



UNIVERSITÀ DEGLI STUDI DI MILANO

DIPARTIMENTO DI
SCIENZE BIOMEDICHE PER LA SALUTE

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List of Publications to date of Dr Elena Vianello, Assistant Professor in Clinical Pathology at University of Milan “LA STATALE”

1: **Vianello E**, Kalousová M, Dozio E, Tacchini L, Zima T, Corsi Romanelli MM. Osteopontin: The Molecular Bridge between Fat and Cardiac-Renal Disorders. *Int J Mol Sci.* 2020 Aug 4;21(15):5568. doi: 10.3390/ijms21155568. PMID: 32759639; PMCID: PMC7432729.

2: **Vianello E**, Dozio E, Tacchini L, Frati L, Corsi Romanelli MM. ST2/IL-33 signaling in cardiac fibrosis. *Int J Biochem Cell Biol.* 2019 Nov;116:105619. doi: 10.1016/j.biocel.2019.105619. Epub 2019 Sep 24. PMID: 31561019.

3: Dozio E, Passeri E, **Vianello E**, Palmieri S, Eller-Vainicher C, Corsi Romanelli M, Corbetta S. Circulating IL-17A Levels in Postmenopausal Women with Primary Hyperparathyroidism. *Mediators Inflamm.* 2020 Jan 17;2020:3417329. doi: 10.1155/2020/3417329. PMID: 32256191; PMCID: PMC7099202.

4: Dozio E, **Vianello E**, Sitzia C, Ambrogi F, Benedini S, Gorini S, Rampoldi B, Rigolini R, Tacchini L, Romanelli MMC. Circulating Irisin and esRAGE as Early Biomarkers of Decline of Metabolic Health. *J Clin Med.* 2020 Feb 6;9(2):454. doi: 10.3390/jcm9020454. PMID: 32041319; PMCID: PMC7074501.

5: Dozio E, Ruscica M, **Vianello E**, Macchi C, Sitzia C, Schmitz G, Tacchini L, Corsi Romanelli MM. PCSK9 Expression in Epicardial Adipose Tissue: Molecular Association with Local Tissue Inflammation. *Mediators Inflamm.* 2020 Jun 4;2020:1348913. doi: 10.1155/2020/1348913. PMID: 32565719; PMCID: PMC7292972.



6: Sitzia C, Sterlicchio M, Crapanzano C, Dozio E, [Vianello E](#), Corsi Romanelli MM. Intra-erythrocytes magnesium deficiency could reflect cognitive impairment status due to vascular disease: a pilot study. *J Transl Med.* 2020 Dec 3;18(1):458. doi: 10.1186/s12967-020-02645-w. PMID: 33272305; PMCID: PMC7712606.

7: [Vianello E](#), Marrocco-Trischitta Massimiliano M, Dozio E, Bandera F, Tacchini L, Canciani E, Dellavia C, Schmitz G, Lorenzo M, Corsi Romanelli Massimiliano M. Correlational study on altered epicardial adipose tissue as a stratification risk factor for valve disease progression through IL-13 signaling. *J Mol Cell Cardiol.* 2019 Jul;132:210-218. doi: 10.1016/j.yjmcc.2019.05.012. Epub 2019 May 15. Erratum in: *J Mol Cell Cardiol.* 2019 Aug;133:112. PMID: 31102584.

8: Dozio E, [Vianello E](#), Bandera F, Longhi E, Brizzola S, Nebuloni M, Corsi Romanelli MM. Soluble Receptor for Advanced Glycation End Products: A Protective Molecule against Intramyocardial Lipid Accumulation in Obese Zucker Rats? *Mediators Inflamm.* 2019 Feb 28;2019:2712376. doi: 10.1155/2019/2712376. PMID: 30944546; PMCID: PMC6421753.

9: [Vianello E](#), Dozio E, Bandera F, Frolidi M, Micaglio E, Lamont J, Tacchini L, Schmitz G, Corsi Romanelli MM. Correlative Study on Impaired Prostaglandin E2 Regulation in Epicardial Adipose Tissue and its Role in Maladaptive Cardiac Remodeling via EPAC2 and ST2 Signaling in Overweight Cardiovascular Disease Subjects. *Int J Mol Sci.* 2020 Jan 14;21(2):520. doi: 10.3390/ijms21020520. PMID: 31947646; PMCID: PMC7014202.

