Curriculum Vitae – Roberta Roncarati

Name Surname: *Roberta Roncarati*
Master of Science: *Pharmaceutical Chemistry and Technology*
Nationality:
E-mail:

Output Index

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Current Position (June 2022)

Tenured Researcher

Department/Institute/Institution: *Department of Biomedicine - Institute of Molecular Genetic* ***(IGM) unit of Bologna*** *- National Research Council (CNR),*

Education

2007-2009: Ph.D in Molecular Medicine - University of Milan *"Mutations detection in monogenic disease: an Italian cohort study of Cardiomyopathies"*; Curriculum: Genomica Proteomica e tecnologie correlate, Ciclo XXII

1990-1997: MS in Pharmaceutical Chemistry and Technology, School of Pharmacy, Ferrara, Italy
"Production of Eudragit Microparticles by Spray-Drying Technique"

1984-1989: Marco Polo High School, Ferrara

Positions and Employments

05/2022-present: Senior Researcher at CNR- IGM, Unit of Bologna

2009-04/2022 Senior Researcher at IRGB-CNR unit of Milan (Genetic of Cardiovascular disease - Molecular Oncology)

2009-2012: PI: Laboratory of Cardiovascular Genetics, CNR c/o IRCCS Mutimedica, Via Fantoli 16/15 Milan

2007-2009: fellowship CNR-ITB Milan; CNR c/o IRCCS Mutimedica, Via Fantoli 16/15 Milan

2004-2007: Prenatal and Postnatal Diagnostic, "*Tecnobios prenatale*", Bologna, ITALY

2002-2004: Research Scientist in Cellular Immunology AVENTIS Pharma., Immunology Platform, Bridgewater, NJ, USA

2000-2002: Post-Doctoral Fellow Laboratory of Luciano D' Adamio, MD, PhD Department of Microbiology and Immunology, Albert Einstein College of Medicine Bronx, NY, USA

1999-2000: Post-Doctoral Fellow under supervision of Dr G. Condorelli in the Laboratories of Prof. C.M. Croce, at Kimmel Cancer Center Thomas Jefferson University, Philadelphia, PA, USA

1998-1999: Self -sponsored scientist Laboratory of Antonio Giordano, MD, PhD Thomas Jefferson University Philadelphia, PA, USA

1995-1996: Internship: Dept. of Pharmacy University of Ferrara, School of Pharmacy, **Ferrara, Italy**

Research areas

Genetics, Medical Genetics, Molecular Diagnostics, Molecular Biology, Molecular Genetics, Genetic of Cardiomyopathy, Cancer Biology, Biomarkers, Human Cancer, Biotechnology, Oncology

Personal statement

Roberta Roncarati graduated in Pharmaceutical Chemistry and Technology (110/110) in 1997 at the University of Ferrara; PhD in Molecular Medicine (2009), she has been a CNR researcher since 2009. Dr. Roncarati worked from 1997 to 2004 in the United States, where she finalized her research program. She joined the laboratory of Prof. Antonio Giordano at Thomas Jefferson University, Philadelphia, for 1 year before moving to the laboratories of Prof. Carlo M. Croce at the Kimmel Cancer Institute,

Philadelphia, where she studied the role of apoptotic genes (caspase-3 and Bcl2) in cardiovascular diseases in animal models, working in the team of Prof. Gianluigi Condorelli. In 1998, she started her second fellowship in the group of Prof. Luciano D'Adamio at Yeshiva University, Albert Einstein College of Medicine, Bronxn (NY), where she studied the role of Amyloid Precursor Protein (APP) in the development of Alzheimer's disease studying the intracellular domain of APP and its protein interaction in in-vitro models. From 2000 to 2003, she carried out research and development activities at the laboratories of Aventis Pharmaceutical in Bridgwater (NJ), under the supervision of Dr Roland Kurrel at the Immunology Platform. In 2004, she returned to Italy and worked at Tecnobios Prenatale Clinic, Bologna, where she carried out prenatal diagnosis research (Prof. Bovicelli). From 2006 to 2009, she worked at the ITB-CNR, Milan, focusing her interest on the identification of new mutations in familial and idiopathic cardiomyopathies using next-generation sequencing. Since 2010, she has been a researcher at the IRGB-CNR institute (UOS of Milan), where she is carrying out research in the genetics of cardiovascular diseases, using NGS approaches applied to the clinic. In 2013, she joined Prof. M. Negrini group at University of Ferrara, where she specialized in molecular genomics applied to cardiology and clinical oncology. She also gained experience in the study of early diagnostic markers, such as microRNAs, as regulators of gene expression in cardiovascular diseases and cancer, studying their expression profile in the plasma of affected patients. Over the last 3 years, she has focused her interest on the study of DNA methylation alterations and liquid biopsy, using NGS approaches, for the early diagnosis and monitoring of therapy in advanced lung cancer patients.

