

Name: **Marco Benati**
Birth: January 11, 1981
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Current position: Research Scholarship Holders

Education:

- 2006: Molecular Biology degree at University of Padova (100/110)
- 2014: Clinical Biochemistry Specialization with honours at University of Verona
- 2017: PhD degree in Applied Life and Health Sciences

Topics of scientific research

- Pre-analytical, analytical and post-analytical variability
- Tumour biomarkers
- Cancer biology
- Sport medicine

Scientific articles

1. Danese E, **Benati M**, Minicozzi AM, Paviati E, Lima-Oliveira G, Gusella M, Pasini F, Salvagno GL, Montagnana M, Lippi G. Reference miRNAs for colorectal cancer: analysis and verification of current data. *Scientific Reports* 2017 in press. (IF 4,259)
2. **Benati M**, Montagnana M, Danese E, Paviati E, Giudici S, Franchi M, Lippi G. Evaluation of mir-203 expression levels and DNA promoter methylation status in serum of patients with endometrial cancer. *Clin Lab* 2017 (IF: 0,93)
3. **Benati M**, Danese E, Sanchis-Gomar F, Tarperi C, Salvagno GL, Paviati E, Montagnana M, Schena F, Lippi G. Physiological determinants of urine and plasma myomiRNAs in recreational, middle-age athletes. *J Lab Precis Med* 2017
4. Montagnana M, **Benati M**, Danese E. Circulating biomarkers in epithelial ovarian cancer diagnosis: from present to future perspective. *Ann Trasl Med*
5. Tikhonoff V, Albertini F, Montagnana M, Danese E, Mazza A, Finatti F, Favaro J, **Benati M**, Dal Maso L, Gasparotti F, Spinella P. Caffeine intake and abstract reasoning among 1,374 unselected men and women from general population. Role of the -163C>A polymorphism of CYP1A2 gene. *Clinical Nutrition Espen* (in press) (IF 4,458)
6. **Benati M**, Montagnana M, Danese E, Paviati E, Giudici S, Ruzzenente O, Franchi M, Lippi G. The clinical significance of DJ-1 and HE4 in patients with endometrial cancer *Journal of Clinical Laboratory Analysis* 2017 DOI: 10.1002/jcla.22223
7. Danese E, Fava C, Beltrame F, Tavella D, Calabria S, **Benati M**, Gelati M, Gottardo R, Tagliaro F, Guidi GC, Cattaneo M, Minuz P. Relationship between pharmacokinetics and pharmacodynamics of clopidogrel in patients undergoing PCI: comparison between VASP phosphorylation assay and Multiple Electrode Aggregometry. *J Thromb Haemost* 2016;14(2):282-93 (IF: 4.984)
8. Montagnana M, **Benati M**, Danese E, Giudici S, Perfranceschi M, Ruzzenente O, Salvagno GL, Bassi A, Gelati M, Paviati E, Guidi GC, Franchi M, Lippi G. Aberrant miRNAs expression in patients with endometrial cancer. *International Journal of Gynecological Cancer* (IF 2.11) (in press)

9. Lippi G, Buonocore R, Tarperi C, Montagnana M, Festa L, Danese E, **Benati M**, Salvagno GL, Bonaguri C, Roggenbuck D, Schena F. DNA injury is acutely enhanced in response to increasing bulks of aerobic physical exercise. *Clin Chim Acta* 2016;460:146-51 (IF: 2.8)
10. **Benati M**, Montagnana M, Danese E, Giudici S, Ruzzenente O, Guidi GC, Franchi M, Lippi G. MiR-199a and miR-125b expression levels in serum of patients affected by epithelial ovarian cancer. *Biochimica Clinica* 2016;40(4):328-333
11. Lippi G, Danese E, Brocco G, **Benati M**, Salvagno GL, Montagnana M, Franchini M. Thirty-minutes' exposure to smartphone call triggers neutrophil activation in vitro. *Clin Chem Lab Med* 2016;54(9):1497-501 (IF: 2.707)
12. Montagnana M, **Benati M**, Danese E, Minicozzi AM, Paviati E, Gusella M, Pasini F, Bovo C, Guidi GC, Lippi G. Plasma expression levels of circulating miR-21 are not useful for diagnosing and monitoring colorectal cancer. *Clin Lab* 2016;62(5):967-70 (IF 1.084)
13. Danese E, **Benati M**, Minicozzi AM, Montagnana M, Paviati E, Salvagno GL, Lima-Oliveira G, Gusella M, Pasini F, Lippi G, Guidi GC. Comparison of Genetic and Epigenetic Alterations of Primary Tumors and Matched Plasma Samples in Patients with Colorectal Cancer. *PLoS One* 2015;10(5):e0126417 (IF: 3.234)
14. **Benati M**, Montagnana M, Danese E, De Matteis G, Veneri D, Paviati E, Guidi GC. Role of JAK2 V617F mutation and aberrant expression of microRNA-143 in myeloproliferative neoplasms. *Clin Chem Lab Med* 2015;53(7):1005-11 (IF: 2.707)
15. Danese E, **Benati M**, Minicozzi AM, Montagnana M, Paviati E, Salvagno GL, Gusella M, Pasini F, Guidi GC, Lippi G. Epigenetic alteration: new insights moving from tissue to plasma - the example of PCDH10 promoter methylation in colorectal cancer.. *Br J Cancer* 2013 Jul 9. doi: 10.1038/bjc.2013.351. (IF 5.082)
16. De Matteis G, Veneri D, Aprili F, **Benati M**, Paviati E, Guidi GC, Pizzolo G, Tecchio C. A novel large-sized BCR-ABL transcript in a case of chronic myeloid leukaemia characterised by a favourable clinical course. *Ann Hematol* 2013;92:413-5. (IF 2.866)
17. Veneri D, Tecchio C, De Matteis G, Paviati E, **Benati M**, Franchini M, Pizzolo G. On the persistence of the primitive chronic myeloid leukaemia cell in patients in complete molecular response. *Blood Transfus* 2012;10:560. (IF 1.858)
18. Veneri D, Tecchio C, De Matteis G, Paviati E, **Benati M**, Franchini M, Pizzolo G. Long-term persistence of molecular response after discontinuation of interferon-alpha in two patients with chronic myeloid leukaemia. *Blood Transfus* 2012;10:233-4. (IF 1.858)
19. Veneri D, Capuzzo E, de Matteis G, Franchini M, Baritono E, **Benati M**, Solero GP, Ambrosetti A, Quaresmini G, Pizzolo G. Comparison of JAK2 V617F mutation assessment employing different molecular diagnostic techniques. *Blood Transfus* 2009;7:204-9. (IF 1.858)

Awards and Honors:

2015: Winner of the best poster award at the National congress of The Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC)