

Boroni Chiara, BSc

Personal data

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Date and place of birth: 20/12/1983, Bergamo, Italy
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Education

October 16, 2009: Master degree in Industrial Biotechnology at the University of Milano-Bicocca.
July 17, 2006: graduated in Biotechnology at the University of Milano-Bicocca.

Current position

Research fellow, Laboratory of Molecular Biology "P. Belli", Hematology Unit, Papa Giovanni XXIII, Bergamo. Specialist in molecular diagnosis of chronic myeloid and acute lymphoblastic leukemia and molecular monitoring of minimal residual disease (MRD) in these diseases.

Scientific activity

Participation in the European project SensorART (A remote controller SENSORized ARTificial heart enabling patients empowerment and new therapy approaches) in collaboration with cardiovascular department of the Niguarda Cà Granda Hospital of Milan and in APICE project (Activity of Platelets after Inhibition and Cardiovascular Events) sponsored by Ministero della Salute and in collaboration with the Institute of Physiology of CNR in PISA.

Evaluation of redox and inflammatory parameters in atherosclerosis and heart failure using HPLC, immunoenzymatic assays (ELISA and EIA), SDS-PAGE and Western blotting; evaluation of prognostic and diagnostic markers in the field of the ventricular assistance and heart transplant and measurement of metalloproteinases activity (especially MMP-2 and MMP-9) as indicator of cardiac remodeling in transplanted patients and in patients with LVAD.

Selected Publications

- Caruso R, Caselli C, Boroni C, Campolo J, Milazzo F, Cabiati M, Russo C, Parolini M, Giannessi D, Frigerio M, Parodi O. *Relationship Between Myocardial Redox State and Matrix Metalloproteinase Activity in Patients on Left Ventricular Assist Device Support*. accepted May 30, 2011 on Circulation Journal.
- Caruso R, Verde A, Cabiati M, Milazzo F, Boroni C, Del Ry S, Parolini M, Vittori C, Paino R, Martinelli L, Giannessi D, Frigerio M, Parodi O. *Association of pre-operative interleukin-6 levels with Interagency Registry for Mechanically Assisted Circulatory Support profiles and intensive care unit stay in left ventricular assist device patients*. Epub 2012 Mar 3 on J Heart Lung Transplant.
- Caruso R, Verde A, Campolo J, Milazzo F, Russo C, Boroni C, Parolini M, Trunfio S, Paino R, Martinelli L, Frigerio M, Parodi O. *Severity of oxidative stress and inflammatory activation in end-stage heart failure patients are unaltered after 1 month of left ventricular mechanical assistance*. Accepted April 13, 2012 on Cytokine.