

## CURRICULUM VITAE

### 1. PERSONAL HISTORY

Name: Luisa Mestroni  
Place of Birth: Trieste, Italy  
Status: Married to Orfeo Sbaizero, PhD, Professor of Material Engineering, University of Trieste, Italy / Adjoint Professor, Division of Cardiology, CU Anschutz Medical Campus; two sons: Santheno and Ordheno.  
Citizenship: USA Citizen  
Address: 1) Clinical: University of Colorado Hospital Cardiac & Vascular Center  
Anschutz Inpatient Pavilion  
12605 East 16th Avenue, Mail Sop B120  
Aurora, CO 80045  
2) Research: University of Colorado Cardiovascular Institute (CU-CVI) Research  
Complex 2, Room P15-8021, 12700 E. 19th Ave., Mail Stop F442, Aurora, CO  
80045-2507 U.S.A.  
Phone: (303) 724-0577  
Fax: (303) 724-0858  
e-mail: [Luisa.Mestroni@cuanschutz.edu](mailto:Luisa.Mestroni@cuanschutz.edu)  
<http://www.ucdenver.edu/academics/colleges/medicalschoo/departments/medicine/Cardiology/research/BasicTranslationalResearch/Pages/MestroniLab.aspx>  
Language skills: English  
Italian (fluent)  
German (beginner)  
Spanish (beginner)  
Other languages studied: Latin, Old Greek

### 2. EDUCATION

1973-1979 BS/MD, University of Trieste School of Medicine, Trieste, Italy  
1979-1980 Residency and National Board of Medicine, University of Trieste School of Medicine, Trieste, Italy  
1980-1984 Cardiology Specialization, University of Trieste School of Medicine, Trieste, Italy  
1989 National Board of Cardiology, Ministry of Health, Italy  
1997-2000 ECFMG and USMLE Step 3, US Licensure in Medicine

### 3. ACADEMIC APPOINTMENTS

1981-1993 Cardiology Assistant, Division of Cardiology, University Hospital, Trieste, Italy  
1991-1998 Scientific Assistant for Health Related Problems to the Director General; Molecular Cardiology Coordinator, International Centre for Genetic Engineering and Biotechnology (ICGEB), United Nations System, Trieste, Italy  
1993-1998 Senior Attending in Cardiology, Division of Cardiology, University Hospital, Trieste, Italy  
1998-2006 Associate Professor of Medicine/Cardiology, Division of Cardiology, Department of Internal Medicine, UCHSC, Denver, Colorado  
1998-2021 Attending, Heart Failure and Cardiovascular Genetics, Division of Cardiology, UCH  
1998-present Graduate Training Faculty, Fellowship Program, Division of Cardiology, University of Colorado Denver  
1999-present Graduate Training Faculty, Graduate School, Human Medical Genetics Program (HMGP), UCD  
2002-present Graduate Training Faculty, Graduate School, Clinical Science Program (CLSC), UCD  
2002-present Adjunct Professor, University of Rome 2 Tor Vergata , Rome, Italy

2004-present Graduate Training Faculty, Biomedical Science Program, UCD  
2005-present Attending, Cardiology Fellows Clinic, UCD/UCH  
2006-present Professor of Medicine/Cardiology, Division of Cardiology, Department of Internal Medicine, UCD  
2009-present Visiting Professor, Graduate School of Nanotechnology and SOM, University of Trieste, Trieste, Italy  
2014-present US Coordinator, Bilateral Agreement, University of Trieste, Trieste, Italy  
1998-present Attending, Inherited Cardiomyopathy Management Clinic, Division of Cardiology, UCH  
1998-present Director, Molecular Genetics Program, University of Colorado cardiovascular Institute