10: Dozio E, Corradi V, Proglia M, [Vianello E](#), Menicanti L, Rigolini R, Caprara C, de Cal M, Corsi Romanelli MM, Ronco C. Usefulness of glycated albumin as a biomarker for glucose control and prognostic factor in chronic kidney disease patients on dialysis (CKD-G5D). *Diabetes Res Clin Pract.* 2018 Jun;140:9-17. doi: 10.1016/j.diabres.2018.03.017. Epub 2018 Mar 26. PMID: 29596954.

11: Dozio E*, [Vianello E*](#), Malavazos AE, Tacchini L, Schmitz G, Iacobellis G, Corsi Romanelli MM. Epicardial adipose tissue GLP-1 receptor is associated with genes involved in fatty acid oxidation and



white-to-brown fat differentiation: A target to modulate cardiovascular risk? *Int J Cardiol.* 2019 Oct 1;292:218-224. doi: 10.1016/j.ijcard.2019.04.039. Epub 2019 Apr 15. PMID: 31023563.

*equally contributed

12: **Vianello E**, Dozio E, Bandera F, Schmitz G, Nebuloni M, Longhi E, Tacchini L, Guazzi M, Corsi Romanelli MM. Dysfunctional EAT thickness may promote maladaptive heart remodeling in CVD patients through the ST2-IL33 system, directly related to EPAC protein expression. *Sci Rep.* 2019 Jul 17;9(1):10331. doi: 10.1038/s41598-019-46676-w. Erratum in: *Sci Rep.* 2020 Jan 21;10(1):1182. PMID: 31316160; PMCID: PMC6637132.

13: Galliera E, Marazzi MG, **Vianello E**, Drago L, Luzzati A, Bendinelli P, Maroni P, Tacchini L, Desiderio MA, Corsi Romanelli MM. Circulating sRAGE in the diagnosis of osteolytic bone metastasis. *J Biol Regul Homeost Agents.* 2016 Oct- Dec;30(4):1203-1208. PMID: 28078875.

14: Rampoldi B, Tessarolo S, Giubbilini P, Gaia P, Corino SD, Mazza S, Rigolini R, Poli MD, **Vianello E**, Romanelli MMC, Costa E. Neutrophil gelatinase-associated lipocalin and acute kidney injury in endovascular aneurysm repair or open aortic repair: a pilot study. *Biochem Med (Zagreb).* 2018 Feb 15;28(1):010904. doi:10.11613/BM.2018.010904. Epub 2018 Jan 10. PMID: 29472806; PMCID: PMC5806618.

15: Dozio E, **Vianello E**, Grossi E, Menicanti L, Schmitz G, Corsi Romanelli MM. Plasma fatty acid profile as biomarker of coronary artery disease: a pilot study using fourth generation artificial neural networks. *J Biol Regul Homeost Agents.* 2018 Jul-Aug;32(4):1007-1013. PMID: 30043586.

16: Dozio E, Ambroggi F, de Cal M, **Vianello E**, Ronco C, Corsi Romanelli MM. Role of the Soluble Receptor for Advanced Glycation End Products (sRAGE) as a Prognostic Factor for Mortality in Hemodialysis and Peritoneal Dialysis Patients. *Mediators Inflamm.* 2018 Oct 15;2018:1347432. doi: 10.1155/2018/1347432. PMID: 30410419; PMCID: PMC6205103.



17: Marazzi MG, Galliera E, [Vianello E](#), Dozio E, Stella A, Tettamanti G, Tacchini L, Corsi Romanelli MM. Hypertension in adult Fabry's disease: is cardiotrophin-1 a diagnostic biomarker? *Immun Ageing*. 2014 Dec 20;11(1):27. doi: 10.1186/s12979-014-0027-3. PMID: 25598833; PMCID: PMC4296686.

