

Tiziana Bonaldi, PhD
Curriculum Vitae

PERSONAL INFORMATION

Family name, first name: Bonaldi, Tiziana
Researcher unique identifier(s) 0000-0003-3556-1265 (ORCID ID); 6602996150 (Scopus ID)
Date of birth: 04 July 1973
Nationality: Italian
Status: Married, two children
URL for web site: <https://www.research.ieo.it/tiziana-bonaldi/>

EDUCATION

2003 PhD award of the Open University of London, program held at DiBit, University Vita Salute, San Raffaele Hospital (HSR), Milan, IT (PhD supervisors: Internal Prof. M.E. Bianchi; external Prof. B. Turner (University of Birmingham, UK))
1997 B. Sc. (Laurea) at the University of Milan, Italy- *Summa cum Laudae*

CURRENT POSITIONS

2020 Contract Professor Course Proteomics at the Master Course Biomedical Omics, University of Milan
2015 Tenured Group Leader at the Department of Experimental Oncology, European Institute of Oncology, IEO, IT
2014 MIUR (Italian Ministry of Schools, University and Research) National Scientific Qualification for the functions of Associate professor (Fascia 2) of the competition sector Biochemistry (05/E1, BIO/10), Molecular Biology (05/E2), Applied Biology (05/F1), Clinical Biochemistry (05/E1, BIO12) and Molecular Biology (05/E3). Valid until 2023.
Since 2015 Member the Scientific Directors Committee of SIBBM (Italian Society of Biophysics and molecular Biology, http://www.sibbm.org/home_.php)
2008 Faculty member of European School of Molecular Medicine (SEMM) PhD Program, Milan

PREVIOUS POSITIONS

2008 - 2014 Junior Group Leader (tenure-track) at the Department of Experimental Oncology, European Institute of Oncology, IT
2006 - 2008 Post-doctoral fellow at Department of Proteomics and Signal Transduction the Max Plank Institute of Biochemistry, Martinsried, DE (Head: Prof. Matthias Mann)
2003 - 2005 EMBO Long-Term Post-doctoral fellow in the MS and Chromatin Composition Unit (Head: Prof. Axel Imhof) at Ludwig Maximilians University (LMU), Munich, DE
2002 – 2003 Visiting scientist in the Mass Spectrometry Group, at the European Molecular Biology Lab (EMBL), DE (Head: Dr. Matthias Wilm)

FELLOWSHIPS, AWARDS & HONOURS

2019 Member of the AIRC CTS for AIRC/FIRC/iCARE Fellowships
2010 International Inner Wheel for Women 2010, for scientific career
2007 The Giovanni Armenise Harvard Foundation career development Award
2003 - 2005 EMBO Long-Term Post-Doctoral Fellowship at the LMU, DE
2000 EMBO Short-Term Fellowship. DiBit-San Raffaele Hospital, IT
1999 - 2003 1st ranked Doctoral Fellowship offered by University of Milan, IT

CAREER BREAKS

2015 5 months Maternity leave, for the birth of my second child, Pietro Stabilini
2011 5 months Maternity leave, for the birth of my first child, Fernanda Stabilini

ACADEMIC ACTIVITY

Supervision of graduate students and postdoctoral fellows

2008 - 2017 As PI, supervised 12 post-docs/ 6 PhD students/ 11 Master students from Milan-Bicocca University, University of Milano, University of Parma.

I have hosted in my Group 5 foreigner visiting student for short-term internships (1 to 4 months) for training in MS-proteomics.

2006 - 2008 As a postdoc, supervised 1 PhD student in M. Mann's group at the Max Planck of Biochemistry in Martinsried, DE

Teaching activity

2020 Lecturer for the course on Functional Genomics of the curriculum on Biotechnology and Biological Sciences at the University of Milano, IT (2 hours)

2020 Lecturer for the PhD course on -Omics technologies for metabolomics research at the University of Milano, IT (4 hours)

2019 Lecturer for the course on Functional Genomics of the curriculum on Biotechnology and Biological Sciences at the University of Milano, IT (3 hours)

2018 Lecturer for the course on Functional Genomics of the curriculum on Biotechnology and Biological Sciences at the University of Milano, IT (3 hours)

