

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name **MASSIMO MARIOTTI**  
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E-mail [massimo.mariotti@unimi.it](mailto:massimo.mariotti@unimi.it)  
Nationality italian  
Date of birth 30/08/71

**WORK EXPERIENCE**

- Dates (from – to) FROM JANUARY 2011 TO TODAY
- Name and address of employer IRCCS Galeazzi Orthopedic Institute
- Type of business or sector biomedical scientist
- Occupation or position held Lab director (UNIMI consultant)
- Main activities and responsibilities Direction of the Zebrafish Laboratory of bone metabolism and disease.
  
- Dates (from – to) FROM SEPTEMBER 2014 TO TODAY
- Name and address of employer University of Milan – Dep. Biomedical, Surgical and Dental Sciences
- Type of business or sector biomedical scientist- *in vivo* bone metabolism
- Occupation or position held Assistant professor
- Main activities and responsibilities Principal investigator
  
- Dates (from – to) FROM SEPTEMBER 2004 TO SEPTEMBER 2014
- Name and address of employer University of Milan – Dep. Clinical Sciences L. Sacco
- Type of business or sector biomedical scientist – oncology and vascular biology
- Occupation or position held Assistant professor
- Main activities and responsibilities Principal investigator
  
- Dates (from – to) FROM APRIL 2002 TO AUGUST 2004
- Name and address of employer Cardiovascular research center (CVRC) Mass. General Hospital/Harvard Medical School, Boston (MA) USA
- Type of business or sector cardiovascular research
- Occupation or position held post-doc
- Main activities and responsibilities Project principal investigator in the Zebrafish Lab.

**EDUCATION AND TRAINING**

- Dates (from – to) From 1990 to 1996
- Name and type of organisation University of Milan
- Principal subjects/occupational skills covered Biological sciences
- Title of qualification awarded Master Degree in Biological Sciences
- Level in national classification Laurea in Scienze Biologiche (if appropriate)

**PERSONAL SKILLS  
AND COMPETENCES**

MOTHER TONGUE

**italian**

OTHER LANGUAGES

**english**

- Reading skills
- Writing skills
- Verbal skills

good  
basic  
basic

- Reading skills
- Writing skills
- Verbal skills

**french**

good  
basic  
basic

**SOCIAL SKILLS  
AND COMPETENCES**

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

- good communication skills gained through my experience as university professor
- team working skills
- good adaptative skills in multicultural relationships

**ORGANISATIONAL SKILLS  
AND COMPETENCES**

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

- Leadership
- Sense of organization
- Good experience in project and team management

**TECHNICAL SKILLS  
AND COMPETENCES**

*With computers, specific kinds of equipment, machinery, etc.*

Experienced user of Microsoft office products.  
Keen user of the internet.

**ARTISTIC SKILLS  
AND COMPETENCES**

*Music, writing, design, etc.*

Writing, table game inventor

**OTHER SKILLS  
AND COMPETENCES**

*Competences not mentioned above.*

Sports : volleyball, ski, soccer, trekking

**DRIVING LICENCE(S)**

B

**ADDITIONAL INFORMATION**

**ANNEXES**

Scientific publications :