18: [Vianello E](#), Dozio E, Barassi A, Sammarco G, Tacchini L, Marrocco-Trischitta MM, Trimarchi S, Corsi Romanelli MM. A pilot observational study on magnesium and calcium imbalance in elderly patients with acute aortic dissection. *Immun Ageing*. 2017 Jan 5;14:1. doi: 10.1186/s12979-016-0083-y. PMID: 28070203; PMCID: PMC5217585.

19: 4° JOINT MEETING OF PATHOLOGY AND LABORATORY MEDICINE SIPMET–SIPMEL – SECOND JOINT MEETING IN COLLABORATION WITH ASIP–AMP–UEMS–WASPALM - 4° SIPMEL NATIONAL CONGRESS - 34° SIPMET NATIONAL CONGRESS - 4° CONGRESS OF PATHOLOGY AND LABORATORY MEDICINE, [Vianello E](#), Dozio E, Brizzola S, Acocella F, Tacchini L, Corsi Romanelli MM. ST2 fibro-citokine and IL-33 alarmin protein are expressed in obese fa/fa- Zucker rat model and correlated with pro-fibrotic gene pathways. *J Biol Regul Homeost Agents*. 2018 Jul-Aug;32(4 Suppl. 1):35. PMID: 30810008.

20: [Vianello E](#), Dozio E, Barassi A, Tacchini L, Lamont J, Trimarchi S, Marrocco-Trischitta MM, Corsi Romanelli MM. Vitamin D Deficiency Is Associated with Increased Osteocalcin Levels in Acute Aortic Dissection: A Pilot Study on Elderly Patients. *Mediators Inflamm*. 2017;2017:6412531. doi:10.1155/2017/6412531. Epub 2017 Jul 2. PMID: 28751822; PMCID: PMC5511647.

21: [Vianello E](#), Dozio E, Arnaboldi F, Marazzi MG, Martinelli C, Lamont J, Tacchini L, Sigrüner A, Schmitz G, Corsi Romanelli MM. Epicardial adipocyte hypertrophy: Association with M1-polarization and toll-like receptor pathways in coronary artery disease patients. *Nutr Metab Cardiovasc Dis*. 2016 Mar;26(3):246-53. doi: 10.1016/j.numecd.2015.12.005. Epub 2016 Jan 4. PMID: 26841679.

22: Pastorelli L, Dozio E, Pisani LF, Boscolo-Anzoletti M, [Vianello E](#), Munizio N, Spina L, Tontini GE, Peyvandi F, Corsi Romanelli MM, Vecchi M. Procoagulatory state in inflammatory bowel diseases is promoted by impaired intestinal barrier function. *Gastroenterol Res Pract*. 2015;2015:189341. doi: 10.1155/2015/189341. Epub 2015 Feb 12. PMID: 25767508; PMCID: PMC4342066.



23: Corsi MM, Massaccesi L, Dogliotti G, [Vianello E](#), Agrifoglio M, Palumbo F, Goi G. O-beta-N-acetyl-D-glucosaminidase in erythrocytes of Italian air force acrobatic pilots. *Clin Chem Lab Med*. 2010 Feb;48(2):213-6. doi: 10.1515/CCLM.2010.051. PMID: 20001851.

24: Canciani E, Dellavia C, Marazzi MG, Augusti D, Carmagnola D, [Vianello E](#), Canullo L, Galliera E. RNA isolation from alveolar bone and gene expression analysis of RANK, RANKL and OPG: A new tool to monitor bone remodeling and healing in different bone substitutes used for prosthetic rehabilitation. *Arch Oral Biol*. 2017 Aug;80:56-61. doi: 10.1016/j.archoralbio.2017.03.011. Epub 2017 Mar 28. PMID: 28384521.

25: Dozio E, Corradi V, [Vianello E](#), Scalzotto E, de Cal M, Corsi Romanelli MM, Ronco C. Increased Levels of sRAGE in Diabetic CKD-G5D Patients: A Potential Protective Mechanism against AGE-Related Upregulation of Fibroblast Growth Factor 23 and Inflammation. *Mediators Inflamm*. 2017;2017:9845175. doi: 10.1155/2017/9845175. Epub 2017 Sep 25. PMID: 29147074; PMCID: PMC5632909.