Scientific Interest

Clinical translational research using the advanced NGS technologies: DNA methylation, gene mutations, transcriptomics, and spatial transcriptomics, circulating microRNAs and single cell sequencing, with the final goal to transfer the results from bench to clinic.

Grants and participation in national and international research projects

Dr. Roncarati has been involved in the drafting and management of the project both as a responsible and collaborator in research projects eligible for funding based on competitive calls for proposals, as described in the list below.

-PI of "Ricerca Corrente "I.R.C.C.S Multimedica, Scientific and Technology Pole, Via Fantoli 16/15, 20138, Milan, Italy Project name: Molecular diagnostic of Cardiomyopathies

-2007: Progetto Fondazione CARIPLO: "Role of microRNAs in myocardial diseases and their potential application in heart failure treatment" Role: Collaborator

-Programma strategico Network ITA-SCOCARD Project Code: RFPS-2006-2-335458, Role: Collaborator

-RF 2008 Cardiomiopatie Project Code: RF-MUL-2008-1180660 Role: Scientific PI

-2011-2013: 3-years clinical research grant *"Ricerca Finalizzata"* funded by Ministry of Health for the project entitled "Innovative diagnostic approach for hereditary cardiomyopathies" Applicant Institution: IRCCS MultiMedica Milano. Project Code: RF-2011-02348194 € 359.629,16. Role: PI

- RF Ricerca *Finalizzata* funded by Ministry of Health for the project entitled "Appropriate use of molecular analyses for the characterization of lung cancers in different phases of disease". RF-2016-02363927. PI Prof. Negrini Massimo. Role: Collaborator

Research Appointments

2009/2012

PI: Laboratory of Cardiovascular Genetics. CNR c/o IRCCS Mutimedica, Via Fantoli 16/15 Milan. The lab was mainly dedicated on:

Genotyping: TaqMan OpenArray Genotyping System (Applied Biosystems); Human-Beadchip genotyping (Golden Gate and Infinium II_Omni Quad 1M (Illumina); Taqman Assay Genotyping 7900 ABI Prism (Applied Biosystems);
Next generation approaches: focused on the discovery of novel genes and mutation in hereditary cardiovascular disease using different NGS tools: Illumina Genotyping array, gene-microRNA expression, Whole exome sequencing, Target sequencing (Illumina - Ion Torrent Platform). A Whole genome sequencing study in a Dilated Cardiomyopathy family
Circulating biomarkers discovery: miRNA profiling on high-throughput system from plasma and tissue; Tecan Freedom Evo150; gene expression and miRNA expression by

qRT 7900 ABI Prism and ViiA™ 7 System (Applied Biosystems); MicroRNAs profiling from plasma (NGS-Illumina platform), absolute quantification from plasma by Digital PCR (Biorad)

Scientific collaborations

2012-06/2022: Collaboration with Prof. Massimo Negrini Lab's
Laboratory of Next generation Sequencing: identification of Diagnostic markers in oncology, Department of Translational Medicine University of Ferrara,
Research unit - CUBO - University of Ferrara, 44121, Ferrara, Italy
Activities: microRNA libraries and Sequencing; Target DNA panel libraries generation and sequencing, NGS custom panel libraries generation; Qiaseq DNA Methylation target panel

Courses participation

1- Course in Next Generation Sequencing for rare and common genetic disorders, Via di Gaibola 16, Bologna, Italy, April 14-17, 2011

2- 3rd Sardinian Summer School on Genomic Analysis of Complex and Monogenic Disorders (9 to 13 September 2013) CRS4 - Center for Advanced Studies, Research and Development in Sardinia Science and Technology Park of Sardinia, Building 1,
Pula (CA) – Italy

3- Biology and genetics of rare diseases. Lecturer: Cornelius Boerkoel, MD, PhD *Professor at Department of Medical Genetics, University of British Columbia, Co-Founder & Co-Director, Rare Disease Foundation Children's, and Women's Health Centre of BC.* University of Ferrara, Italy. May 16th -27^{th,} 2016.