- J. Maier, M. Mariotti, A. Albini, P. Comi, M. Prat, P.M. Comoglio and M.Soria. OVER-EXPRESSION OF HEPATOCYTE GROWTH FACTOR IN HUMAN KAPOSIS' SARCOMA (1996) *Int. J. Cancer* 65, 168-172 IF:4.92
- J. Maier, M. Mariotti, P.M. Comoglio and M.Soria. INTERLEUKIN 1 INDUCES AN AUTOCRINE LOOP FOR HEPATOCYTE GROWTH FACTOR IN MURINE SPINDLE CELLS. (1996) *Oncogene* 13, 1009-1015 IF:7.41
- J. Maier, M. Mariotti, L. Meneghini, U. Cavallaro, Zhihao Wu, G. Massazza, D. Campioni, A. Corallini, G. Barbanti-Brodano and M. Soria, FIBROBLAST GROWTH FACTOR 2 AND THE PROTEASE ACTIVITY OF TUMOR CELLS ISOLATED FROM BK VIRUS/TAT TRANSGENIC MICE (1996) *Fibrinolysis* 10(5/6), 309-315
- U. Cavallaro, M. Mariotti, Z. H. Wu, M.R. Soria and J.A.M Maier FIBRONECTIN MODULATED ENDOTHELIAL RESPONSE TO HIV-1 TAT (1997) *AIDS Res. Hum. Retroviruses*, 13/15: 1341-1348 IF:2.08
- I. Dragoni, M. Mariotti, G.G. Consalez, M.R. Soria, J.A.M. Maier, EDF-1, A NOVEL GENE PRODUCT DOWN-REGULATED IN HUMAN ENDOTHELIAL CELL DIFFERENTIATION (1998) *J. Biol. Chem.* 273 (47), 31119-31124 IF:5.32
- M. Corada, M. Mariotti, G. Thurston, K. Smith, R. Kunkel, M. Brockhaus, M.G. Lampugnani, I. Martin-Padura, A. Stopacciaro, L. Ruco, D.M. McDonald, P.A. Ward and E. Dejana, VE-CADHERIN IS AN IMPORTANT DETERMINANT OF MICROVASCULAR INTEGRITY IN VIVO (1999) *Proc. Natl. Acad. Sci. U.S.A.* 96, 9815-9820. IF:9.77
- M. Mariotti, L. De Benedictis, E. Avon and J.A.M. Maier, INTERACTION BETWEEN ENDOTHELIAL DIFFERENTIATION-RELATED FACTOR-1 AND CALMODULIN IN VITRO AND IN VIVO (2000) *J. Biol. Chem.* 275 (31), 24047-24051 IF:5.32
- M. Mariotti, M. Manganini and J.A.M. Maier, MODULATION OF WHSC2 EXPRESSION IN HUMAN ENDOTHELIAL CELLS (2000) *FEBS Letters* 487, 166-170 IF:3.60
- L. De Benedictis, M. Mariotti and J.A.M. Maier, CLONING AND CHARACTERIZATION OF MURINE EDF-1 (2001) *Gene* 275(5), 299-304 IF:2.26
- M. Mariotti, L. De Benedictis and J.A.M. Maier, EDF-1: SOMETHING MORE THAN JUST ANOTHER CALMODULIN-BINDING PROTEIN ( review ) (2001) *Current Topics in Biochemical Research* Vol.4, 183-191
- Z. H. Wu, M. Mariotti, U. Cavallaro, M. R. Soria and J.A. Maier, DIFFERENTIAL RESPONSE TO TAT AND FGF-2 OF TWO NOVEL CLONAL POPULATIONS DERIVED FROM MURINE KAPOSII-LIKE LESIONS DEVELOPING IN TAT TRANSGENIC MICE (2002) *Microvasc. Res.* 63, 19-26 IF:2.39
- E. Ballabio, M. Mariotti, L De Benedictis and J.A.M Maier, THE DUAL ROLE OF ENDOTHELIAL DIFFERENTIATION-RELATED FACTOR-1 IN THE CYTOSOL AND NUCLEUS: MODULATION BY PROTEIN KINASE A. (2004) *Cell Mol Life Sci. Apr*;61(9):1069-74 IF:7.07
- Friedrich EB, Liu E, Sinha S, Cook S, Milstone DS, MacRae CA, Mariotti M, Kuhlencordt PJ, Force T, Rosenzweig A, St-Arnaud R, Dedhar S, Gerszten RE. INTEGRIN-LINKED KINASE REGULATES ENDOTHELIAL CELL SURVIVAL AND VASCULAR DEVELOPMENT. (2004) *Mol Cell Biol.* 24(18):8134-44. IF:6.18
- D. Bernardini, E. Ballabio, M. Mariotti and JA Maier. DIFFERENTIAL EXPRESSION OF EDF-1 AND ENDOTHELIAL NITRIC OXIDE SYNTHASE BY PROLIFERATING, QUIESCENT AND SENESCENT MICROVASCULAR ENDOTHELIAL CELLS. *Biochim Biophys Acta.* (2005) Sep 10;1745(2):265-72. IF:5.2
- M. Mariotti, S. Castiglioni and J.A. Maier. EXPRESSION ANALYSIS AND MODULATION BY HIV-TAT OF THE TYROSINE PHOSPHATASE HD-PTP (2006) *J Cell Biochem.* May 15;98(2):301-8. IF:3.12
- M. Mariotti, S. Castiglioni, D. Bernardini and J.A.M Maier. INTERLEUKIN 1 ALPHA IS A MARKER OF ENDOTHELIAL CELLULAR SENESCENCE. (2006) *Immun Ageing, Apr* 6;3(1):4
- M. Mariotti, S. Castiglioni, L. Beguinot and J.A.M Maier. THE TYROSINE PHOSPHATASE HD-PTP IS REGULATED BY FGF-2 THROUGH PROTEASOME DEGRADATION (2006) *Front Biosci.* Sep 1;11:2138-43 IF:4.04
- S. Castiglioni, J.A.M Maier and M. Mariotti. THE TYROSINE PHOSPHATASE HD-PTP: A NOVEL PLAYER IN ENDOTHELIAL MIGRATION (2007) *Biochem Biophys Res Commun.* 2007 Dec 21;364(3):534-9 IF:2.59
- M. Mariotti and J.A.M Maier. GRAVITATIONAL UNLOADING INDUCES AN ANTI-ANGIOGENIC PHENOTYPE IN HUMAN MICROVASCULAR ENDOTHELIAL CELLS (2008) *J Cell Biochem.* Nov 2; [Epub ahead of print] IF:3.12
- M. Mariotti and J.A.M Maier. IMPACT OF EXTRACELLULAR HIV-TAT ON THE REGULATION OF EDF-1 LEVELS IN HUMAN ENDOTHELIAL CELLS. (2008) *International Journal of Immunopathology and Pharmacology.* Apr-Jun;21(2):409-14. IF:2.68