26: Benedini S, Dozio E, Invernizzi PL, [Vianello E](#), Banfi G, Terruzzi I, Luzi L, Corsi Romanelli MM. Irisin: A Potential Link between Physical Exercise and Metabolism-An Observational Study in Differently Trained Subjects, from Elite Athletes to Sedentary People. *J Diabetes Res*. 2017;2017:1039161. doi: 10.1155/2017/1039161. Epub 2017 Mar 13. PMID: 28386566; PMCID: PMC5366762.

27: Galliera E, Lombardi G, Marazzi MG, Grasso D, [Vianello E](#), Pozzoni R, Banfi G, Corsi Romanelli MM. Acute exercise in elite rugby players increases the circulating level of the cardiovascular biomarker GDF-15. *Scand J Clin Lab Invest*. 2014 Sep;74(6):492-9. doi:10.3109/00365513.2014.905697. Epub 2014 May5. PMID: 24792369.

28: Dozio E, Briganti S, [Vianello E](#), Dogliotti G, Barassi A, Malavazos AE, Ermetici F, Morricone L, Sigrüener A, Schmitz G, Corsi Romanelli MM. Epicardial adipose tissue inflammation is related to



vitamin D deficiency in patients affected by coronary artery disease. *Nutr Metab Cardiovasc Dis.* 2015 Mar;25(3):267-73. doi: 10.1016/j.numecd.2014.08.012. Epub 2014 Sep 19. PMID: 25315671.

29: Dozio E, Briganti S, Delnevo A, **Vianello E**, Ermetici F, Secchi F, Sardanelli F, Morricone L, Malavazos AE, Corsi Romanelli MM. Relationship between soluble receptor for advanced glycation end products (sRAGE), body composition and fat distribution in healthy women. *Eur J Nutr.* 2017 Dec;56(8):2557-2564. doi: 10.1007/s00394-016-1291-0. Epub 2016 Aug 13. PMID: 27522371.

30: Dozio E, **Vianello E**, Briganti S, Fink B, Malavazos AE, Scognamiglio ET, Dogliotti G, Sigrüener A, Schmitz G, Corsi Romanelli MM. Increased reactive oxygen species production in epicardial adipose tissues from coronary artery disease patients is associated with brown-to-white adipocyte trans-differentiation. *Int J Cardiol.* 2014 Jun 15;174(2):413-4. doi:10.1016/j.ijcard.2014.04.045. Epub 2014 Apr 15. PMID: 24768377.

31: Lombardi G, Corsetti R, Lanteri P, Grasso D, **Vianello E**, Marazzi MG, Graziani R, Colombini A, Galliera E, Corsi Romanelli MM, Banfi G. Reciprocal regulation of calcium-/phosphate-regulating hormones in cyclists during the Giro d'Italia 3-week stage race. *Scand J Med Sci Sports.* 2014 Oct;24(5):779-87. doi:10.1111/sms.12080. Epub 2013 May 7. PMID: 23647316.

32: Dozio E, **Vianello E**, Briganti S, Lamont J, Tacchini L, Schmitz G, Corsi Romanelli MM. Expression of the Receptor for Advanced Glycation End Products in Epicardial Fat: Link with Tissue Thickness and Local Insulin Resistance in Coronary Artery Disease. *J Diabetes Res.* 2016;2016:2327341. doi: 10.1155/2016/2327341. Epub 2015 Dec 14. PMID: 26788516; PMCID: PMC4691615.

33: **Vianello E**, Dozio E, Rigolini R, Marrocco-Trischitta MM, Tacchini L, Trimarchi S, Corsi Romanelli MM. Acute phase of aortic dissection: a pilot study on CD40L, MPO, and MMP-1, -2, 9 and TIMP-1 circulating levels in elderly patients. *Immun Ageing.* 2016 Mar 22;13:9. doi: 10.1186/s12979-016-0063-2. PMID:27006681; PMCID: PMC4802618.