4- Single Cell and Spatial Sequencing: An Overview of the Technology and Real Case Studies. Illumina webinar 25 mag 2022 03:00 PM.

5- Single Cell Discoveries Webinar: An introduction to 10x Genomics single-cell and spatial sequencing services. October 19th 2021 at 14.00

Laboratory Skills:

-Extensive *in vivo murine* experience including breeding, crossing and maintaining colonies, working with transgenic mice (model of cardio deficiency and transgenic mice

carrying genes involved in the regulation of apoptosis under a cardiac-specific promoter).
-*Molecular biology* techniques: DNA and RNA isolation and analysis (Gel electrophoreses, molecular cloning, PCR, site directed mutagenesis, Southern Blotting and Northern Blotting, DNA and RNA QC using Tapestation and Bioanalyzer 2100; Invitrogen Qbit fluorimeter, Automated DNA or RNA Extraction Maxwell (Promega)
-*Protein isolation*, affinity purification of tagged proteins, Western Blotting; In Vitro Translation Transcription (IVTT)
-*Cell cultures*: mammalian cell transfection, Immunoprecipitation, GST Pull Down, analysis of transient gene expression by CAT-assay, Luciferase assay and β-galactosyde assay, RNA interference (temporary gene knock out in cell Lines), some experience in preparation of primary neuronal culture.
-Some experience with *Immunocytochemistry.*
-Isolation of PBMC from whole human blood, preparation of T cell line (mouse and human).
-*Proliferation assay*: with H3-Thymidine incorporation and with CFSE labeling technique. Study of Th1/Th2 cytokine assay with Cytometric Bead Array (CBA) test and with Luminex assay, ELISA assay, 4-Color Flow Cytometry.

Pre-natal and post-natal Diagnosis of genetic disease: DNA amplification technique (PCR) and fragment analysis using GENSCAN system and sequencing (Cistic Fibrosis: CFTR gene amplification and direct sequence of exon 7, 10 and 20; Fragile X syndrome: FMR1 gene amplification; Nonsyndromic deafness mutations in connexins 26: GJB2 gene amplification)

Professional Experience (last 10 years)

Real time PCR
digital PCR (Biorad ddPCR)
Next Generation Sequencing (NGS) Platform: -Illumina (NextSeq 500and iScan bead array (GWAS)
-Ion Torrent (PGM, Ion Chef System, Ion S5)

DNA Library preparation: Target panel Ion Torrent: Oncomine: Comprehensive V3 (Tissue); Pan-Cancer Cell-Free Assay; Lung Cell-Free Assay; Breast Cell-Free Assay. QIAseq Targeted Methyl Human Breast Cancer Panel

Whole Genome Association Study (**GWAS**); Illumina
Whole exome sequencing (**WES**); Illumina
Whole genome sequencing study (**WGS**). Illumina

MicroRNA library preparation: Qiaseq miRNA library (Qiagen); Trueseq small RNA (Illumina)

Personal Attitude and Motivation

Naturally driven toward establishing and sustaining interpersonal interactions. Attitude in building scientific confronts and collaboration, determination, creativity, motivation, and curiosity. Precise, enthusiastic and result oriented. Good organizational and Project Management skills. Extremely honest and reliable. Strong effort about positive challenge. Enjoy Intelligence teamwork and coaching marked sense.

List of publications

28- Laura Lupini, **Roberta Roncarati**, Lorenzo Belluomini, Federica Lancia, Cristian Bassi, Lucilla D'Abundo, Angelo Michilli, Paola Guerriero, Alessandra Fasano, Elisa Tiberi, Andrea Salamone, Donato M. Cosi, Elena Saccenti, Valentina Tagliatti, Iva Maestri, Silvia Sabbioni, Stefano Volinia, Roberta Gafà, Giovanni Lanza, Antonio Frassoldati, Massimo Negrini. *Monitoring somatic genetic alterations in circulating cell-free DNA/RNA of patients with "oncogene-addicted" advanced lung adenocarcinoma: a real-world clinical study. Submitted June 23/06/2022. Internal Journal of Molecular Science*

27- Irene Salamon, Elena Biagini, Paolo Kunderfranco, **Roberta Roncarati**, Marisa Santostefano, Giovanni Vitale, Noemi Laprovitera, Elena Cavarretta, Antonio Pisani, Eleonora Riccio, Luciana Tomasi, Raffaello Ditaranto, Valeria Aiello, Irene Capelli, Manuela Ferracin,Gaetano La Manna, Nazzareno Galiè, Letizia Spinelli, Gianluigi Condorelli. *Circulating miR-184 is a Potential Biomarker of Cardiac and Renal Damage in Anderson-Fabry Disease. Cell Death & Disease.* Accepted October 2021