- M. Mariotti, S. Castiglioni, J.M. Garcia-Manteiga, L. Beguinot and J.A.M Maier. HD-PTP INHIBITS ENDOTHELIAL MIGRATION THROUGH ITS INTERACTION WITH SRC (2009). *Int J Biochem Cell Biol.* 41(3):687-93. IF:4.00
- M. Mariotti, S. Castiglioni and J.A. Maier INHIBITION OF T24 HUMAN BLADDER CARCINOMA CELL MIGRATION BY RNA INTERFERENCE SUPPRESSING THE EXPRESSION OF HD-PTP. (2009) *Cancer Lett.* 273(1):155-63 IF:3.39
- M. Mariotti, M. Leidi and J.A. Maier. TRANSCRIPTIONAL COACTIVATOR EDF-1 IS REQUIRED FOR PPARGAMMA-STIMULATED ADIPOGENESIS. *Cell Mol Life Sci.* (2009) Aug; 66(16):2733-42. IF:7.07
- Ottria R, Casati S, Maier JA, **Mariotti M**, Ciuffreda P. NOVEL ISOPENTENYLADENOSINE ANALOGUES: SYNTHESIS, CHARACTERIZATION, AND EVALUATION OF ANTIPROLIFERATIVE ACTIVITY ON BLADDER CARCINOMA CELLS. *Nucleosides Nucleotides Nucleic Acids.* 2009 Aug;28(8):736-51. IF:1.13
- Leidi M, **Mariotti M**, Maier JA. THE EFFECTS OF SILENCING EDF-1 IN HUMAN ENDOTHELIAL CELLS. *Atherosclerosis.* 2010 Jul;211(1):55-60. IF:4.08
- Ottria R, Casati S, Manzocchi A, Baldoli E, **Mariotti M**, Maier JA, Ciuffreda P. SYNTHESIS AND EVALUATION OF IN VITRO ANTICANCER ACTIVITY OF SOME NOVEL ISOPENTENYLADENOSINE DERIVATIVES. *Bioorg Med Chem.* 2010 Jun 15;18(12):4249-54. IF: 2.97
- Leidi M, **Mariotti M**, Maier JA. EDF-1 CONTRIBUTES TO THE REGULATION OF NITRIC OXIDE RELEASE IN VEGF-TREATED HUMAN ENDOTHELIAL CELLS. *Eur J Cell Biol.* 2010 Sep;89(9):654-60. IF:3.63
- Leidi M, Dellera F, **Mariotti M**, Maier JA. HIGH MAGNESIUM INHIBITS HUMAN OSTEOBLAST DIFFERENTIATION IN VITRO. *Magnes Res.* 2011 Mar;24(1):1-6. IF:1.37
- Pasqualetti S, Banfi G, **Mariotti M**. OSTEOBLAST AND OSTEOCLAST BEHAVIOR IN ZEBRAFISH CULTURED SCALES. *Cell Tissue Res.* 2012 Oct;350(1):69-75. IF:3.6
- Pasqualetti S, Banfi G, **Mariotti M**. THE ZEBRAFISH SCALE AS MODEL TO STUDY THE BONE MINERALIZATION PROCESS. *J Mol Histol.* 2012 Oct;43(5): 589-95. IF:1.55
- Lombardi G, Lanteri P, Colombini A, **Mariotti M**, Banfi G. SCLEROSTIN CONCENTRATIONS IN ATHLETES: ROLE OF LOAD AND GENDER. *J Biol Regul Homeost Agents.* 2012 Jan-Mar;26(1):157-63. IF:5.18
- Pasqualetti S, Banfi G, **Mariotti M**. THE EFFECTS OF STRONTIUM ON SKELETAL DEVELOPMENT IN ZEBRAFISH EMBRYO. *J Trace Elem Med Biol.* 2013 Jun 25. doi:pil: S0946-672X(13)00092-8. 10.1016/j.jtemb.2013.06.002. [Epub ahead of print] IF:2.3
- Zennaro C, **Mariotti M**, Carraro M, Pasqualetti S, Corbelli A, Armelloni S, Li M, Ikehata M, Clai M, Artero M, Messa P, Boscutti G, Rastaldi MP. PODOCYTE DEVELOPMENTAL DEFECTS CAUSED BY ADRIAMYCIN IN ZEBRAFISH EMBRYOS AND LARVAE: A NOVEL MODEL OF GLOMERULAR DAMAGE. *PLoS One.* 2014 May 20;9(5):e98131. IF: 3.73