2015 Lecturer for monographic short course (4 hours) within the course of Clinical Biochemistry at the University of Piemonte Orientale, Novara, IT

2014 Lecturer at PhD course "Mass-spectrometry and Proteomics in cell biology research" at University of Padua (Padua)

2010 and 2017- Lecturer PhD course in "Mass Spectrometry-based proteomics and its applications in biology", NNF Center for Protein Research, Copenhagen

2010 Lecturer at the PhD course "Mass-spectrometry and Proteomics in cell biology research" at CNR Institute of Neuroscience, Milano

2010 Lecturer at the PhD course in Epigenetics at Dept of Genetics University of Milano

Since 2008 Assistant Professor and coordinator of the course "Proteomics" for the School of Molecular Medicine (SEMM).

Participation to Examination/Evaluation Board

2019: PhD examiner for Gent University, Belgium; PhD examiner for University of Trento Italy.

2018: PhD examiner for Scuola Normale Superiore Pisa; Medical University of Vienna; University of Ghent; University of Trento.

2017 Istituto di Genetica Molecolare (IGM) of the CNR: Competition for scientist (ricercatore) appointment

2016 Biochemistry Department of the Technical University (TU) of Munich: Evaluation of candidate for the promotion to the position of "adjunct professor"

2016 Department of Veterinary of the University of Milano: Competition for post-doc position appointment

2016 Koc University (KU), Istanbul (TK): evaluation of candidate for promotion as Associate Professor

Lecturer and Trainer at International Conferences

2020 Scuola Teorico-Pratica di Proteomica ItPA (c/o CEINGE- Biotechnologie Avanzate, Napoli)

2019 EMBL Course: Chromatin Signatures During Differentiation: Integrated Omics (EMBL, Heidelberg, DE)

2015 9th European Summer School on Advanced Proteomics, Brixen (IT)

2010 HUPO2010 Education and Training day; Sydney (AU)

2007 Practical Course "MS-based Proteomics and Quantitative Proteomics" at the Max Planck Institute of Biochemistry, Martinsried (DE) (2007)

EDITORIAL ACTIVITY

Editorial Board Member: Journal of Integrated –OMICS, Frontiers in Molecular and Cellular Oncology, Advances in Biology, Molecular and Cellular Oncology; International Journal of Proteomics, Proteomes, Clinical Epigenetics

Ad hoc peer-reviewer: Nature Protocols, *Biochimica and Biophysica Acta*, *Analitica Chimica Acta*, Proteomics, Journal of Proteome Research, Journal of Cell Science, Journal of Proteomics, Trends in Analytical Chemistry, Expert Reviews in Proteomics, Briefings in Functional Genomics, BMC Cancer, Trends in Biotechnology, Nature Communications, NAR, Journal of Molecular Cell Biology, Molecular and Cellular Proteomics, Oncogene, Scientific Reports, Epigenetic & Chromatin, Oncotarget, Plos One, Clinical Mass Spectrometry.

Grant Reviewer: AICR/FIRC fellowship, FEBS, Research Foundation Flanders, CRUK, Wellcome Trust, Agencie National Recherche (ANR), Cancer Research HK, ERC-stating and consolidator Grant (external expert reviewer), German-Israeli (DKFZ-MOST) cooperation in cancer research, AIRC.

SCIENTIFIC MEETINGS ORGANIZER AND CO-ORGANIZER

2017-2019 Organizer of the SIBBM Lecture program

2019 3rd EMBO | FEBS Lecture Course on Nuclear Proteomics, Crete, (GR); Armenise Harvard Foundation 17th Symposium: Quantifying Biology in Space and Time, Gubbio (IT)

2017 SIBBM Annual Meeting, Milano: organizer and chair of Session

2016 2nd EMBO | FEBS Lecture Course on Nuclear Proteomics, Crete (GR); International Conference Proteomics & Bioinformatics, Rome (IT); 4th and 5th MS-proteomics Days, Milan Area (IT); SIBBM meeting, Naples (IT)

2015 International Conference Proteomics & Bioinformatics, Valencia(ES); 2nd and 3rd MS-Proteomics Day, Milano Area (IT)

2014 1st MS-Proteomics Day, IFOM-IEO Campus, Milan (IT); EMBO- FEBS Lecture Course on Nuclear Proteomics, Kos Island (GR); International Conference Proteomics & Bioinformatics, Chicago (USA); EPIGEN-MiChroNetwork Chromatin Seminar, IEO (IT)

