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| EuropassCurriculum Vitae |   |
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| Personal information |  |
| First name(s) / Surname(s)  | Antonio Paolo Beltrami |
| Address(es) | Via della Coda,16, 33100 Pagnacco (UD) |
| Telephone(s) | +390432552406 |  |  |
| E-mail | antonio.beltrami@uniud.it |
|  |  |
| Nationality | Italian |
|  |  |
| Place and date of birth | Bologna (Italy), January, 25th 1973 |
|  |  |
| Gender | Male |
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| Occupational field |  Associate Professor of Clinical Pathology |
|  |  |
| Work experience |  |
| Dates | 2022-now  |
| Occupation or position held | Associate Professor |
| Main activities and responsibilities | Research and Teaching |
| Name and address of employer | *Università degli Studi di Udine,**Since January 2010: Dipartimento di Scienze Mediche e Biologiche* *2008-2010: Dipartimento Ricerche Mediche e Morfologiche**P.le Kolbe, 4 -33100 Udine* |
| Type of business or sector | Public Research |
|  |  |
|  |  |
| Dates | 2008-2022  |
| Occupation or position held | Assistant Professor |
| Main activities and responsibilities | Research and Teaching |
| Name and address of employer | *Università degli Studi di Udine,**Since January 2010: Dipartimento di Scienze Mediche e Biologiche* *2008-2010: Dipartimento Ricerche Mediche e Morfologiche**P.le Kolbe, 4 -33100 Udine* |
| Type of business or sector | Public Research |
|  |  |
| Dates | 2021-now  |
| Occupation or position held | Attending Physician in Analytical Pathology |
| Main activities and responsibilities | Clinical Pathology |
| Name and address of employer | *Azienda Sanitaria Universitaria Friuli Centrale,**Istituto di Patologia Clinica**Presidio Ospedaliero “S. Maria della Misericordia” -33100 Udine* |
| Type of business or sector | Diagnostics |
|  |  |
| Dates | 2006-2008  |
| Occupation or position held | Post-doctorate Fellow |
| Main activities and responsibilities | Research |
| Name and address of employer | *Università degli Studi di Udine,**Dipartimento Ricerche Mediche e Morfologiche**P.le Kolbe, 4 -33100 Udine* |
| Type of business or sector | Public Research |
|  |  |
| Education and training |  |
| Dates | 2020-2021  |
| Title of qualification awarded | II Degree Master in Cardiovascular Pathology |
| Principal subjects/occupational skills covered | Laboratory testing in Cardiovasculat PathologyDiagnostics and Research |
| Name and type of organisation providing education and training | *Università degli Studi di Padova,*Department of Cardiac, Thoracic, Vascular Sciences and Public Health |
|  |  |
| Dates | 2002-2006  |
| Title of qualification awarded | Residency in Hematology; Final grade: 70/70 with honors |
| Principal subjects/occupational skills covered | Laboratory testing in hematologyResearch |
| Name and type of organisation providing education and training | *Università degli Studi di Udine,**Dipartimento Ricerche Mediche e Morfologiche**P.le Kolbe, 4 -33100 Udine* |
|  |  |
| Dates | 2000-2003 |
| Title of qualification awarded | PhD Student in “Clinical Sciences and Technologies” |
| Principal subjects/occupational skills covered | Stem cell biologyHistologyImmunofluorescenceConfocal microscopyFlow-cytometryCell SortingCell CloningRetroviral based gene transferCardiovascular physiology |
| Name and type of organisation providing education and training | *Università degli Studi di Udine, Dipartimento di Patologia Medicina Sperimentale e Clinica, p.le S. Maria della Misericordia, 33100 Udine;**New York Medical College, Cardiovascular Research Insititute, Vosburgh Pavillion 302 A, Valhalla, NY 10595* |
|  |  |
| Dates | 1991-1999 |
| Title of qualification awarded | Medical Doctor; Final grade: 110/110 with honors |
| Principal subjects/occupational skills covered | Human Biology, Anatomy, Physiology, Pathology, Medical Therapy, and Surgical Therapy. |
| Name and type of organisation providing education and training | *Facoltà di Medicina e Chirurgia, Università degli Studi di Udine, Via Colugna, 50 - 33100 UDINE* |
|  |  |
| Dates | 1989-1991 |
| Title of qualification awarded | Maturità Scientifica |