#### **4. HOSPITAL, GOVERNMENT OR OTHER PROFESSIONAL POSITIONS**

1979-1991 Echocardiography, Coronary Care Unit, Intermediate Care Unit, Division of Cardiology, Trieste University Hospital, Trieste, Italy  
1979-1998 Cardiomyopathy and Heart Failure Clinic, Division of Cardiology, Trieste University Hospital, Trieste, Italy  
1982 Physician and Researcher, Langtang-Lirung (7463 m) Himalayan Expedition, Italian Alpine Club (CAI), Nepal  
1989 Visiting Researcher, Cardiology Advanced Therapies Clinic, University of Utah Hospital, Salt Lake City, Utah  
1998-present Director, Molecular Genetics, University of Colorado Cardiovascular Institute  
1999-present Director, Adult Medical Genetics Program, Dept. of Internal Medicine, UCHSC  
1999-present Director, Cardiovascular Genetics Clinic, Division of Cardiology, University of Colorado Hospital  
2003-2005 Assistant Secretary-General of the United Nations  
2003-2005 Managing Director, International Center for Science and High Technology ICS-UNIDO (United Nations Industrial Development Organization), AREA Science Park, Trieste, Italy  
2008-2009 Senior Clinical Advisor, Cluster in BioMedicine (CBM), AREA Science Park, Trieste, Italy  
2009-present Visiting Professor, University of Trieste Graduate School, Nanotechnology Program (Italy)  
2010-present Visiting Professor, University of Florence SOM (Italy)  
2011-2017 NIH/CRS/CCHF Permanent Study Section member  
2017-2019 NIH/CRS Special Emphasis Panels Study Section Member  
2018-present Ad Hoc Study Section Member, Biomaterial and Biointerfaces Study Section (BMBI)

#### **5. HONORS, SPECIAL RECOGNITIONS & AWARDS**

1979 Magna cum laude, MD degree, University of Trieste, Italy  
1985 Magna cum laude, Specialization in Cardiology, University of Trieste, Italy  
1998 O-1 Visa: Person of Extraordinary Ability  
2003 Award of Tenure  
2003 Outstanding Mentor Award, UCHSC Graduate School, Clinical Science Program  
2004 Woman of the Year, FIDAPA-BPW (International Federation of Business and Professional Women), Trieste, Italy  
2004 Giovanni Battista Morgagni Lecture Award, Italian Society and Federation of Cardiology. Rome, Italy  
2005 Dean's Mentoring Award in recognition of exemplary thesis advising, Graduate School, UCHSC  
2011-2017 NIH/CRS/CCHF Permanent Study Section member  
2014 Western Society of Clinical Investigation Academic Achievement Award  
2018 2018 Distinguished Fellowship Awards, International Academy of Cardiology

## 6. MEMBERSHIP IN PROFESSIONAL ORGANIZATION

Fellow of the American College of Cardiology  
Fellow of the American Heart Association  
Fellow of the European Society of Cardiology  
Fellow of the American College of Physicians (ACP)  
Fellow of the Italian Hospital Cardiologists Association (A.N.M.C.O.)  
Member of the American Society of Human Genetics  
Member of the American Heart Association Council of Basic Science  
Member of the American Heart Association Council of Clinical Sciences  
Member of the American Medical Association  
Member of the European Society of Human Genetics  
Member of the American Chemical Society  
Member of the Hearsh Rhythm Society

## 8. MAJOR COMMITTEES AND SERVICE RESPONSABILITIES

### International Committees:

1995-1998 Member of the European Collaboration, Human Capital and Mobility Research Project (ERBCHRXCT940638) on Familial Dilated Cardiomyopathy, European Community  
1995-present Member of the Working Group on Myocardial and Pericardial Diseases, European Society of Cardiology  
1996 Member of the Scientific Committee of the Genetic Area, A.N.M.C.O.  
2005-present Committee for Research Evaluation (CIVR), Italian Ministry of University and Research (MIUR)  
2007-present Review Board Member, German National Genome Research Network (NGFN), Federal Ministry of Education and Research, Berlin, Germany  
2009-present Review Board Member, Agence Nationale de la Recherche, ANR, Paris, France  
2011-present UCD Coordinator, Bilateral Agreement with the University of Florence (Italy)  
2014-present UCD Coordinator, Bilateral Agreement with the University of Trieste (Italy)  
2022-present UCD Coordinator, Bilateral Agreement with the University of Naples "Federico II" (Italy)

### National Committees:

#### National Health Institute (NIH) Temporary-Ad Hoc Study Section Member

2000 – 2011 Reviewer, Clinical Research/Trials and Program Project Review Committees, and SEPs, NIH/NHLBI  
2001-2003 Data and Safety Monitoring Board, Multidisciplinary Study on Right Ventricular Dysplasia, NIH/NHLBI  
2005 Temporary member, GHD Study Section, CSR/NIH  
2006 – 2007 Temporary member, Clinical and Integrative Cardiovascular Science (CICS), CSR/NIH  
2010 Temporary member, Special Emphasis Panel, CSR/NIH  
2011- 2017 Permanent Member, CCHF Study Section, CSR/NIH  
2017-present Special Emphasis Panels, NIH/NHLBI

### American Heart Association:

2004-2008 American Heart Association, CV Development Committee Member  
2010-present American Heart Association, CV Biology 5 Committee Member  
2007-present American Heart Association Pacific Mountain Research Committee  
2013 Co-Chair, American Heart Association Cardiac Biology Regulation Committee

