

## **Prof. Sartini Davide**

### **Docente non Universitario**

#### **Esperienze:**

Dottore in Scienze Biologiche il 05/11/2003 con votazione 110/110 e lode presso la Facoltà di Scienze dell’Università Politecnica delle Marche.

Dottore di Ricerca in Oncologia Urologica il 05/02/2007 presso la Facoltà di Medicina e Chirurgia dell’Università Politecnica delle Marche.

Dal 01/09/2007 al 31/05/2009 Assegnista di ricerca presso la Facoltà di Medicina e Chirurgia dell’Università Politecnica delle Marche.

Dal 01/09/2009 al 28/02/2010 Borsista presso la Facoltà di Medicina e Chirurgia dell’Università Politecnica delle Marche.

Dal 01/05/2010 al 31/07/2012 Assegnista di ricerca presso la Facoltà di Medicina e Chirurgia dell’Università Politecnica delle Marche.

Titolare dell’insegnamento di Genomica (SSD BIO/11), Corso di Laurea Magistrale in Biologia Molecolare, Sanitaria e della Nutrizione, Facoltà di Scienze e Tecnologie, Università degli Studi di Urbino “Carlo Bo”, A.A. 2010-2011.

Dal 01/11/2012 al 31/10/2013 Fondazione Marche / ISSNAF Post-Doc Fellow presso il NYU Cancer Institute, Department of Pathology, New York University School of Medicine, New York.

Dal 01/03/2014 ad oggi Assegnista di ricerca presso la Facoltà di Medicina e Chirurgia dell’Università Politecnica delle Marche.

### **Pubblicazioni**

- 01)** Lo Muzio L, Santarelli A, Emanuelli M, Pierella F, Sartini D, Staibano S, Rubini C, De Rosa G. Genetic analysis of oral squamous cell carcinoma by cDNA microarrays focused apoptotic pathway. *Int J Immunopathol Pharmacol.* 2006 Jul-Sep;19(3):675-82.
- 02)** Sartini D, Muzzonigro G, Milanese G, Pierella F, Rossi V, Emanuelli M. Identification of nicotinamide N-methyltransferase as a novel tumor marker for renal clear cell carcinoma. *J Urol.* 2006 Nov;176(5):2248-54.
- 03)** Sartini D, Santarelli A, Rossi V, Goteri G, Rubini C, Ciavarella D, Lo Muzio L, Emanuelli M. Nicotinamide N-methyltransferase upregulation inversely correlates with lymph node metastasis in oral squamous cell carcinoma. *Mol Med.* 2007 Jul-Aug;13(7-8):415-21.
- 04)** Tranquilli AL, Landi B, Corradetti A, Giannubilo SR, Sartini D, Pozzi V, Emanuelli M. Inflammatory cytokines patterns in the placenta of pregnancies complicated by HELLP (hemolysis, elevated liver enzyme, and low platelet) syndrome. *Cytokine.* 2007 Nov;40(2):82-8.
- 05)** Emanuelli M, Giannubilo SR, Landi B, Sartini D, Pierella F, Corradetti A, Tranquilli AL. Placental overexpression of transforming growth factor-beta3 in the HELLP syndrome. *Gynecol Obstet Invest.* 2008;65(1):1-5.
- 06)** Alleva R, Tomasetti M, Sartini D, Emanuelli M, Nasole E, Di Donato F, Borghi B, Santarelli L, Neuzil J. alpha-Lipoic acid modulates extracellular matrix and angiogenesis gene expression in non-healing wounds treated with hyperbaric oxygen therapy. *Mol Med.* 2008 Mar-Apr;14(3-4):175-83.
- 07)** Costarelli L, Muti E, Malavolta M, Giacconi R, Cipriano C, Sartini D, Emanuelli M, Silvestrini M, Provinciali L, Gobbi B, Mocchegiani E. Modulation of genes involved in zinc homeostasis in old low-grade atherosclerotic patients under effects of HMG-CoA reductase inhibitors. *Rejuvenation Res.* 2008 Apr;11(2):287-91.