| Principal subjects/occupational skills covered | Italian grammar and literature, Latin grammar and literature, English grammar and literature, History, Mathematics, Chemistry, Biology, Art history. |
| Name and type of organisation providing education and training | Liceo Scientifico N. Copernico, viale Ungheria, 33100 Udine |
|  |  |
| Dates | 1986-1989 |
| Title of qualification awarded | Liceo Scientifico (moved to Udine and continued there) |
| Principal subjects/occupational skills covered | Italian grammar and literature, Latin grammar and literature, English grammar and literature, History, Mathematics, Chemistry, Biology, Art history. |
| Name and type of organisation providing education and training | Liceo Scientifico G. Galilei, viale Ungheria, 33100 Udine, Via Brecce Bianche, 72 - 60131 Ancona |
| Fellowships and awards |  |
| Date | 1996 |
| Award | ERASMUS grant; Universidad Autonoma de Madrid, Spain |
| Date | 1999 |
| Award | MD; Graduation with honors (final vote: 110/100 cum laude). |
| Date | 2006 |
| Award | Specialization in hematology with honors (final vote: 70/70 cum laude). |
| Date | 2004 |
| Award | National Innovation Prize received from a federation of Italian Universities as a co-founder of a Spin-off of the University of Udine named “Tissue and Organ Replacement”- T.O.R. |
| Date | 2004 |
| Award | StartCup Award received from the University of Udine and “Fondazione Cassa di Risparmio di Udine e Pordenone” (Italy) as a co-founder of a Spin-off of the University of Udine named “Tissue and Organ Replacement”- T.O.R. |
| Date | 2000-2003 |
| Award | Research Scholarship, Cardiovascular Research Institute, Department of Medicine, New York Medical College, Valhalla (NY), USA |
| Dates | 2006-2008  |
| Award | Post-doctoral fellowship, Interdepartmental Centre for Regenerative Medicine, University of Udine, Italy |
| Date | 2014 |
| Award | Professional qualification to Associate Professor in Surgical Pathology awarded by the Italian Ministry for University and Research (MIUR) |
| Date | 2016 |
| Award | Best Poster Award, European Society of Cardiology annual meeting, Rome |
| Date | 2017 |
| Award | Travel Grant from the Italian Society for Cardiovascular Research (SIRC). |
| Date | 2018 |
| Award | Professional qualification to Associate Professor in Surgical Pathology, Pathology, and Sciences of Health Professions and Medical technologies; professional qualification to Full professor in Sciences of Health Professions and Medical technologies awarded by the Italian Ministry for University and Research (MIUR) |
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| Mother tongue(s) | Italian |
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|  | English |
| • Reading skills | Excellent |
| • Writing skills | Excellent |
| • Verbal skills | Excellent |
|  |  |
|  | Spanish |
| • Reading skills | Good |
| • Writing skills | Basic |
| • Verbal skills | Good |
| Social skillsand competences [ Describe these competences and indicate where they were acquired. ] | I developed the ability to interact with other people in a multicultural environment working for three years in a multicultural laboratory (Cardiovascular Research Institute at New York Medical College), performing research as a team. |
| Organisational skills and competences *.* | I participated in projecting, writing, and managing the following grants;a. Italian Ministry of the University and Research Project: PRIN 2004 pr.2004061130 (P.I. Carlo Alberto Beltrami); 2004-2006. Title: “Study on the role played by cells and microenvironment in regenerative medicine and cell therapy”.b. Italian Ministry of the Health: P.R.F. 10/04 (P.I. Carlo Alberto Beltrami); 2004-2006. Title: “Identification, characterization, in vitro growth and therapeutical utilization of human multipotent mesenchymal cells”c. Italian Association for the Cancer Research (AIRC): Regional Grant 2005 pr.1023 (P.I. Antonio Amoroso); 2005-2007. Title: “New approaches for studying genetics, early molecular diagnosis and prognostic factors relevant for HCC”d. Friuli Venezia Giulia Regional Grant: Art.11 L.R. 11/2003 (P.I. Carlo Alberto Beltrami); 2006-2008. Title: “Stem cell characterization and utilization, through tissue engineering technologies, in human therapy.”e. Italian Ministry of the University and Research Project: PRIN 2006 pr. 2006060854 (P.I. Carlo Alberto Beltrami); 2006-2008. Title:“Cellule staminali mesenchimali (MSC) e cellule staminali mesenchimali pluripotenti dell'adulto (PMSC): biologia, immunomodulazione dei trapianti e ingegneria tissutale”.f. Department of Health, Regione FVG: “*Therapeutic use of Multipotent Adult Stem Cells”* 2008-2009g. Italian Ministry of the Health: “Giovani Ricercatori”. *Impiego di cellule staminali multipotenti dell’adulto da tessuto adipose per la rigenerazione cardiovascolare.