2014 Chair, American Heart Association, Cardiac Biology Regulation Clinical Committee  
2018 American Heart Association, Cardiac Biology CL Fellowship Committee Member  
2019 American Heart Association, Cardiac Biology CL Fellowship Committee Member  
2021 AHA Cardiac Biology Basic Sciences 1 – Study Session Member

#### **UCD SOM:**

2000-present Executive Committee, Human Medical Genetics Program, UCHSC  
2000-2003 Chair, Seminar Series Committee, Human Medical Genetics Program, UCHSC  
2007-present Post-Tenure Review Committee Member, Department of Internal Medicine, UCHSC  
2007-present Department of Internal Medicine Research Committee, UCD  
2011-present Intern Applicant Interview Committee Member, Department of Internal Medicine, UCD

#### **Leadership Positions:**

1991-1998 Coordinator, Molecular Cardiology research group, ICGEB, United Nations  
1998-present Director, Molecular Genetics, University of Colorado Cardiovascular Institute, UCD  
1999-2011 Director, Adult Medical Genetics Program, Dept. of Internal Medicine, UCD  
2003-2005 Managing Director of the International Center for Science and High Technology (ICS-UNIDO), United Nations. Personnel included 60 staff/consultants/fellows; annual budget of approx. 5 Million Euro. Projects: the development of novel programs including bio- and nanotechnology, telemedicine, renewable energy. Implementation of the structure of the Centre: establishment of a Rector, of an International Scientific Board with 5 Nobel Laureates, and of novel positions for international scientists.  
2008-2009 Senior Clinical Advisor, Cluster in BioMedicine (CBM), AREA Science Park, Trieste, Italy

#### **8. LICENSURES AND BOARD CERTIFICATION**

1980 Medical licensure, Italy, and European Union  
1989 National Board of Cardiology, Ministry of Health, Rome, Italy  
1998 ECFMG (USMLE Step 1, USMLE Step 2, Toefl)  
1998 Medical licensure, Colorado, USA  
2000 USMLE Step 3

#### **9. INTELLECTUAL PROPERTY AND PATENTS**

Taylor, Mestroni: US Patent 60/952,441 : Endothelin Single Nucleotide Polymorphisms and Methods of Predicting B-Adrenergic Receptor Targeting Agent Efficacy; International Patent Application No PTC/US2008/071342. US Nationalized PCT Patent Application 1/27/2010 Endothelin Single Nucleotide Polymorphisms and Methods of Predicting B-Adrenergic Receptor Targeting Agent Efficacy. Serial Number 12/670,966.

Mestroni, Ballerini, Long, Caldwell, Prato, Martinelli, Cellot, Toma, Zentilin: Invention Disclosure “Carbon nanotubes applications to modify electro-mechanical properties of cardiac myocytes”. CASE NUMBER CU2676H. U.S. Application No. 14/005,521. Patent Application No. 61/452,574 Title: *Carbon-Nanotube Modulation of Myocyte Cells* Filed: March 15, 2012, CU TTO File No. CU2676H-PPA1.

Park, Pena, Bosi, Mestroni, Prato: Invention Disclosure “Carbon nanotube-functionalized reverse thermal gel for cardiac tissue engineering”. CU TTO file number CU4362H-PPA1.

Brisa Pena Castellanos, Luisa Mestroni, Dae Won Park “Injectable Carbon Nanotube-Functionalized Hydrogel for miRNA Delivery”, CU Innovations File No. CU5253H

## 10. REVIEW AND REFEREE WORK

### Editorial Board:

2021-present Editorial Board: Circulation Research  
2020-present Associate Editor, International Journal of Cardiology  
2020-present Editorial Board, Journal of Clinical Medicine  
2018-present Editorial Board, Circulation: Genomic and Precision Medicine  
2015 Editorial Board Frontiers in Cardiovascular Medicine Topics: Research Topic "Current challenges in cardiovascular molecular diagnostics"  
2002-2015 Editorial Board, Journal of the American College of Cardiology

### Peer reviewed journals (selected):

Science  
Nature Genetics  
Lancet  
Circulation, Circulation Cardiovascular Genetics, Circulation Research  
Journal of American College of Cardiology  
Journal of Cardiac Failure  
American Journal of Human Genetics  
Human Genetics  
Human Molecular Genetics  
Genomics  
Molecular Genetics and Metabolism  
Journal of Molecular and Cellular Cardiology  
Heart (British Heart Journal)  
American Journal of Cardiology  
Journal of Neurological Sciences  
Nanomedicine  
Langmuir  
Scientific Reports