26- Emi Dika, Elisabetta Broseghini, Elisa Porcellini, Martina Lambertini, Mattia Riefolo, Giorgio Durante, Phillipe Loher, **Roberta Roncarati**, Cristian Bassi, Cosimo Misciali, Massimo Negrini, Isidore Rigoutsos, Eric Londin, and Annalisa Patrizi & Manuela Ferracin, *Unraveling the role of microRNA/isomiR network in multiple primary melanoma pathogenesis. Cell Death & Disease*. May (2021) 12:473 Doi.org/10.1038/s41419-021-03764-y

25- **Roberta Roncarati,** Laura Lupini, Elena Miotto, Elena Saccenti, Susanna Mascetti, Luca Morandi, Cristian Bassi, Debora Rasio, Elisa Callegari, Valentina Conti, Rosa Rinaldi, Giovanni Lanza, Roberta Gafà, Alberto Papi, Antonio Frassoldati, Silvia Sabbioni, Franco Ravenna, Gian Luca Casoni, and Massimo Negrini**.** *Molecular testing on bronchial washings for the diagnosis and predictive assessment of lung cancer. Molecular Oncology.* Article accepted on 5 May, 2020.DOI:10.1002/1878-0261.12713

24- Bruna Gigante, Laura Papa, Anja Bye, Paolo Kunderfranco, Chiara Viviani**, Roberta Roncarati,** Carlo Briguori, Ulf de Faire, Matteo Bottai & Gianluigi Condorelli**.** *MicroRNA signatures predict early*

major coronary events in middle-aged men and women". Cell Death & Disease *volume 11, Article number: 74 (2020)*

23-**Roncarati R,** Lupini L., Shankaraiah R. C, Negrini M. *"The Importance of microRNAs in RAS Oncogenic Activation in Human Cancer"* Front Oncol. *2019; 9: 988. doi: 10.3389/fonc.2019.00988*

22-Lupini L., Moretti A., Bassi C., Schirone A., Pedriali M., Querzoli P., **Roncarati R.**, Frassoldati A. & Negrini M. *"High-sensitivity assay for monitoring ESR1 mutations in circulating cell-free DNA of breast cancer patients receiving endocrine therapy"* Scientific Reports volume 8, Article number: 4371 (2018). Published: 12 March 2018

21-Roncarati, R., Viviani Anselmi, C., Losi, M.A., Papa, L., Cavarretta, E., Da Costa Martins, P., Saccani Jotti, G., Latronico, M.V.G., Galastri, L., De Windt, L., Betocchi, S., Condorelli, G. *"Circulating miR-29a, among other up-regulated microRNAs, is the only biomarker for both hypertrophy and fibrosis in patients with hypertrophic cardiomyopathy".* Journal of the American College of Cardiology. J Am Coll Cardiol. Volume 63, Issue 9, 11 March 2014, Pages 920-927

20-Chiara Viviani Anselmi, Carlo Briguori, **Roberta Roncarati**, Laura Papa, Gabriella Visconti, Amelia Focaccio, Francesca De Micco, Michael V.G. Latronico, Paolo Pagnotta, and Gianluigi Condorelli. *"Routine Assessment of On-Clopidogrel Platelet Reactivity And Gene Polymorphisms In Predicting Clinical Outcome Following Drug-Eluting Stent Implantation In Patients With Stable Coronary Artery Disease"* JACC: Cardiovascular Interventions, Volume 6, Issue 11, November 2013, Pages 1166–1175

19-Anselmi, Chiara Viviani; Briguori, Carlo; **Roncarati, Roberta**; Papa, Laura; Visconti, Gabriella; Focaccio, Amelia; De Micco, Francesca; Latronico, Michael VG; Pagnotta, Paolo; Condorelli, Gianluigi; ",Reply: platelet reactivity is preferred over genotyping in monitoring efficacy of antiplatelet therapy, JACC: Cardiovascular Interventions,7,4,448-449,2014,JACC: Cardiovascular Interventions

18-**Roberta Roncarati,** Chiara Viviani Anselmi, Peter Krawitz, Giovanna Lattanzi, Yskert von Kodolitsch, Andreas Perrot, Elisa di Pasquale, Laura Papa, Paola Portararo, Marta Columbaro, Alberto Forni, Giuseppe Faggian, Gianluigi Condorelli and Peter N Robinson. "Doubly heterozygous LMNA and TTN Mutations Revealed by Exome Sequencing in a Severe Form of Dilated Cardiomyopathy". Eur J Hum Genet. 2013 Oct;21(10):1105-11. doi: 10.1038/ejhg.2013.16. Epub 2013 Mar 6.