* GR-2007-683407 (P.I. Daniela Cesselli). 2008-2011.h. Collaborator of the ERC advanced grant “MOlecular NAnotechnology for LIfe Science Applications: QUantitative Interactomics for Diagnostics, PROteomics and QUantitative Oncology”. P.I. Prof. Scoles.i. Project Partner of a project financed by the Italian Ministry of the University and Research: FIRB accordi di programma 2011 pr. RBAP11ETKA\_007 “Nanotechnological approaches for tumor theragnostic”. Coordinator: Maurizio Prato.j. Project Partner of a cross-border cooperation program Italy-Slovenia 2007-2013 funded by the European Regional Development fund and national funds. Project title: “The cross-border proteins centre for cancer, diagnostic and research”. Acronym: PROTEO.k. Project Partner of a cross-border cooperation program Italy-Slovenia 2007-2013 funded by the European Regional Development fund and national funds. Project title: “Identificazione di nuovi marcatori di cellule staminali tumorali a scopo diagnostico e terapeutico”. Acronym: GLIOMA.l. Project Partner of a cross-border cooperation program Italy-Austria 2014-2020 funded by the European Regional Development fund and national funds. Project acronym: “EXOTHERA”.m. Coordinator of a Research Unit of a project financed by CARIPLO foundation. Project title “BPIFB4 isoforms: possible genetic risk factor and therapeutic tool for human frailty”.n. Project Partner of a cross-border cooperation program Italy-Slovenia 2014-2020 funded by the European Regional Development fund and national funds. Project acronym: “TRANSGLIOMA”.o. **Principal Investigator** of a Regional Grant (Bando 2017 per la concessione di contributi per la ricerca clinica, traslazionale, di base, epidemiologica e organizzativa, art. 15, comma 2, lett. b), legge regionale 17/2014) entitled: “Heart failure as the Alzheimer disease of the heart; therapeutic and diagnostic opportunities”. |
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| Technical skills and competences | Cardiac histology, histochemistry, and morphometry.Immunofluorescence and confocal microscopy.Isolation of cardiomyocytes from rat, dog, and from human hearts.Isolation and growth of cardiac stem cells from mouse, rat, dog, and human hearts.Flow cytometry and flow sorting (FACS).Cell based assays (e.g. migration, invasion, differentiation, proliferation, viability).Retroviral-based gene transfer.Molecular biology analytical techniques for nucleic acids and proteins.Statistical analysis. |
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| Computer skills and competences | Good abilty both in Windows based and MacOS based environments. Good knowledge of:* Office and iWorks software,
* flow cytometry software (i.e. Summit and FlowJo),
* statistical software (Prism, JMP, SPSS),
* image analysis software (ImageJ),
* image editing (Photoshop)
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| Driving licence | Italian type “B” driving licence (for cars and vehicles whose total weight is less than 3.5 tons). |
| Teaching activities |  |
| Supervision of undergraduate students and post-doctoral fellows | 2004 – 2014 9 Postdocs (Natascha Bergamin, Federica D’Aurizio, Patrizia Marcon, Silvia Rigo, Angela Caragnano, Barbara Toffoletto, Ivana Manini, Emmanouil Athanasakis, and Claudia Veneziano) and 8 PhD students (Silvia Rigo, Giuseppe Gianfranceschi, Elisa Avolio, Elisa Mazzega, Angela Caragnano, Alessandra Poz, Andrea Zanello, and Celeste Cervellin), Department of Medical and Morphological Sciences (until 2009), Department of Medical and Biological Sciences (2009-2016), Department of Medicine (2017-now), University of Udine, Italy. |