### Grants Review Panels:

NIH CCHF Permanent Study Section member (2012-2018)  
NIH Special Emphasis Panel, Multidisciplinary Study of Right Ventricular Dysplasia  
NIH Study section member (Ad Hoc): CICS; Genetics of Health & Disease; CCHF; BMBI  
NIH Special Emphasis Panels, PPG Review Panels  
NIH Site Visit, Baylor College  
NIH Cardiovascular and Respiratory Sciences SEPs (2017, 2019, 2020-Chair)  
NIH/NCATS Rare Disease Clinical Research SEP (2019)  
NIH Biomaterials & Biointerfaces Study Section – BMBI SEP (2021)  
American Heart Association, CV Development Study Section  
American Heart Association, CV Basic Science Study Section  
American Heart Association, Cardiac Biology Basic Sciences 1 (2021), Cardiac Bio CL Fellowship Committee (2017, 2019), Fellow-to-Faculty, Collaborative Science Award (2015, 2016, 2017)  
U. Delaware COBRE Program (2020)  
British Heart Foundation  
International Centre for Genetic Engineering and Biotechnology (UN)  
Muscular Dystrophy Association  
CIVR Experts Board, Ministry of University and Research, Italy  
National Research Foundation, South Africa  
German National Genome Research Network (NGFN-2), Federal Ministry of Education and Research,

Germany (2017, 2018)  
Agence Nationale de la Recherche, ANR, France  
VICI Program 2017, The Netherlands  
VENI Program 2018, The Netherlands  
The Sir Jules Thorn Award 2020, London, UK Research and Innovation  
Medical Research Council, UK Cardiovascular Genomics and Precision Medicine (2019)  
CCTSI – Colorado Clinical Translational Science Institute (2014-2019)  
Canada Genome (2017)

**11. INVITED EXTRAMURAL LECTURES, PRESENTATIONS AND VISITING PROFESSORSHIPS**  
**National Lectures and Invited Presentations (1999-present):**

- 1999 Molecular genetics of dilated cardiomyopathy, Heart Failure Society of America, San Francisco, CA
- 1999 Genetics and Cardiovascular Disease, Osteopathic Foundation, Colorado Springs, CO
- 2000 Genetic counseling in inherited cardiomyopathies in heart failure, Heart Failure Society of America, Boca Raton, FL
- 2002 Hypertrophic Cardiomyopathy: genetics and clinical implications, The Cardiovascular Intervention Society, Denver, Colorado
- 2002 Genetic origins of heart disease and heart failure, VIVA Program of Continuing Education, University of Denver (letter of appreciation of Maureen Cohen, HMGP Advisory Board)
- 2002 Dilated Cardiomyopathy Associated with Conduction Disease, American Heart Association 2002 Scientific Sessions, Cardiovascular Seminar, Chicago, IL
- 2004 Genotype-Phenotype correlations in dilated cardiomyopathy Keystone Symposia: Symposium on Molecular Biology of Cardiac Disease, Keystone, March 2004, Colorado
- 2004 Chairperson Session "Genetic Basis of Cardiomyopathies", American College of Cardiology 2004, New Orleans (March 2004)
- 2004 ICS: Science and Technology for Developing Countries. Focus on renewable energy and genomic applications Seminar, Pacific Northwest National Laboratories (DOE), Pasco, WA
- 2004 Genotype-phenotype correlations and their clinical implications in hypertrophic cardiomyopathy Heart Failure Society of America (HFSA), Toronto, Canada (September 13, 2004)
- 2004 The role of ICS-UNIDO in Capacity Building and Industrial Development, Engineers Without Borders International, Denver (September 2004)
- 2004 Linking Industrial development to Developing Countries, Sustainable Resources 2004, University of Colorado Boulder (September 2004)
- 2006 Genetics of cardiomyopathy, The Denver's Children Hospital Grand Round, September 2006
- 2008 Genetics of cardiomyopathies: 2008 update, California Pacific Medical Center, San Francisco (January 30, 2008)
- 2008 Genetics of cardiomyopathy 2008 - Thursday Symposia, Columbia University, New York (July 30, 2008)
- 2008 Genetics of HCM, 12th Annual Scientific Meeting of the Heart Failure Society of America, Toronto, Canada, September 2008
- 2008 Genetics in cardiovascular medicine, Heart Failure Society of America, Translating State of the Art Diagnosis and Treatment into Clinical Practice, November 1st 2008 Half Moon Bay, CA
- 2009 Chair "The Role of Genetic Testing in the Diagnosis and Management of Heart Failure.", American College of Cardiology 58th Annual Scientific Session, March 29, 2009, Orlando, Florida
- 2009 "Genetic Basis for Dilated Cardiomyopathy ", American College of Cardiology 58th Annual Scientific Session, March 29, 2009, Orlando, Florida