34: **Vianello E**, Dogliotti G, Dozio E, Corsi Romanelli MM. Low heart-type fatty acid binding protein level during aging may protect down syndrome people against atherosclerosis. *Immun Ageing*. 2013 Jan 22;10(1):2. doi: 10.1186/1742-4933-10-2. PMID: 23339583; PMCID: PMC3575247.

35: de Girolamo L, Stanco D, Galliera E, Viganò M, Colombini A, Setti S, **Vianello E**, Corsi Romanelli MM, Sansone V. Low frequency pulsed electromagnetic field affects proliferation, tissue-specific gene expression, and cytokines release of human tendon cells. *Cell Biochem Biophys*. 2013 Jul;66(3):697-708. doi: 10.1007/s12013-013-9514-y. PMID: 23345006.

36: Dozio E, Malavazos AE, **Vianello E**, Briganti S, Dogliotti G, Bandera F, Giacomazzi F, Castelvechio S, Menicanti L, Sigrüener A, Schmitz G, Corsi Romanelli MM. Interleukin-15 and soluble interleukin-15 receptor α in coronary artery disease patients: association with epicardial fat and indices of adipose tissue distribution. *PLoS One*. 2014 Mar 6;9(3):e90960. doi: 10.1371/journal.pone.0090960. PMID: 24603895; PMCID: PMC3948349.

37: De Paola M, Visconti L, **Vianello E**, Mattana F, Banfi G, Corsi MM, Beghi E, Mennini T. Circulating cytokines and growth factors in professional soccer players: correlation with in vitro-induced motor neuron death. *Eur J Neurol*. 2011 Jan;18(1):85-92. doi: 10.1111/j.1468-1331.2010.03067.x. PMID: 20482603.

38: Dozio E, Dogliotti G, Malavazos AE, Bandera F, Cassetti G, **Vianello E**, Zelaschi R, Barassi A, Pellissero G, Solimene U, Morricone L, Sigrüener A, Tarabin V, Schmitz G, Menicanti L, Corsi Romanelli MM. IL-18 level in patients undergoing coronary artery bypass grafting surgery or valve replacement: which link with epicardial fat depot? *Int J Immunopathol Pharmacol*. 2012 Oct-Dec;25(4):1011-20. doi: 10.1177/039463201202500418. PMID: 23298491.

39: Drago L, Mattina R, Legnani D, Romano CL, **Vianello E**, Ricci C, De Vecchi E. Modulation of biofilm of strains isolated from patients with chronic obstructive pulmonary disease by levofloxacin, moxifloxacin, ciprofloxacin, amoxicillin/clavulanic acid and ceftriaxone. *Int J Immunopathol Pharmacol*. 2011 Oct-Dec;24(4):1027-35. doi: 10.1177/039463201102400420. PMID: 22230408.



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40: Lovati AB*, Vianello E*, Talò G, Recordati C, Bonizzi L, Galliera E, Broggin M, Moretti M. Biodegradable microcarriers as cell delivery vehicle for in vivo transplantation and magnetic resonance monitoring. *J Biol Regul Homeost Agents*. 2011 Apr-Jun;25(2 Suppl):S63-74. PMID: 22051172.

*equally contributed

41: Dozio E, Barassi A, Marazzi MG, Vianello E, Colpi GM, Solimene U, Melzi D'Eril GL, Corsi Romanelli MM. Plasma myeloperoxidase in patients with erectile dysfunction of arteriogenic- and non-arteriogenic origin: association with markers of endothelial dysfunction. *J Biol Regul Homeost Agents*. 2013 Jul- Sep;27(3):749-55. PMID: 24152842.

42: Dogliotti G, Galliera E, Dozio E, Vianello E, Villa RE, Licastro F, Barajon I, Corsi MM. Okadaic acid induces apoptosis in Down syndrome fibroblasts. *Toxicol In Vitro*. 2010 Apr;24(3):815-21. doi: 10.1016/j.tiv.2009.12.012. Epub 2009 Dec 13. PMID: 20006980.

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Signature