| Master degree courses | 2009/2010; 2018 MSc in Stem cells and Regeneration programme of the University of Bristol, UK; taught module “Stem Cells in Cardiac and Skeletal Systems”. |
|  | 2012; 2014-2017 Hematopoietic stem cells and regenerative medicine, University of Parma, Italy.2017, 2018 Stem cells and regenerative medicine, University of Krems, Austria. |
| Lecturer | 2009 – 2011 1) Pathology, 2) Stem cell culture, and 3) Regenerative medicine courses, I and II level Biotechnology degree, University of Udine, Italy; Surgical Pathology, Laboratory technician degree, University of Udine, Italy.2011 – 2013 Surgical Pathology, Laboratory technician degree, University of Udine, Italy2011/2012 Stem cells, Excellence School “Scuola Superiore” of the University of Udine.2012 – 2014 1) Stem cells and regenerative medicine and 2) Molecular Diagnosis modules, I and II level Biotechnology degree, University of Udine, Italy, University of Udine, Italy.2015-2016 1) Stem cells and regenerative medicine and 2) Molecular Diagnosis modules, I and II level Biotechnology degree, University of Udine, Italy. 3) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine, University of Udine, Italy.2016-2017 1) Disease models, 2) Stem cells and regenerative medicine and 3) Molecular Diagnosis modules, I and II level Biotechnology degrees, University of Udine, Italy. 3) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine, University of Udine, Italy.2017-2018 1) Disease models, 2) Molecular Diagnosis courses, I and II level Biotechnology modules, University of Udine, Italy. 3) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine, University of Udine, Italy.2018-2019 1) Disease models, 2) Molecular Diagnosis courses, I and II level Biotechnology modules, University of Udine, Italy. 3) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine, University of Udine, Italy.2019-2020; 2020-2021; 2021-2022 1) Disease models, II level Biotechnology modules, University of Udine, Italy. 2) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine, University of Udine, Italy.2022-2023 1) Cardiovascular Pathology, Anatomical Pathology, Faculty of Medicine. 2) Clinical Pathology; Nurse School, University of Udine, Italy, 3) Immunohematology and coagulation, Laboratory technician degree, University of Udine, Italy, 4) Clinical Pathology; Obstetrics degree, University of Udine, Italy |
| Institutional responsibilities |  |
| Dates | 2008-2016  |
|  | Faculty member, Department of Medical and Biological Sciences, University of Udine, Italy.Member of the committee for the didactics of the II degree level of Biotechnology. |
| Dates | 2017-now |
|  | Faculty member, PhD School in “Food and human health”, University of Udine, Italy. |
| Dates | 2017-now |
|  | Faculty member, Department of Medicine, University of Udine, Italy. |
| Dates | 2023-now |
|  | Faculty member, PhD School in “Molecular Medicine”, University of Udine, Italy. |
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| **Additional information** |  |
| Participation to Spin-off | 2004: Co-founder of “Tissue and Organ Replacement” -T.O.R.-  |
| Organization of Scientific Meetings | 2006: Faculty member of the Summer School “Advanced topics in molecular medicine”. Organized with: Consortium for Biomolecular Medicine (CBM) and AREA Science Park (Trieste, Italy) together with Central European Initiative / 20 International Students / Italy2003-14: Organizer of Biotechnology Seminars, Academic Hospital of Udine and University of Udine, Italy |
|  |  |
| Invited speaker | 2018: Cardiocentro Lugano2017: Italian Society for Cardiovascular Research (SIRC) XXI meeting, Imola, Italy.2017: European Society of Cardiology annual meeting, Barcelona, Spain.2016: Lugano Stem Cell Meeting, Switzerland.2016: The Company of Biologists workshop on “Transdifferentiation and Tissue Plasticity in Cardiovascular Rejuvenation”, Whiston House, Steining, West Sussex, UK.2015: National Congress of the Italian Society of Pharmacology, Naples2015: Smart meeting anesthesia resuscitation intensive care, Milan, Italy2013: German-Italian Centre for European Excellence; “Molecular and cellular regulators of