- 2010 "Titin Mutations Cause Arrhythmogenic Right Ventricular Cardiomyopathy", Best Abstract Award, American Heart Association Scientific Session, Chicago November 17, 2010
- 2012 "Pathogenesis and Molecular Diagnosis of Dilated Cardiomyopathy", SCVP Symposium: The Pathogenesis and Molecular Diagnosis of Cardiomyopathies, ASIP Annual Meeting at Experimental Biology 2012, April 21-25, 2012 - San Diego, CA
- 2014 "Natural history of titin mutations in human cardiomyopathies", University of Arizona Tucson, Division of Cardiology and Physiology Department, Tucson, Arizona January 17, 2014
- 2014 "Nanoscience and the heart: carbon nanotube scaffolds for cardiac tissue engineering", WAP Meeting, Carmel, January 23, 2014
- 2014 "Genetic causes of dilated cardiomyopathy", 3<sup>rd</sup> International Conference on Cardiomyopathy in Children, Bethesda May 15<sup>th</sup> 2014
- 2014 "Tissue engineering", Doctorate in Nanotechnology, University of Trieste, Trieste October 14<sup>th</sup> 2014
- 2014 "Genetic Testing in Dilated Cardiomyopathy", AHA Scientific Sessions, Chicago November 17<sup>th</sup> 2014
- 2015 "Sodium Channel Gene Mutations and Cardiomyopathy" Heart Rhythm Society 2015, Boston May 15<sup>th</sup> 2015
- 2015 "ARVC Registry: Colorado-Trieste FC Registry Team: Boston May 2015 Report", ARVC North American Registry Meeting, HRSA, Boston, May 2015
- 2015 Inter-Leducq Meeting Tucson: presentation of the TNE "Molecular Genetics, Pathogenesis and Protein-Replacement Therapy in Arrhythmogenic Cardiomyopathy", Tucson March 15, 2015
- 2015 "ARVC Registry: Colorado-Trieste FC Registry Team: Boston November 2015 Report", ARVC North American Registry Meeting, AHA Scientific Sessions, Orlando, November 2015
- 2016 "ARVC Registry: the International FC Registry Team - San Francisco May 2016 Semiannual Report", ARVC North American Registry Meeting, HRSA, San Francisco, May 4, 2016
- 2016 Invited Lecture, Cardiovascular Research Center Icahn School of Medicine at Mount Sinai, New York October 20, 2016
- 2017 State-of-the-Art Lecture: Arrhythmogenic Cardiomyopathies. 2017 Western Medical Research Conference, Carmel, January 26, 2017
- 2017 "How I integrate genotype and clinical factors to help my HCM patients understand when and why they need a primary prevention ICD". Heart Rhythm Scientific Sessions, Chicago, May 12 2017
- 2017 "ARVC Registry: the International FC Registry Team – Chicago May 2017 Semiannual Report", ARVC North American Registry Meeting, HRSA, Chicago, May 11, 2017
- 2018 "Genetics in the management of dilated cardiomyopathy", International Academy of Cardiology - Boston 2018
- 2019 "ARVC: incidence and detection of heart failure", The Johns Hopkins 20th Anniversary ARVC Program Arrhythmogenic Right Ventricular Cardiomyopathy International Symposium, Baltimore May 6, 2019
- 2019 "The 2019 HRS Expert Consensus Statement on Evaluation, Risk Stratification, and Management of Arrhythmogenic Cardiomyopathy: Diagnosis and Management of Left-Sided ACM Case Study", HRS 2019, San Francisco May 2019
- 2019 "Arrhythmogenic Cardiomyopathies: Update on Diagnosis and Management", Colorado Arrhythmia Symposium, Boulder September 15, 2019
- 2020 Western Medical Research Conference, Cardiovascular II Session Chair, Carmel CA
- 2021 Western Medical Research Conference, Cardiovascular II Session Chair, (Virtual Conference), January 29-30, 2021
- 2021 "Clinical and genetic features of arrhythmogenic cardiomyopathy: the heart failure perspective", Children Cardiomyopathy Foundation Virtual meeting, March 5<sup>th</sup>-6<sup>th</sup> 2021
- 2021 Stanford Inherited Cardiovascular Disease Seminar Series, "Arrhythmogenic