- 08)** Emanuelli M, Sartini D, Rossi V, Corradetti A, Landi B, Vianna CR, Giannubilo SR, Tranquilli AL. Alpha-hemoglobin-stabilizing protein (AHSP) in hemolysis, elevated liver enzyme, and low platelet (HELLP) syndrome, intrauterine growth restriction (IUGR) and fetal death. *Cell Stress Chaperones*. 2008 Spring;13(1):67-71.
- 09)** Emanuelli M, Cecati M, Sartini D, Stortoni P, Corradetti A, Giannubilo SR, Turi A, Tranquilli AL. Placental alpha hemoglobin stabilizing protein (AHSP) and recurrent miscarriage. *Cell Stress Chaperones*. 2009 Mar;14(2):193-7.
- 10)** Corradetti A, Saccucci F, Emanuelli M, Vagnoni G, Cecati M, Sartini D, Giannubilo SR, Tranquilli AL. The role of p38alpha mitogen-activated protein kinase gene in the HELLP syndrome. *Cell Stress Chaperones*. 2010 Jan;15(1):95-100.
- 11)** Emanuelli M, Santarelli A, Sartini D, Ciavarella D, Rossi V, Pozzi V, Rubini C, Lo Muzio L. Nicotinamide N-methyltransferase upregulation correlates with tumour differentiation in oral squamous cell carcinoma. *Histol Histopathol*. 2010 Jan;25(1):15-20.
- 12)** Stortoni P, Cecati M, Giannubilo SR, Sartini D, Turi A, Emanuelli M, Tranquilli AL. Placental thrombomodulin expression in recurrent miscarriage. *Reprod Biol Endocrinol*. 2010 Jan 5;8:1.
- 13)** Orciani M, Morabito C, Emanuelli M, Guarnieri S, Sartini D, Giannubilo SR, Di Primio R, Tranquilli AL, Mariggò MA. Neurogenic potential of mesenchymal-like stem cells from human amniotic fluid: the influence of extracellular growth factors. *J Biol Regul Homeost Agents*. 2011 Jan-Mar;25(1):115-30.
- 14)** Pozzi V, Mazzotta M, Lo Muzio L, Sartini D, Santarelli A, Renzi E, Rocchetti R, Tomasetti M, Ciavarella D, Emanuelli M. Inhibiting proliferation in KB cancer cells by RNA interference-mediated knockdown of nicotinamide N-methyltransferase expression. *Int J Immunopathol Pharmacol*. 2011 Jan-Mar;24(1):69-77.
- 15)** Poloni A, Sartini D, Emanuelli M, Trappolini S, Mancini S, Pozzi V, Costantini B, Serrani F, Berardinelli E, Renzi E, Olivieri A, Leoni P. Gene expression profile of cytokines in patients with chronic graft-versus-host disease after allogeneic hematopoietic stem cell transplantation with reduced conditioning. *Cytokine*. 2011 Mar;53(3):376-83.
- 16)** Santarelli L, Strafella E, Staffolani S, Amati M, Emanuelli M, Sartini D, Pozzi V, Carbonari D, Bracci M, Pignotti E, Mazzanti P, Sabbatini A, Ranaldi R, Gasparini S, Neuzil J, Tomasetti M. Association of miR-126 with soluble mesothelin-related peptides, a marker for malignant mesothelioma. *PLoS One*. 2011 Apr 1;6(4):e18232.
- 17)** Vignini A, Sartini D, Morganti S, Nanetti L, Luzzi S, Provinciali L, Mazzanti L, Emanuelli M. Platelet amyloid precursor protein isoform expression in Alzheimer's disease: evidence for peripheral marker. *Int J Immunopathol Pharmacol*. 2011 Apr-Jun;24(2):529-34.
- 18)** Peng Y, Sartini D, Pozzi V, Wilk D, Emanuelli M, Yee VC. Structural basis of substrate recognition in human nicotinamide N-methyltransferase. *Biochemistry*. 2011 Sep 13;50(36):7800-8.
- 19)** Giannubilo SR, Landi B, Pozzi V, Sartini D, Cecati M, Stortoni P, Corradetti A, Saccucci F, Tranquilli AL, Emanuelli M. The involvement of inflammatory cytokines in the pathogenesis of recurrent miscarriage. *Cytokine*. 2012 Apr;58(1):50-6.
- 20)** Sartini D, Pozzi V, Renzi E, Morganti S, Rocchetti R, Rubini C, Santarelli A, Lo Muzio L, Emanuelli M. Analysis of tissue and salivary nicotinamide N-methyltransferase in oral squamous cell carcinoma: basis for the development of a noninvasive diagnostic test for early-stage disease. *Biol Chem*. 2012 May;393(6):505-11.
- 21)** Cecati M, Sartini D, Pozzi V, Giannubilo SR, Ferretti F, Stortoni P, Saccucci F, Tranquilli AL, Emanuelli M. Clues to apoptosis pathway involvement in hemolysis, elevated liver enzyme, and low platelet (HELLP) syndrome and intrauterine growth restriction (IUGR). *J Matern Fetal Neonatal Med*. 2013 Jan;26(1):26-31.

- 22)** Sartini D, Muzzonigro G, Milanese G, Pozzi V, Vici A, Morganti S, Rossi V, Mazzucchelli R, Montironi R, Emanuelli M. Upregulation of tissue and urinary nicotinamide N-methyltransferase in bladder cancer: potential for the development of a urine-based diagnostic test. *Cell Biochem Biophys.* 2013 Apr;65(3):473-83.
- 23)** Pozzi V, Sartini D, Morganti S, Giulante R, Di Ruscio G, Santarelli A, Rocchetti R, Rubini C, Tomasetti M, Giannatempo G, Orlando F, Provinciali M, Lo Muzio L, Emanuelli M. RNA-mediated gene silencing of nicotinamide N-methyltransferase is associated with decreased tumorigenicity in human oral carcinoma cells. *PLoS One.* 2013 Aug 21;8(8):e71272.
- 24)** Sartini D, Morganti S, Guidi E, Rubini C, Zizzi A, Giulante R, Pozzi V, Emanuelli M. Nicotinamide N-methyltransferase in non-small cell lung cancer: promising results for targeted anti-cancer therapy. *Cell Biochem Biophys.* 2013 Dec;67(3):865-73.
- 25)** Vignini A, Morganti S, Salvolini E, Sartini D, Luzzi S, Fiorini R, Provinciali L, Di Primio R, Mazzanti L, Emanuelli M. Amyloid precursor protein expression is enhanced in human platelets from subjects with Alzheimer's disease and frontotemporal lobar degeneration: a real-time PCR study. *Experimental Gerontology.* 2013 Dec;48(12):1505-8.
- 26)** Lo Muzio L, Sartini D, Santarelli A, Rocchetti R, Morganti S, Pozzi V, Rubini C, Bambini F, Emanuelli M. Expression and prognostic significance of apoptotic genes in oral squamous cell carcinoma. *Mol Carcinog.* 2014 Apr;53(4):264-71.
- 27)** Sartini D, Seta R, Pozzi V, Morganti S, Rubini C, Zizzi A, Tomasetti M, Santarelli L, Emanuelli M. Role of nicotinamide N-methyltransferase in nonsmall cell lung cancer: in vitro effect of shRNA-mediated gene silencing on tumorigenicity. *Biol Chem.* 2014. In press.