



Monsieur Del Fattore, entré en fonction : ...2014.....

Grade, Statue : PhD.

Bambino Gesù Children's Hospital, IRCCS

Domaines: Bone Physiopathology Laboratory

Dr. Del Fattore is the coordinator of Bone Physiopathology Group of the Bambino Gesù Children's Hospital in Rome, Italy. His research activity is focused on the study of genetic bone and rare diseases. Particularly, he studied Osteopetrosis, performing a clinical, genetic and cellular analysis of 49 osteopetrotic patients and he created the first animal model of autosomal dominant osteopetrosis. Moreover his research was relevant to understand new functions and pathways associated with the skeleton, including the stomach-bone axis and bone-energy metabolism and insulin. He was also interested in the study of osteopenia associated with inflammatory diseases, osteo-immunology, skeletal metastasis and Duchenne muscular dystrophy. Recently his research is also focused on the study the molecular and cellular alteration in patients affected by Gorham-Stout disease and on the understanding the mechanisms of bone loss in cystinosis. Dr. Del Fattore published 48 papers and 3 book chapters. He received several awards including the ECTS Iain T Boyle Award, for young scientists who made significant progress and contribution to the field of bone and calcified tissue. In 2017 He obtained Scientific habilitation as Associate Professor of Histology and Applied Biology.

Publications du groupe

Articles scientifiques

5 publications récentes et significatives de l'équipe de recherche :

[Dissecting the mechanisms of bone loss in Gorham-Stout disease.](#)

Rossi M, Buonuomo PS, Battafarano G, Conforti A, Mariani E, Algeri M, Pelle S, D'Agostini M, Macchiaiolo M, De Vito R, Gonfiantini MV, Jenkner A, Rana I, Bartuli A, Del Fattore A. *Bone*. **2019** Sep 13:115068

[Intrinsic Bone Defects in Cystinotic Mice.](#)

Battafarano G, Rossi M, Rega LR, Di Giovamberardino G, Pastore A, D'Agostini M, Porzio O, Nevo N, Emma F, Taranta A, **Del Fattore A**. *Am J Pathol*. **2019** May;189(5):1053-1064.

[The Role of Extracellular Vesicles in Bone Metastasis.](#)

Rossi M, Battafarano G, D'Agostini M, Del Fattore A. *Int J Mol Sci*. **2018** Apr 10;19(4). pii: E1136.

[Immunoregulatory Effects of Mesenchymal Stem Cell-Derived Extracellular Vesicles on T Lymphocytes.](#)

Del Fattore A, Luciano R, Pascucci L, Goffredo BM, Giorda E, Scapatucci M, Fierabracci A, Muraca M. *Cell Transplant*. **2015**;24(12):2615-27.

[Generation of the first autosomal dominant osteopetrosis type II \(ADO2\) disease models.](#)

Alam I, Gray AK, Chu K, Ichikawa S, Mohammad KS, Capannolo M, Capulli M, Maurizi A, Muraca M, Teti A, Econs MJ, Del Fattore A. *Bone*. **2014** Feb;59:66-75.