2011 Epigenetic Symposium, IEO, Milan (IT)

2009 Italian Proteomics Association 4th National Conference, Milano Bicocca University (IT)

INVITED TALKS/PRESENTATIONS

2019 CRG Barcelona (SP); CiBio TN, (IT); BSPR Annual meeting, Southampton (UK) (keynote speaker); SIBBM Annual Meeting, Bologna (IT) (*chairman*); Oslo University (Norway) (*invited speaker*); 5th TRR81 Symposium on "Chromatin Changes in Differentiation and Malignancies", Bad Nauheim (DE) (*invited speaker*).

2018 FASEB Meeting Biological Methylation, Florence (IT) (*invited speaker*); Italian Proteomic Association, Como (IT) (*invited speaker*); SysEpi Meeting, Amsterdam (HOL) (*invited speaker*); Italian Cancerology Society Annual Meeting, Milano (IT) (*invited speaker*); King's College London (UK) (*invited speaker*).

2017 Budapest Breast Think Tank EACR Meeting, Budapest HUN (*invited speaker*)| Gordon Research Conference "Cancer Genetics & Epigenetics", Lucca IT (*invited speaker*)| 5th ICAP Conference, Lisbon POR (*invited speaker*)| EU-LIFE Scientific Workshop "Principles of Homeostasis", Berlin DE (*invited speaker*)| EMBO course "Non-coding RNAs", Heidelberg DE (*lecturer*)| HUPO2017, Dublin IRE (*invited speaker*)| SIB Annual Meeting, Caserta IT (*invited speaker*).

2016 Belgian Proteomics Association (BePac) Meeting, Ghent- BE (*Keynote lecturer*); FEBS-Nuclear Proteomics Summer School, Heraklion- GR (*Invited speaker and chairman*); EMBL–WELLCOME GENOME CAMPUS CONFERENCE, Heidelberg- DE (*Invited speaker and chairman*)| Giovanni Armenise-Harvard 16th Symposium- Gubbio- IT (*Invited speaker*); SIBBM Meeting- Naples- IT (*Organizer and chairman*); EPIGEN- National Meeting, Rome- IT (*Invited speaker*); Game of Epigenomics –Dubrovnik- CRO (*Invited speaker*); Babraham Institute- Cambridge –UK (*Invited speaker*)| CRUK Beatson Institute- Glasgow-UK (*Invited speaker*)

2015 International Conference Proteomics & Bioinformatics, Valencia- SP (*speaker & chairman*)| Hallmarks of Cancer: focus on RNA, Paris- FR (*selected talk*)| GAHF 15th symposium, Challenges

to Modern Medicine, Rome - IT (*invited speaker*)

2014 EPIGEN Annual Meeting, Rome- IT |2nd Epigenetic Symposium, Oslo- NOI SIBBM Trento- IT| FISV 2014, Pisa- IT (*invited speaker and chairman*)| 4D Cell Symposium, Utrecht (HOL)

2013 Proteomic Forum 2013, Berlin- DE| 7th ITPA Annual Congress, Padova- IT

2012 SIBBM 2012 Frontiers in molecular biology, Palermo- IT| 11th National Meeting of Medicinal Chemistry, Palermo- IT| 9th Siena Meeting from Genome to Proteome, IT| FISV Conference, Rome- IT

2011 II International Congress on Analytical Proteomics, Ourense -SP

2010 Marie-Curie Network INTEGER “Chromatin Proteomics” meeting, Munich –DE| Italian Proteomics Association 5th Annual National Conference, Firenze- IT| HUPO 9th Annual World Conference 2010, Sydney-AUS (*lecturer and invited speaker*)

2009 11th International Congress on Amino Acids, Peptides and Proteins, Vienna- AT| Open Symposium: “20 years of Electrospray MS for large molecules”, Munich- DE| Italian Proteomics Association 4th Annual National Conference, Milano- IT (*co-organizer*)

CITATION METRICS

Number of publications (Pub med): 85

h-index (Scopus): 34

h-index (Google Scholar): 38

PEER-REVIEWED PUBLICATIONS (LAST 5 YEARS)