17-Rivera NV1, Carreras-Torres R, **Roncarati R**, Viviani-Anselmi C, De Micco F, Mezzelani A, Koch W, Hoppmann P, Kastrati A, Stewart AF, Chen L, Roberts R,Karssen LC, Amin N, Trimarco V, Izzo R, Iaccarino G, Condorelli G, Puca AA, Pagnotta P, Airoldi F, Trimarco B, van Duijn CM, Condorelli G, Briguori C. " *Assessment of the 9p21.3 locus in severity of coronary artery disease in the presence and absence of type 2 diabetes.*" BMC Med Genet. 2013 Jan 23; 14:11

16-Cristina Mennia, Lucia Boffia, Francesca Cesana, Chiara Viviani Anselmi, Stefano Nava, Francesca Bertola, Anna Maria Di Blasio, **Roberta Roncarati,** Valentina Trimarco, Marina Marino, Bruno

Tri marco, Guido Grassia, Cristina Giannattasioa, Giuseppe Mancia" *Variant on chromosome 9p is associated with left ventricular mass: results from two cohorts of essential hypertensives." Journal of Hypertension* Volume 30, Issue 11, November 2012, Pages 2144-2150

15-**Roberta Roncarati,** Michael VG Latronico, Beatrice Musumeci, Stefania Aurino, Annalaura Torella, Marie-Louise Bang, Giulia Saccani, Annibale A Puca, Massimo Volpe, Vincenzo Nigro, Camillo Autore and Gianluigi Condorelli. *"Unexpectedly Low Mutation Rates in beta-Myosin Heavy Chain and Cardiac Myosin Binding Protein Genes in Italian Patients with Hypertrophic Cardiomyopathy."* Journal of Cellular Physiology, (2011), 226(11)2894-900.

14-Malovini, A., Illario, M., Iaccarino, G., Villa, F., Ferrario, A., **Roncarati, R.**, Viviani Anselmi, C. Novelli, V., Cipolletta, E., Leggiero, E., Orro, A, Rusciano, M. R., Milanesi, L., Maione, A.S, Condorelli, G., Bellazzi R., Puca, A.A. *"Association study on long-Living Individuals from Southern Italy Identifies rs10491334 in CAMKIV which Regulates Survival Proteins".* Rejuvenation Research 2011 Jun;14(3):283-91. DOI: 10.1089/rej.2010.1114

13-Viviani Anselmi, C., Ferreri, C., V Novelli, **Roncarati, R.**, Bronzini, R., Marchese, G., Somalvico, F., Condorelli, G., Montenero, A.S., Puca, A.A. *"Fatty acid percentage in erythrocyte membranes of atrial flutter/fibrillation patients and controls"*. J Interv Card Electrophysiol. 2010 Mar;27(2):95-9.

12- Viviani Anselmi, C., Malovini, A., **Roncarati, R.**, Novelli, V., Villa, F., Condorelli, G., Bellazzi, R., Puca, A.A. *"Association of FOXO3A locus with extreme longevity in the Southern Italian Centenarian Study".* Rejuvenation Research, 2008 *vol. 12; p. 95-103, ISSN: 1549-1684, doi: 10.1089/rej.2008.0827.*

11-Viviani Anselmi, C., Novelli, V., **Roncarati, R.,** Malovini, A., Bellazzi, R., Bronzini, R., Marchese, G., Condorelli, G., Montenero A.S., Puca, A.A. *"Association of rs2200733 at 4q25 with atrial flutter / fibrillation diseases in Italian population". H*eart. 2008 Nov; 94(11):1394-6.

10-Novelli V, Viviani Anselmi C, **Roncarati R**, Guffanti G, Malovini A, Piluso G, Puca AA. *"Lack of replication of genetic associations with human longevity".*Biogerontology. 2008 Apr;9(2):85-92.

9-Condorelli, G., Drusco, A., Stassi, G., Bellacosa, A., **Roncarati. R.,** Iaccarino, G., Russo, M. A., Gu, Y., Dalton, N., Chung, C., M. V. G. Latronico M. V. G., Napoli, C., Sadoshima J., Cioce C. M., and John Ross, Jr *"Akt induces enhanced myocardial contractility and cell size in vivo in transgenic mice."* Proc Natl Acad Sci USA, (2002) 99: 12333-8.

