

CURRICULUM VITAE DIEGO ARCELLI

Diego Arcelli was born in Ferrara, 28th September 1963. After completing high school at the scientific institute of Buenos Aires (RA), he obtained a biological degree at University of Studies of Ferrara in 1997. He received a specialization in Medical genetics in 2000 and a PhD degree in Physiology and Endocrinology at the Department of Neurology and Endocrinology in 2005 at the University of Studies of Ferrara. In 2003 received a Master in Bioinformatics at Wellcome Trust Genome Campus, Hinxton, Cambridge, UK.

After a period at Laboratory of Genotoxic Analyses, Research Centre "G. Natta", Ferrara, ITALY, from 2000 to 2002 he has worked at the Laboratory of Functional Genomics, Department of Morphology and embryology, University of Ferrara, ITALY in the field of human genetics. Since 2002 at present, Diego Arcelli is Senior Research, responsible of the Functional Genomics & Bioinformatics Unit at Molecular Oncology Laboratory of the hospital IDI-IRCCS in Rome, Italy and he is adjunct professor of the course human physiology and food science for first of the level degree at Medicine University of Siena.

Present research focuses on:

- Identification of markers in maternal blood of pregnancies affected with fetal congenital diseases at early state of pregnancy
- gene expression profiling in tumors for prognosis and therapy response prediction.
- molecular mechanism of pain

Publications:

1: Arcelli D, Farina A, Cappuzzello C, Bresin A, De Sanctis P, Zucchini C, Valentini D, Rizzo N. Identification of circulating placental mRNA in maternal blood of

pregnancies affected with fetal congenital heart diseases at 2nd trimester of pregnancy. *Prenat Diagn.* 2009 Oct 1. [Epub ahead of print]

2: Farina A, Morano D, Arcelli D, De Sanctis P, Sekizawa A, Purwosunu Y, Zucchini C, Simonazzi G, Okai T, Rizzo N. Gene expression in chorionic villous samples at 11 weeks of gestation in women who develop preeclampsia later in pregnancy: implications for screening. *Prenat Diagn.* 2009 Sep 3. [Epub ahead of print]

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4: Cappuzzello C, Napolitano M, Arcelli D, Melillo G, Melchionna R, Di Vito L, Carlini D, Silvestri L, Brugaletta S, Liuzzo G, Crea F, Capogrossi MC. Gene expression profiles in peripheral blood mononuclear cells of chronic heart failure patients. *Physiol Genomics.* 2009 Aug 7;38(3):233-40. Epub 2009 Mar 31.

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cascade in a knock in mouse model. *Circ Res.* 2008 Aug 1;103(3):298-306. Epub 2008 Jun 26.

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8: Arcelli D, Palmieri A, Pezzetti F, Brunelli G, Zollino I, Carinci F. Genetic effects of a titanium surface on osteoblasts: a meta-analysis. *J Oral Sci.* 2007 Dec;49(4):299-309. PubMed PMID: 18195514.

9: Mascellani N, Liu X, Rossi S, Marchesini J, Valentini D, Arcelli D, Taccioli C, Helmer Citterich M, Liu CG, Evangelisti R, Russo G, Santos JM, Croce CM, Volinia S. Compatible solutes from hyperthermophiles improve the quality of DNA microarrays. *BMC Biotechnol.* 2007 Nov 23;7:82.

10: Carinci F, Arcelli D, Lo Muzio L, Francioso F, Valentini D, Evangelisti R, Volinia S, D'Angelo A, Meroni G, Zollo M, Pastore A, Ionna F, Mastrangelo F, Conti P. Molecular classification of nodal metastasis in primary larynx squamous cell carcinoma. *Transl Res.* 2007 Oct;150(4):233-45. Epub 2007 May 23.

11: Simonazzi G, Vicenzi C, Rizzo MA, Farina A, Gabrielli S, Arcelli D, Pilu G, Sekizawa A, Rizzo N. Prospective evaluation of the risk of pre-eclampsia using logistic regression analysis. *Ultrasound Obstet Gynecol.* 2007 Sep;30(3):312-7.

12: Banzola I, Farina A, Concu M, Sekizawa A, Purwosunu Y, Strada I, Arcelli D, Simonazzi G, Caramelli E, Rizzo N. Performance of a panel of maternal serum markers in predicting preeclampsia at 11-15 weeks' gestation. *Prenat Diagn.* 2007 Nov;27(11):1005-10. PubMed

13: Cappuzzello C, Melchionna R, Mangoni A, Tripodi G, Ferrari P, Torielli L, Arcelli D, Helmer-Citterich M, Bianchi G, Capogrossi MC, Napolitano M. Role of rat alpha adducin in angiogenesis: null effect of the F316Y polymorphism. *Cardiovasc Res.* 2007 Aug 1;75(3):608-17. Epub 2007 May 4.

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15: Balduini A, d'Apolito M, Arcelli D, Conti V, Pecci A, Pietra D, Danova M, Benvenuto F, Perotti C, Zelante L, Volinia S, Balduini CL, Savoia A. Cord blood in vitro expanded CD41 cells: identification of novel components of megakaryocytopoiesis. *J Thromb Haemost.* 2006 Apr;4(4):848-60.

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20: Volinia S, Evangelisti R, Francioso F, Arcelli D, Carella M, Gasparini P. GOAL: automated Gene Ontology analysis of expression profiles. *Nucleic Acids Res*. 2004 Jul 1;32(Web Server issue):W492-9.

21: Carinci F, Pezzetti F, Volinia S, Laino G, Arcelli D, Caramelli E, Degidi M, Piattelli A. P-15 cell-binding domain derived from collagen: analysis of MG63 osteoblastic-cell response by means of a microarray technology. *J Periodontol*. 2004 Jan;75(1):66-83.

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