cardiovascular homeostasis”, Villa Vigoni, Menaggio, Italy.2013: National Cardiology Congress ANMCO, Firenze2013: National Congress Italian Society of Pharmacology, Turin2013: National Congress Italian Society of Cardiology, Rome2012: Third Annual Robert and Arlene Kogod Center on Aging Conference: Senescence and Healthspan. Mayo Clinic, Rochester, MN, USA.2012: “Tissue Remodeling in Ageing and Disease - Emerging Insights into a Complex Pathology” Meeting organized by the partners of the EU funded RESOLVE project.2011: European Society of Cardiology workshop 'Cardiac Regeneration in Search of Cardiac Progenitors. Challenges of cell-based therapy for heart failure'.2011: Kickoff meeting of the “QUIDPROQUO” ERC Advanced Grant.2011: Adriatic Society of Pathology, Trieste.2010: Lugano Stem Cell Meeting, Switzerland2010: NATIONAL CONGRESS SIAPEC - IAP / Bologna2009: 22nd EUROPEAN CONGRESS OF PATHOLOGY and NATIONAL CONGRESS SIAPEC - IAP / Florence2009: Cellule staminali e medicina rigenerativa, Collegio Ghislieri, Pavia2008: National Cardiology Congress ANMCO, Firenze2008: Italian Society of Physiology National Congress, Cagliari2007: Società Italiana Trapianti d’Organo, Modena2007: Adriatic Society of Pathology, Ascoli Piceno2005: NATIONAL CONGRESS SIAPEC - IAP / Chieti |
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**PUBLICATIONS**

**H index: 37 (Scopus).**

**Google Scholar: https://scholar.google.it/citations?user=sH06n-gAAAAJ&hl=it**

**ResearcherID: https://publons.com/researcher/1628913/antonio-beltrami/**

**ORCID: orcid.org/0000-0002-0679-2710**

1. Gaetano C, Pesce M, Beltrami AP, Capogrossi MC: Editorial: Cardiovascular cell senescence in aging and disease. *Front Cardiovasc Med* **2023**, 10:1177395.
2. Quartuccio L, De Marchi G, Domenis R, Cabas N, Guella S, Paradiso A, Fabro C, Beltrami AP, De Vita S, Curcio F: Humoral and T-Cell Mediated Response after the Third Dose of mRNA Vaccines in Patients with Systemic Lupus Erythematosus on Belimumab. *J Clin Med* **2023**, 12(3).
3. Semeraro MD, Beltrami AP, Kharrat F, Almer G, Sedej S, Renner W, Gruber HJ, Curcio F, Herrmann M: The impact of moderate endurance exercise on cardiac telomeres and cardiovascular remodeling in obese rats. *Front Cardiovasc Med* **2022**, 9:1080077.
4. Cattaneo M, Beltrami AP, Thomas AC, Spinetti G, Alvino V, Avolio E, Veneziano C, Rolle IG, Sponga S, Sangalli E *et al*: The longevity-associated BPIFB4 gene supports cardiac function and vascularization in aging cardiomyopathy. *Cardiovascular research* **2023**.
5. Ambrosini S, Montecucco F, Kolijn D, Pedicino D, Akhmedov A, Mohammed SA, Herwig M, Gorica E, Szabo PL, Weber L *et al*: Methylation of the Hippo effector YAP by the methyltransferase SETD7 drives myocardial ischaemic injury: a translational study. *Cardiovascular research* **2023**, 118(17):3374-3385.
6. Malavolta, M. *et al.* Simple Detection of Unstained Live Senescent Cells with Imaging Flow Cytometry. *Cells* **11**, 2506 (**2022**).
7. Puca AA*, et al.* The Longevity-Associated Variant of BPIFB4 Reduces Senescence in Glioma Cells and in Patients' Lymphocytes Favoring Chemotherapy Efficacy. *Cells* 11, (**2022**).
8. Moretti R*, et al.* Common Shared Pathogenic Aspects of Small Vessels in Heart and Brain Disease. *Biomedicines* **10**, (2022).
9. Janjusevic M*, et al.* The peculiar role of vitamin D in the pathophysiology of cardiovascular and neurodegenerative diseases. *Life Sci* **289**, 120193 (**2022**).
10. Janjusevic M*, et al.* Old and Novel Therapeutic Approaches in the Management of Hyperglycemia, an Important Risk Factor for Atherosclerosis. *Int J Mol Sci* **23**, (**2022**).
11. Fabris M*, et al.* Cytokines from Bench to Bedside: A Retrospective Study Identifies a Definite Panel of Biomarkers to Early Assess the Risk of Negative Outcome in COVID-19 Patients. *Int J Mol Sci* **23**, (**2022**).
12. Fabris M*, et al.* High T-cell response rate after COVID-19 vaccination in belimumab and rituximab recipients. *J Autoimmun* **129**, 102827 (**2022**).
13. Da Col G*, et al.* Image Analysis of Circulating Tumor Cells and Leukocytes Predicts Survival and Metastatic Pattern in Breast Cancer Patients. *Front Oncol* **12**, 725318 (**2022**).