- Mariotti M**, Colognato R, Rimoldi M, Rizzetto M, Sisto F, Cocce V, Bonomi A, Parati E, Alessandri G, Bagnati R, Pessina A. MESENCHYMAL STROMAL CELLS UPTAKE AND RELEASE PACLITAXEL WITHOUT REDUCING ITS ANTICANCER ACTIVITY. *Anticancer Agents Med Chem.* 2014 Jun 18. [Epub ahead of print] IF:2.6
- Pasqualetti S, Congiu T., Banfi G, **Mariotti M**. ALENDRONATE RESCUED OSTEOPOROTIC PHENOTYPE IN A MODEL OF GLUCOCORTICOID-INDUCED OSTEOPOROSIS IN ADULT ZEBRAFISH SCALE. *Int J Exp Pathol.* 2015 Feb;96(1):11-20. IF: 2.052
- Mariotti M**, Carnovali M, Banfi G. DANIO RERIO: THE JANUS OF THE BONE FROM EMBRYO TO SCALE. *Clin Cases Miner Bone Metab.* 2015 May-Aug;12(2):188-94.
- Carnovali M, Ottria R, Pasqualetti S, Banfi G, Ciuffreda P, **Mariotti M**. EFFECTS OF BIOACTIVE FATTY ACID AMIDE DERIVATIVES IN ZEBRAFISH SCALE MODEL OF BONE METABOLISM AND DISEASE. *Pharmacol Res.* 2016 Feb;104:1-8.
- Carnovali M, Banfi G, Mora S, **Mariotti M**. TENOFOVIR AND BONE: AGE-DEPENDENT EFFECTS IN A ZEBRAFISH ANIMAL MODEL. *Antivir Ther.* 2016 Apr 1.
- Carnovali M, Luzi L, Banfi G, **Mariotti M**. CHRONIC HYPERGLYCEMIA AFFECTS BONE METABOLISM IN ADULT ZEBRAFISH SCALE MODEL. *Endocrine.* 2016 Dec;54(3):808-817. IF:
- Tonon F, Zennaro C, Dapas B, Carraro M, **Mariotti M**, Grassi G. RAPID AND COST-EFFECTIVE XENOGRIFT HEPATOCELLULAR CARCINOMA MODEL IN ZEBRAFISH FOR DRUG TESTING. *Int J Pharm.* 2016 Oct 29. pii: S0378-5173(16)31047-X.
- Carnovali M., Banfi G, **Mariotti M**. THE ADULT ZEBRAFISH AS POLYHEDRIC MODEL FOR SKELETAL STUDIES. *J Biol Regul Homeost Agents.* 2016 Oct-Dec;30(4 Suppl 1):213-218. IF:2.40

Ottria R, Cappelletti L, Ravelli A, **Mariotti M**, Gigli F, Romagnoli S, Ciuffreda P, Banfi G, Drago L. PLASMA ENDOCANNABINOID BEHAVIOUR IN TOTAL KNEE AND HIP ARTHROPLASTY. J Biol Regul Homeost Agents. 2016 Oct-Dec;30(4):1147-1152. IF:5.18

#### CHAPTER BOOKS

J.A.M Maier, C. Malpuech-Brugère, M. Mariotti, Wioletta Zimowska, Massimiliano Manganini, Yves Rayssiguer, and Andrzej Mazur, MAGNESIUM AND ENDOTHELIAL CELLS in ADVANCES IN MAGNESIUM RESEARCH: NUTRITION AND HEALTH edito da: John Libbey & Company Ltd (2001) 83-88

M. Mariotti and JAM Maier. ANGIOGENESIS: AN OVERVIEW in NEW FRONTIERS IN ANGIOGENESIS. Ed. Reza Forough, Springer (2006)

#### BOOKS

Jeanette Anne Marie Maier, Massimo Mariotti. ELEMENTS OF GENERAL PATHOLOGY AND PHYSIOPATHOLOGY. McGraw-Hill. - Pub Date: February 2009