Microspectroscopy)*
14. Bergamini G., Cigana C., Sorio C., **Della Peruta M.**, Pompella A., Corti A., Huaux F., Leal T., Assael Bm., Melotti P.. Azithromycin (AZM) regulates glutathione-S-transferases (GST)s in cystic fibrosis (CF) airway cells. *European Respiratory Society Congress. Berlin, October 4-8. 2008.*

15. Sorio C, Martinelli G, Monne M, Vezzalini M, Moratti E, Mafficini A, **Della Peruta M.** Down-regulation of protein tyrosine phosphatase gamma (PTPRG) in chronic myeloid leukemia (CML). *7th International Symposium on Target Anticancer Therapies. Amsterdam, March 23-25, 2009.*