2021

- Melixetian M, Bossi D, Mihailovich M, Punzi S, Barozzi I, Marocchi F, Cuomo A, **Bonaldi T**, Testa G, Marine JC, Leucci E, Minucci S, Pelicci PG, Lanfrancone L. Long non-coding RNA TINCR suppresses metastatic melanoma dissemination by preventing ATF4 translation. *EMBO Rep.* 2021 Mar 3;22(3):e50852. doi: 10.15252/embr.202050852.
- Ferrari KJ, Amato S, Noberini R, Toscani C, Fernández-Pérez D, Rossi A, Conforti P, Zanotti M, **Bonaldi T**, Tamburri S, Pasini D. Intestinal differentiation involves cleavage of histone H3 N-terminal tails by multiple proteases. *Nucleic Acids Res.* 2021 Jan 25;49(2):791-804. doi:10.1093/nar/gkaa1228.
- Noberini R, Robusti G, **Bonaldi T**. Mass spectrometry-based characterization of histones in clinical samples: applications, progresses, and challenges. *FEBS J.* 2021 Jan 8. doi: 10.1111/febs.15707.

2020

- Noberini R, Morales Torres C, Savoia EO, Brandini S, Jodice MG, Bertalot G, Bonizzi G, Capra M, Diaferia G, Scaffidi P, **Bonaldi T**. Label-Free Mass Spectrometry-Based Quantification of Linker Histone H1 Variants in Clinical Samples. *Int J Mol Sci.* 2020 Oct 4;21(19):E7330. doi: 10.3390/ijms21197330.
- Manfrini N, Mancino M, Miluzio A, Oliveto S, Balestra M, Calamita P, Alfieri R, Rossi RL, Sassoè-Pognetto M, Salio C, Cuomo A, **Bonaldi T**, Manfredi M, Marengo E, Ranzato E, Martinotti S, Cittaro D, Tonon G, Biffo S. FAM46C and FNDC3A are multiple myeloma tumor suppressors that act in concert to impair clearing of protein aggregates and autophagy. *Cancer Res.* 2020 Sep 22;canres.1357.2020. doi: 10.1158/0008-5472.CAN-20-1357.
- Giambruno R, **Bonaldi T**, Dual role of PRMT1-dependent arginine methylation in cellular responses to genotoxic stress. *Molecular and Cellular Oncology* 2020, July 3
- Gasparri R, Sedda G, Noberini R, **Bonaldi T**, Spaggiari L. Clinical Application of Mass Spectrometry-Based Proteomics in Lung Cancer Early Diagnosis. *Proteomics Clin Appl.* 2020 May 17:e1900138. doi: 10.1002/prca.201900138.

- Musiani D, Massignani E, Cuomo A, Yadav A, **Bonaldi T**. Biochemical and Computational Approaches for the Large-Scale Analysis of Protein Arginine Methylation by Mass Spectrometry. *Curr Protein Pept Sci*. 2020 Apr 26. doi: 10.2174/1389203721666200426232531.
- Ravasio R, Ceccacci E, Nicosia L, Hosseini A, Rossi PL, Barozzi I, Fornasari L, Zuffo RD, Valente S, Fioravanti R, Mercurio C, Varasi M, Mattevi A, Mai A, Pavesi G, **Bonaldi T**, Minucci S. Targeting the scaffolding role of LSD1 (KDM1A) poises acute myeloid leukemia cells for retinoic acid-induced differentiation. *Sci Adv*. 2020 Apr 8;6(15):eaax2746. doi: 10.1126/sciadv.aax2746.
- Musiani D, Giambruno R, Massignani E, Ippolito MR, Maniaci M, Jammula S, Manganaro D, Cuomo A, Nicosia L, Pasini D, **Bonaldi T**. PRMT1 Is Recruited via DNA-PK to Chromatin Where It Sustains the Senescence-Associated Secretory Phenotype in Response to Cisplatin. *Cell Rep*. 2020 Jan 28;30(4):1208-1222.e9. doi: 10.1016/j.celrep.2019.12.061.
- Spadotto V, Giambruno R, Massignani E, Mihailovich M, Maniaci M, Patuzzo F, Ghini F, Nicassio F, **Bonaldi T**. PRMT1-mediated methylation of the microprocessor-associated proteins regulates microRNA biogenesis. *Nucleic Acids Res*. 2020 Jan 10;48(1):96-115. doi: 10.1093/nar/gkz1051.