- Cardiomyopathies: discovering the role of FLNC”, April 7<sup>th</sup> 2021  
2021 Heart Rhythm Society, Boston August 2021  
2021 “Dilated cardiomyopathy”, BioMarin Pharmaceutical Inc. CA (Virtual presentation)  
2022 Western Medical Research Conference, Cardiovascular I Session Chair, Carmel CA  
2022 Key Note: “Arrhythmogenic Cardiomyopathies”, New York Academy of Sciences “Artificial Intelligence & Engineered Tissues to Mend Broken Hearts”, October 26-27, 2022

**International Lectures and Invited Presentations (1999-present):**

- 2000 Dilated cardiomyopathies, 10th Course of Medical Genetics, San Giovanni Rotondo, Italy  
2000 Genetic basis of dilated cardiomyopathy, National Research Council, Pisa, Italy  
2000 Identification of genes for dilated cardiomyopathy: methods and strategies, National Research Council, Pisa, Italy  
2000 Heart Failure Update Venice 2000, European Society of Cardiology, Venice, Italy  
2000 Molecular genetics of dilated cardiomyopathy, 15th International Meeting in Cardiology, Athens, Greece  
2001 Molecular Genotyping, mutation screening, Strategic Alliance meeting, Istituto Mario Negri, Bergamo, Italy  
2001 Modifier genes, polymorphisms for CRD/CHF, Strategic Alliance meeting, Istituto Mario Negri, Bergamo, Italy  
2001 Meetings in molecular medicine: heart failure, Molecular Medicine in tumors and heart disease, Trieste, Italy  
2002 Genetics of Heart Failure, CAD in the New Millennium, University of Rome, Italy  
2002 Familial dilated cardiomyopathy epidemiology, Cardiology Meetings 2002, Cardiology Department, University Hospital of Trieste, Italy  
2003 Genetic screening in dilated cardiomyopathies, Cardiomyopathy 2003, Rome, Italy  
2003 Dilated cardiomyopathy: genetic and phenotype heterogeneity, 64<sup>th</sup> Session of the Italian Society of Cardiology, Rome, Italy  
2004 ICS-UNIDO: a link to biotechnology, Biotechnology Global Forum, Concepcion, Chile (March 2004)  
2004 Dilated Cardiomyopathy: Many roads lead to a broken heart Division of Cardiology Seminar, University Hospital of Trieste, Trieste, Italy (July 16, 2004)  
2004 Genetics and the clinical cardiologist: what everybody needs to know, Cardiology Meetings: Heart Failure and Cardiomyopathies, Trieste, Italy (October 10, 2004)  
2004 Giovanni Battista Morgagni Lecture: Classification of cardiomyopathies: a revision based on molecular genetics discoveries. SIC (Italian Society of Cardiology), Rome (December 13, 2004)  
2004 Dilated cardiomyopathies: clinical implications of advances in molecular genetics, SIC, Rome (December 13, 2004)  
2004 Water, Heart and Science, FIDAPA-BPW, Woman of the Year Award Lecture, Trieste, Italy (December 2004)  
2005 The ICS Nanotechnology Project , North-South Dialog on Nanotechnology: challenges and opportunities, International Center for Science and High Technology, UNIDO, Trieste, Italy (February 12, 2005)  
2005 Basic knowledge in DCM, European Conference on Myocardial Diseases, European Society of Cardiology, Venice (February 18, 2005)  
2005 Genetics of Cardiomyopathies, 20th International Meeting on Clinical Cardiology, Athens, Greece (May 7, 2004)  
2005 The contribution of genetics in the classification of cardiomyopathies, National Congress of Cardiology, National Association of Hospital Cardiologists (ANMCO), Florence, Italy  
2005 Cellular and molecular mechanisms in cardiomyopathies: a bridge between biology and engineering, CENMAT University of Trieste, 11/21/2005