14. Rolle IG, Crivellari I, Zanello A, Mazzega E, Dalla E, Bulfoni M, Avolio E, Battistella A, Lazzarino M, Cellot A, Cervellin C, Sponga S, Livi U, Finato N, Sinagra G, Aleksova A, Cesselli D and Beltrami AP. Heart failure impairs the mechanotransduction propeties of human cardiac pericytes. *J Mol Cell Cardiol*. **2021**;151:15-30.
15. Avolio E, Mangialardi G, Slater SC, Alvino VV, Gu Y, Cathery W, Beltrami AP, Katare R, Heesom K and Caputo M. Secreted Protein Acidic and Cysteine Rich Matricellular Protein Is Enriched in the Bioactive Fraction of the Human Vascular Pericyte Secretome. *Antioxidants & Redox Signaling*. **2020**. doi:https://doi.org/10.1089/ars.2019.7969.
16. Sponga S, Bonetti A, Ferrara V, Beltrami AP, Isola M, Vendramin I, Finato N, Ortolani F and Livi U. Preservation by cold storage vs ex vivo normothermic perfusion of marginal donor hearts: clinical, histopathologic, and ultrastructural features. *J Heart Lung Transplant*. **2020**. doi: 10.1016/j.healun.2020.08.021
17. Aleksova, A.; Ferro, F.; Gagno, G.; Cappelletto, C.; Santon, D.; Rossi, M.; Ippolito, G.; Zumla, A.; Beltrami, A.P.; Sinagra, G. COVID-19 and renin-angiotensin system inhibition: role of angiotensin converting enzyme 2 (ACE2) - Is there any scientific evidence for controversy? *J Intern Med* **2020**, 10.1111/joim.13101, doi:10.1111/joim.13101.
18. Aleksova, A.; Ferro, F.; Gagno, G.; Padoan, L.; Saro, R.; Santon, D.; Stenner, E.; Barbati, G.; Cappelletto, C.; Rossi, M., et al. Diabetes Mellitus and Vitamin D Deficiency:Comparable Effect on Survival and a DeadlyAssociation after a Myocardial Infarction. *J Clin Med* **2020**, *9*, doi:10.3390/jcm9072127.
19. Dang Z, Avolio E, Thomas AC, Faulkner A, Beltrami AP, Cervellin C, Carrizzo A, Maciag A, Gu Y, Ciaglia E, Finato N, Damato A, Spinetti G, Alenzi A, Paisey SJ, Vecchione C, Puca AA and Madeddu P. Transfer of a human gene variant associated with exceptional longevity improves cardiac function in obese type 2 diabetic mice through induction of the SDF-1/CXCR4 signalling pathway. *Eur J Heart Fail*. 2020. **IF 2019**: 12.1
20. Gerratana L, Basile D, Toffoletto B, Bulfoni M, Zago S, Magini A, Lera M, Pelizzari G, Parisse P, Casalis L, Vitale MG, Fanotto V, Bonotto M, Caponnetto F, Bartoletti M, Lisanti C, Minisini AM, Emiliani C, Di Loreto C, Fasola G, Curcio F, Beltrami AP, Cesselli D and Puglisi F. Biologically driven cut-off definition of lymphocyte ratios in metastatic breast cancer and association with exosomal subpopulations and prognosis. *Sci Rep*. 2020;10:7010. **IF:** 4.0
21. Rolle IG, Crivellari I, Caragnano A, Cervellin C, Aleksova A, Cesselli D and Beltrami AP. Cell Senescence in Cardiac Repair and Failure. *Curr Stem Cell Res Ther*. 2020. **IF:** 2.6
22. Agrimi J, Spalletti C, Baroni C, Keceli G, Zhu G, Caragnano A, Matteucci M, Chelko S, Ramirez-Correa GA, Bedja D, Casieri V, Di Lascio N, Scalco A, Beltrami AP, Paolocci N, Caleo M and Lionetti V. Obese mice exposed to psychosocial stress display cardiac and hippocampal dysfunction associated with local brain-derived neurotrophic factor depletion. *EBioMedicine*. 2019;47:384-401. **IF:** 6.7
23. Aleksova A, Beltrami AP, Bevilacqua E*, et al.* Ghrelin Derangements in Idiopathic Dilated Cardiomyopathy: Impact of Myocardial Disease Duration and Left Ventricular Ejection Fraction. *J Clin Med* 2019; **8**. . **IF:** 5.7