8-Tarr, PE, Contursi, C., **Roncarati. R.,** Noviello, C., Ghersi, E., Scheinfeld, MH., Zambrano, N., Russo, T., D' Adamio, L. *"Evidence for a role of Nerve Growth Factor Receptor Trk A in Tyrosine Phosphorylation and Proccesing of β-APP".* Biochem BiophysRes Commun. (2002), 295; 324-329.

7-Borghi R., Pellegrini L., Lacana' E., Diaspro A., Pronzato M.A., Vitali A., **Roncarati R.** Strocchi P., Zaccheo D., D' Adamio L. & Tabaton M. *"Neuronal apoptosis is accompanied by amyloid β-protein accumulation in the endoplasmic reticulum".* J Alzheimer's Disease (2002) 4: 31-7.

6-Tarr PE, **Roncarati R,** Pelicci G, Pelicci PG, D' Adamio L. *"Tyrosine phosphorylation of the β-amyloid precursor protein cytoplasmic tail promotes interaction with Shc".* J Biol Chem. (2002) 277: 16798-804.

5-Roncarati R, Sestan N, Scheinfeld MH, Berechid BE, Lopez PA, McGlade JC, Rakic P, D' Adamio L. *"The gamma-secretase-generated intracellular domain of beta-Amyloid precursor protein binds Numb and inhibits Notch signaling".* Proc Natl Acad Sci USA, (2002) 99: 7102-7.

4-Scheinfeld, M.H., **Roncarati. R.,** Vito, P., Lopez, P.A., Abdallah, M., and D' Adamio, L. *"Jun NH2-terminal kinase (JNK) interacting protein 1 (JIP1) binds the cytoplasmic domain of the Alzheimer's beta-amyloid precursor protein (APP)".* J Biol Chem. (2002) 277, 3767-75.

3-Condorelli, G., **Roncarati. R.,** Ross, J., Pisani, A., Stassi, G., Todaro, M., Trocha, S., Drusco, A., Gu, Y., Russo, M.A., Frati, G., Jones, S.P., Lefer, D., Napoli, C., G., Croce, C.M. *"Heart-targeted over expression of caspase 3 in mice increases infarct size and depresses cardiac function".* Proc.Natl.Acad.Sci USA (2001) 98: 9977-82.

2-Esposito, E., **Roncarati. R.** Cortesi, R., Cervellati, F., Nastruzzi, C. "Production *of Eudragit micro particles by spray-drying technique: influence of experimental parameters on morphological and dimensional characteristics.*" Pharm. Dev. Technol. (2000) 5: 267-78.

1-Condorelli, G., Morisco, C., Stassi, G., Notte, A., Farina, F., Sgaramella, G., de Rienzo, A, **Roncarati. R.** Trimarco, B., Lembo, G. *"Increased cardiomyocyte apoptosis and changes in proapoptotic and ant apoptotic genes bax and bcl-2 during left ventricular adaptations to chronic pressure overload in the rat."* Circulation (1999) 99: 3071-8.

Abstract in journals:

3-Di Pasquale E, Nakahama H, Kunderfranco P, Miragoli M, Forni A, **Roncarati R**, Carullo P, Faggian G, Condorelli G. *"Generation of iPSC-based cardiomyocytes for investigating mechanisms of dilated cardiomyopathy due to Lamin A/C mutations* "Cardiovascular Research. Volume 103, Issue suppl 1, 15 July 2014(abstract)

2-Jones SP; Girod WG; Stassi G; **Roncarati R**; Condorelli G; Jefferson T; Lefered DJ; *"Cardiomyocyte apoptosis is attenuated following myocardial ischemia-reperfusion injury in transgenic mice overexpressing bcl-xl in the heart"*Circulation issue: 17, volume: 98, (1998) supplement:, S pages: 74 - 74(abstract)

1- G Condorelli, A Pisani, T Jefferson, G Stassi, **R Roncarati**, T Ryoke, YS Gu, CM Croce, J Ross *"Targeted expression of CASPASE 3 in transgenic mice induces contractile disfunction and cardiomyocyte degeneration which is prevented by Bcl-xl"* Circulation. (1998) Volume 98, N.17, Pag461-462(abstract)

Abstracts

References:

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I authorize, without reservation, the processing of personal data according to D. Lgs. 196/2003 on privacy

Roberta Roncarati