2019

- Noberini R, Restellini C, Oliva Savoia E, **Bonaldi T**. Enrichment of histones from patient samples for mass spectrometry-based analysis of post-translational modifications. *Methods*. 2019 Oct 9. pii: S1046-2023(19)30136-7. doi:10.1016/j.ymeth.2019.10.001.
- Noberini R and **Bonaldi T**. Epigenetic drug target deconvolution by mass spectrometry-based technologies. *Nat Struct Mol Biol*. 2019 Oct;26(10):854-857. doi: 10.1038/s41594-019-0279-x.
- Noberini R, Restellini C, Savoia EO, Raimondi F, Ghiani L, Jodice MG, Bertalot G, Bonizzi G, Capra M, Maffini FA, Tagliabue M, Ansarin M, Lupia M, Giordano M, Osti D, Pelicci G, Chiocca S, **Bonaldi T**. Profiling of Epigenetic Features in Clinical Samples Reveals Novel Widespread Changes in Cancer. *Cancers (Basel)*. 2019 May 24;11(5). pii: E723. doi: 10.3390/cancers11050723.
- Scelfo A, Fernández-Pérez D, Tamburri S, Zanotti M, Lavarone E, Soldi M, **Bonaldi T**, Ferrari KJ, Pasini D. Functional Landscape of PCGF Proteins Reveals Both RING1A/B-Dependent-and RING1A/B-Independent-Specific Activities. *Mol Cell*. 2019 Jun 6;74(5):1037-1052.e7. doi: 10.1016/j.molcel.2019.04.002.
- Musiani D, Bok J, Massignani E, Wu L, Tabaglio T, Ippolito MR, Cuomo A, Ozbek U, Zorgati H, Ghoshdastider U, Robinson RC, Guccione E, **Bonaldi T**. Proteomics profiling of arginine methylation defines PRMT5 substrate specificity. *Sci Signal*. 2019 Apr 2;12(575). pii: eaat8388. doi: 10.1126/scisignal.aat8388.
- Massignani E, Cuomo A, Musiani D, Jammula S, Pavesi G, **Bonaldi T**. hmSEEKER: Identification of hmSILAC Doublets in MaxQuant Output Data. *Proteomics*. 2019 Mar;19(5):e1800300. doi: 10.1002/pmic.201800300.
- Restellini C, Cuomo A, Lupia M, Giordano M, **Bonaldi T***, Noberini R*. Alternative digestion approaches improve histone modification mapping by mass spectrometry in clinical samples. *Proteomics Clin Appl*. 2019 Jan;13(1):e1700166. doi: 10.1002/prca.201700166. **co-correspondin*

2018

- Giambruno R, Mihailovich M, **Bonaldi T**. Mass Spectrometry-Based Proteomics to Unveil the Non-coding RNA World. *Front Mol Biosci*. 2018 Nov 8;5:90. doi: 10.3389/fmolb.2018.00090. eCollection 2018. Review.
- Noberini R, Osti D, Miccolo C, Richichi C, Lupia M, Corleone G, Hong SP, Colombo P, Pollo B, Fornasari L, Pruneri G, Magnani L, Cavallaro U, Chiocca S, Minucci S, Pelicci G, **Bonaldi T**. Extensive and systematic rewiring of histone post-translational modifications in cancer model systems. *Nucleic Acids Res*. 2018 Mar 29. doi: 10.1093/nar/gky224.**published with the Breakthrough status*
- Audano M, Pedretti S, Cermenati G, Brioschi E, Diaferia GR, Ghisletti S, Cuomo A, **Bonaldi T**, Salerno F, Mora M, Grigore L, Garlaschelli K, Baragetti A, Bonacina F, Catapano AL, Norata GD, Crestani M, Caruso D, Saez E, De Fabiani E, Mitro N. Zc3h10 is a novel mitochondrial regulator. *EMBO Rep*. 2018 Mar 5. pii: e45531. doi: 10.15252/embr.201745531.
- Caprara G, Prosperini E, Piccolo V, Sigismondo G, Melacarne A, Cuomo A, Boothby M, Rescigno M, **Bonaldi T**, Natoli G. PARP14 Controls the Nuclear Accumulation of a Subset of Type I IFN-Inducible Proteins. *J Immunol*. 2018 Apr 1;200(7):2439-2454. doi: 10.4049/jimmunol.1701117.
- Fellows R, Denizot J, Stellato C, Cuomo A, Jain P, Stoyanova E, Balázsi S, Hajnády Z, Liebert A, Kazakevych J, Blackburn H, Corrêa RO, Fachi JL, Sato FT, Ribeiro WR, Ferreira CM, Perée H, Spagnuolo M, Mattiuz R, Matolcsi C, Guedes J, Clark J, Veldhoen M, **Bonaldi T**, Vinolo MAR, Varga-Weisz P. Microbiota derived short chain fatty acids promote histone crotonylation in the colon through histone deacetylases. *Nat Commun*. 2018 Jan 9;9(1):105. DOI: 10.1038/s41467-017-02651-5.