24. Caragnano A, Aleksova A, Bulfoni M*, et al.* Autophagy and Inflammasome Activation in Dilated Cardiomyopathy. *J Clin Med* 2019; **8**. **IF:** 5.7
25. Cesselli D, Ius T, Isola M*, et al.* Application of an Artificial Intelligence Algorithm to Prognostically Stratify Grade II Gliomas. *Cancers (Basel)* 2019; **12**. **IF:** 6.2
26. Manini, I.; Ruaro, M.E.; Sgarra, R.; Bartolini, A.; Caponnetto, F.; Ius, T.; Skrap, M.; Di Loreto, C.; Beltrami, A.P.; Manfioletti, G., et al. Semaphorin-7A on Exosomes: A Promigratory Signal in the Glioma Microenvironment. *Cancers* 2019, *11*, 758. **IF**: 6.2
27. Spencer, H.L.; Jover, E.; Cathery, W.; Avolio, E.; Rodriguez-Arabaolaza, I.; Thomas, A.C.; Alvino, V.V.; Sala-Newby, G.; Dang, Z.; Fagnano, M., et al. Role of TPBG (Trophoblast Glycoprotein) Antigen in Human Pericyte Migratory and Angiogenic Activity. *Arterioscler Thromb Vasc Biol* 2019, 39, 1113-1124, doi:10.1161/ATVBAHA.119.312665. **IF:** 6.1
28. Gagno, G.; Padoan, L.; Stenner, E.; Beleu, A.; Ziberna, F.; Hiche, C.; Paldino, A.; Barbati, G.; Biolo, G.; Fiotti, N., et al. Galectin 3 and Galectin 3 Binding Protein Improve the Risk Stratification after Myocardial Infarction. *J Clin Med* 2019, 8, doi:10.3390/jcm8050570. **IF 2017:** 5.583
29. Aleksova, A.; Paldino, A.; Beltrami, A.P.; Padoan, L.; Iacoviello, M.; Sinagra, G.; Emdin, M.; Maisel, A.S. Cardiac Biomarkers in the Emergency Department: The Role of Soluble ST2 (sST2) in Acute Heart Failure and Acute Coronary Syndrome-There is Meat on the Bone. *J Clin Med* 2019, 8, doi:10.3390/jcm8020270. **IF:** 5.7
30. Cianflone, E.; Torella, M.; Chimenti, C.; De Angelis, A.; Beltrami, A.P.; Urbanek, K.; Rota, M.; Torella, D. Adult Cardiac Stem Cell Aging: A Reversible Stochastic Phenomenon? *Oxid Med Cell Longev* 2019, 2019, 5813147, doi:10.1155/2019/5813147.
31. Cesselli D, Parisse P, Aleksova A, Veneziano C, Cervellin C, Zanello A and Beltrami AP. Extracellular Vesicles: How Drug and Pathology Interfere With Their Biogenesis and Function. *Front Physiol*. 2018;9:1394. **IF:** 3.2
32. Beltrami AP and Spinetti G. Editorial: Mechanisms and Implications of the Aging of Cardiovascular Regenerative Cells. *Front Cardiovasc Med*. 2018;5:93.
33. Ius T, Cesselli D, Isola M, Toniato G, Pauletto G, Sciacca G, Fabbro S, Pegolo E, Rizzato S, Beltrami AP, di Loreto C and Skrap M. Combining Clinical and Molecular Data to Predict the Benefits of Carmustine Wafers in Newly Diagnosed High-Grade Gliomas. *Curr Treat Options Neurol*. 2018;20:3. **IF:** 2.6
34. Padoan L, Beltrami AP, Stenner E, Beleu A, Ruscio M, Sinagra G and Aleksova A. Left ventricular adverse remodeling after myocardial infarction and its association with vitamin D levels. *International journal of cardiology*. 2018. DOI: https://doi.org/10.1016/j.ijcard.2018.08.052 **IF:** 4.034
35. Beltrami AP and Spinetti G. Editorial: Mechanisms and Implications of the Aging of Cardiovascular Regenerative Cells. *Front Cardiovasc Med*. 2018;5:93.
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SELECTED ABSTRACTS:

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**“Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs. 196/2003 e del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali”**