- 2005 Changes in cardiac gene expression in myocardial hypertrophy and dysfunction: a genomic medicine perspective, Conference on "From myocardial hypertrophy to heart failure" University of Pavia, Ghisleri College, Pavia (Italy), October 25th, 2005
- 2006 Dilated cardiomyopathy and genetics, Conference on "Cardiovascular clinical genetics: the cardiomyopathy model", University of Padua, Vicenza (Italy) January 26, 2005
- 2006 Chair, VI Main Session, Conference [Know and treat the heart], Florence (Italy) 3/25/2006
- 2006 Cardiomyopathies: diseases of the cytoskeleton, sarcomere, metabolic and ion channel, Cardiology Meetings: Heart Failure and Cardiomyopathies, Trieste, Italy (October 6, 2006)
- 2006 Virology and genetics: is there something new? Conference on Myocarditis: from diagnosis to therapy, University of Udine (Italy) November 25, 2006
- 2007 Genetics and molecular biology in diagnostics and therapy of primary cardiomyopathies, FAODI XII National Congress, Rome, Italy
- 2007 Genetics of cardiomyopathies: real contribution to the clinical management of patients, Italian Society of Cardiology (S.I.C.) Meeting, Rome, Italy (12/16/2007)
- 2008 Genetics of cardiomyopathies: where are we? Can we expect a real contribution to daily clinical management?, "2008 Cardiology meetings: heart failure and cardiomyopathies", October 2008, Trieste, Italy
- 2008 From Cardiovascular Genetics to Nanomedicine, CBM (Cluster in BioMedicine) Retreat, September 2008, Trieste, Italy
- 2008 Personalized medicine and nanomedicine, Workshop on Modern Trends in Nanobiology and Nanomedicine, October 13-14, 2008, AREA Science Park, Trieste, Italy
- 2009 Mechanisms and genetics in adult cardiomyopathies: what s new? , International Meeting on Heart Failure and Cardiomyopathies 2009: Controversial Issues, ICTP April 17th 2009, Trieste, Italy
- 2009 The interface between single gene disorders and complex traits: the heart failure case 2nd PROCARDIS Annual Meeting, Mario Negri Institute of Pharmacological Research, Milan, Italy, April 21-22, 2009
- 2009 Advances in Human Genetics and Potential Impact in Life Insurance, in 2nd Global Life Underwriting Seminar, Generali Insurance Group, Stazione Marittima Conference Center, May 12th 2009, Trieste, Italy
- 2009 [Stories of science and women] Round Table, Spazio Villas San Giovanni Park, March 8th 2009
- 2009 Heart failure with preserved ejection fraction, ANMCO FVG CME Meeting, Palmanova March 14th 2009
- 2009 [Personalized medicine: from Dolly sheep to heart genetics], Medicine & Food Colloquia, Chamber of Commerce, Trieste, Italy, September 24th 2009
- 2009 How genetics and environmental factors contribute to clinical expression in cardiomyopathies, Italian Society of Cardiology (S.I.C.) meeting, Rome, Italy (12/15/2009)
- 2010 "Heart failure and personalized therapies: from monogenic disorders to pharmacogenomics", Conoscere e curare il cuore Meeting, Florence (Italy) March 28, 2010
- 2010 Personalized medicine: from monogenic disease to pharmacogenomics, Postgraduate Medical School University of Trieste (Italy)
- 2010 "Future development of nanotechnologies in medicine in Trieste and Friuli-Venezia Giulia" Round Table Panelist, "The emerging role of nanotechnology in Life Sciences" Trieste - Italy June 21, 2010
- 2010 "Stratification of risk in hypertrophic cardiomyopathy: clinical or genetic?" 6<sup>th</sup> Course for Electrophysiology Laboratory Personnel, Conegliano (Italy) October 22, 2010
- 2011 "From heart muscle to biotechnology: adventures of a physician between genetics and nanoscience", University of Udine School of Medicine, May 10<sup>th</sup> 2011, Udine (Italy)
- 2011 "Screening for Familial Dilated Cardiomyopathy", International Seminar: New Insights in Cardiomyopathies Thessaloniki (Greece) - 10 June 2011