2017

- Hoffmann G, Samel-Pommerencke A, Weber J, Cuomo A, **Bonaldi T**, Ehrenhofer-Murray AE. A role for CENP-A/Cse4 phosphorylation on serine 33 in deposition at the centromere. *FEMS Yeast Res*. 2017 Dec 20. doi: 10.1093/femsyr/fox094.
- Soldi M, Mari T, Nicosia L, Musiani D, Sigismondo G, Cuomo A, Pavesi G, **Bonaldi T**. Chromatin proteomics reveals novel combinatorial histone modification signatures that mark distinct subpopulations of macrophage enhancers *Nucleic Acids Research*, 2017 Dec 1;45(21):12195-12213. DOI: 10.1093/nar/gkx821
- Chen YK, **Bonaldi T**, Cuomo A, Del Rosario JR, Hosfield DJ, Kanouni T, Kao S, Lai C, Lobo NA, Matuszkiewicz j, McGeehan A, O'Connell SM, Shi L, Stafford JA, Stansfield RK, Veal JM, Weiss MS, Yuen NY, and Wallace MB. Design of KDM4 Inhibitors with Antiproliferative Effects in Cancer Models. *ACS Med. Chem. Lett.*, **2017**, 8 (8), pp 869–874. DOI: 10.1021/acsmchemlett.7b00220.
- Noberini R, Longuespée R, Richichi C, Pruneri G, Kriegsmann M, Pelicci G., **Bonaldi T**. PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples. *Clin Epigenetics*. 2017 Jul 11;9:69. doi: 10.1186/s13148-017-0369-8. eCollection **2017**. PubMed PMID: 28702092; PubMed Central PMCID: PMC5504751.
- Caldieri G, Barbieri E, Nappo G, Raimondi A, Bonora M, Conte A, Verhoef LGGC, Confalonieri S, Malabarba MG, Bianchi F, Cuomo A, **Bonaldi T**, Martini E, Mazza D, Pinton P, Tacchetti C, Polo S, Di Fiore PP, Sigismund S. Reticulon 3-dependent ER-PM contact sites control EGFR nonclathrin endocytosis. *Science*. **2017** May 12;356(6338):617-624. doi:

10.1126/science.aah6152. PubMed PMID: 28495747; PubMed Central PMCID: PMC5432029.

- Curina A, Termanini A, Barozzi I, Prosperini E, Simonatto M, Polletti S, Silvola A, Soldi M, Austenaa L, **Bonaldi T**, Ghisletti S, Natoli G. High constitutive activity of a broad panel of housekeeping and tissue-specific cis-regulatory elements depends on a subset of ETS proteins. *Genes Dev.* 2017 Feb 15;31(4):399-412. doi: 10.1101/gad.293134.116. Epub 2017 Mar 8. PubMed PMID: 28275002; PubMed Central PMCID: PMC5358759.

2016

- Noberini R, Pruneri G, Minucci S, **Bonaldi T**. Mass-spectrometry analysis of histone post-translational modifications in pathology tissue using the PAT-H-MS approach. *Data Brief.* 2016 Feb 16;7:188-94. doi: 10.1016/j.dib.2016.02.028. eCollection 2016 Jun. PubMed PMID: 27408908; PubMed Central PMCID: PMC4927966.
- Soldi M, Cuomo A, **Bonaldi T**. Quantitative assessment of chemical artefacts produced by propionylation of histones prior to mass spectrometry analysis. *Proteomics.* 2016 Jul;16(14):1952-4. doi: 10.1002/pmic.201600173. PubMed PMID: 27373704
- **Bonaldi T**, Mihailovich M. Spatiotemporal plasticity of miRNAs functions: The miR-17-92 case. *Mol Cell Oncol.* 2016 Apr 15;3(3):e1156216. doi: 10.1080/23723556.2016.1156216. eCollection 2016 May. PubMed PMID: 27314099; PubMed Central PMCID: PMC4909434
- Pozzi C, Cuomo A, Spadoni I, Magni E, Silvola A, Conte A, Sigismund S, Ravenda PS, **Bonaldi T**, Zampino MG, Cancelliere C, Di Fiore PP, Bardelli A, Penna G, Rescigno M. The EGFR-specific antibody cetuximab combined with chemotherapy triggers immunogenic cell death. *Nat Med.* 2016 Jun;22(6):624-31. doi: 10.1038/nm.4078. Epub 2016 May 2. PubMed PMID: 27135741.
- Mihailovich M, **Bonaldi T**. MYC/miR-17-92 interplay maintains B-lymphoma cell homeostasis. *Cell Cycle.* 2016;15(8):1025-6. doi: 10.1080/15384101.2016.1157977. PubMed PMID: 27097369; PubMed Central PMCID: PMC4889254.
- Mihailovich M, **Bonaldi T**. MS-analysis of SILAC-labeled MYC-driven B lymphoma cells overexpressing miR-17-19b. *Data Brief.* 2016 Feb 24;7:349-53. doi: 10.1016/j.dib.2016.02.031. eCollection 2016 Jun. PubMed PMID: 26977435; PubMed Central PMCID: PMC4781929.

PATENTS

HMGB1 protein inhibitors and/or antagonists for treatment vascular diseases patent CN1537014 URL: <http://europepmc.org/patents/pat/CN1537014> Patent approved and financed also in Italy and Australia); applications also in Japan, Canada, Mexico, China.

GRANT & FUNDING

- AIRC18-IG: Associazione Italiana per la Ricerca sul Cancro (01/01/2019-31/12/2023) Total Amount= 962.000,00 EUR
- EC-H2020-EPIC-XS: European Commission (01/01/2019-31/12/2022) Total Amount= 488.125,00 EUR
- RF16-IEO-GP-BONALDI: Ministero della Salute (15/09/2018-14/09/2021) Total Amount= 103.680,00 EUR
- CNR-EPIGEN2: Consiglio Nazionale delle Ricerche (01/01/2016-31/12/2018) Total Amount= 101.000,00 EUR
- RF11-GR-BONALDI: Ministero della Salute (01/11/2014-31/10/2018) Total Amount= 252.887,76EUR

- AIRC14-IG: Associazione Italiana per la Ricerca sul Cancro (01/01/2015-30/06/2018) Total Amount= 367.000,00 EUR
- AIRC11-5X1000-PPDF-BONALDI: Associazione Italiana per la Ricerca sul Cancro (01/01/2011-31/12/2016) Total Amount= 506.000,00
- CNR-EPIGEN: Consiglio Nazionale delle Ricerche (01/09/2013-30/06/2016) Total Amount= 202.344,00 EUR
- RF09-GR-BONALDI: Ministero della Salute (01/12/2011- 30/11/2015) Total Amount= 373.028,00EUR
- AIRC11-IG: Associazione Italiana per la Ricerca sul Cancro (01/01/2012-31/12/2014) Total Amount= 240.000,00 EUR
- ARMENISE07: The Giovanni Armenise Harvard Foundation (01/01/2008- 31/12/2013) Total Amount= 723.129,90 EUR
- AICR-09/0281: Association for International Cancer Research (01/04/2009-31/03/2012) Total Amount=125.761,83 EUR
- AIRC08-MFAG: Associazione Italiana per la Ricerca sul Cancro (01/01/2008-31/12/2011) Total Amount= 150.000,00EUR