- 2011 "Dilated Cardiomyopathy: Phenotypes and Natural History" International Seminar: New Insights in Cardiomyopathies Thessaloniki (Greece) - 10 June 2011
- 2011 "Arrhythmogenic right ventricular dysplasia/cardiomyopathy: novel insights in a life-threatening disorder", International Academy of Cardiology, Vancouver (Canada) July 2011
- 2011 Chair, ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY ", International Academy of Cardiology, Vancouver (Canada) July 2011
- 2011 "Genetics in the diagnosis of Cardiomyopathies", XVII Conference of Clinical Cardiology, Oristano (Italy) October 2011
- 2012 Key Note: "Molecular medicine and genetics in Cardiology: which consequences for the clinical cardiologist?", ANMCO Regional Meeting, Monfalcone (Italy) January 28<sup>th</sup>, 2012
- 2012 "Genotyping and clinical management of dilated cardiomyopathy", 2<sup>nd</sup> Florence International Symposium on Advances in Cardiomyopathies & 9<sup>th</sup> Meeting of the Myocardial and Pericardial Disease WG, European Society of Cardiology, Florence (Italy) September 26-28, 2012
- 2012 "Genetics of dilated cardiomyopathy: how to distinguish between the speculative aspects and the real clinical impact in patients management?", Heart Failure and Cardiomyopathies 2012, Trieste (Italy) October 12, 2012
- 2012 "Diagnosis and prognosis of cardiomyopathies at risk of malignant arrhythmias: hypertrophic cardiomyopathy", 7<sup>th</sup> National Theoretical-Practical Course for Arrhythmology Laboratory Physicians, Nurses, Engineers and Technicians, Castelbrando (Italy), October 24-26, 2012
- 2013 Chair: Italy meets Asia:Scientific Venue in Kyoto 2013, THE SODOH, KYOTO HIGASHIYAMA, Kyoto (Japan) April 26<sup>th</sup>, 2013
- 2013 "Personalized medicine in cardiomyopathies", Cardiovascular center, University Hospital, Trieste (Italy)
- 2013 "Personalized medicine in dilated cardiomyopathy", INTERNATIONAL ACADEMY OF CARDIOLOGY, Vancouver July 26<sup>th</sup>, 2013
- 2014 Titinopathies and cardiomyopathy phenotypes: DCM only?" INHERITANCE. INtegrated HEart Research In TrANslational genetics of dilated Cardiomyopathies in Europe. The "genetic- based nosology, Stresa, Italy, May 10<sup>th</sup> 2014
- 2014 "Update on Familial Dilated Cardiomyopathy" CARDIOSTIM, Niece (France), June 20<sup>th</sup>, 2014
- 2014 "Genetics of Cardiomyopathies", Meetings in Cardiology: heart failure and cardiomyopathies [Incontri in Cardiologia: scompenso cardiaco e cardiomiopatie], Trieste (Italy) October 10<sup>th</sup> 2014
- 2015 "Genetics of Dilated Cardiomyopathy", ISHNE (International Society of Holter and Noninvasive Electrophysiology), Lyon (France), June 2015
- 2015 "The Familial Cardiomyopathy Registry", 1<sup>th</sup> Semiannual Meeting of the AC-GGPT Leducq TNE, London August 2015
- 2015 "How modifier genes and SNPs may explain different clinical presentation and outcome in cardiomyopathies", III Florence International Symposium on Advances In Cardiomyopathies, Florence (Italy), October 2015
- 2015 "The role of genetics in the management of patients with cardiomyopathies", SIC, Italian Society of Cardiology, Rome December 2015
- 2016 Invited lecture: Novel genetic models for Arrhythmogenic Right Ventricular Cardiomyopathy, *Advances in Rare Cardiovascular Diseases*, University College London, London July 1<sup>st</sup>, 2016
- 2016 Symposium Organizer and Chair: *Advances in arrhythmogenic cardiomyopathy: from basic science to clinical management*. S.I.C.-Italian Society of Cardiology 77 Annual Meeting, Rome December 18, 2016

- 2016 Meeting Organizer and Chair: *Advances in arrhythmogenic cardiomyopathy: from basic science to clinical management*. Leducq Transatlantic network of Excellence 14-CV003 Annual Meeting, Rome December 18, 2016
- 2017 State of the Art Lecture: *Arrhythmogenic cardiomyopathies: state of the art*, Western Association of Physicians (WAP) annual meeting, Carmel January 26, 2017
- 2017 Invited lecture: *How I Integrate Genotype and Clinical Factors to Help My HCM Patients Understand When and Why They Need A Primary Prevention ICD*, Heart Rhythm Society Scientific Sessions, Chicago May12, 2017
- 2017 State of the Art Lecture: *Genetic assessment in dilated cardiomyopathy*, European Society of Cardiology, Barcelona August 28, 2017
- 2017 Invited lecture: *When the geneticist is needed*, Symposium: Heart Failure and Genetics, Italian Society of Cardiology, Rome December 17, 2017
- 2018 Session Moderator and Leader Reviewer: Cardiology III-Cardiac regeneration, 2018 Western Medical Research Conference, Carmel, January 25-27, 2018.
- 2018 Invited lecture: *Correlation genotype-phenotype in cardiomyopathies: prognostic and therapeutic role*. [Incontri in cardiologia] Heart failure and cardiomyopathies Meeting, October 2018
- 2018 Invited lecture: *New strategies for diagnosis and treatment in dilated cardiomyopathy. Clinical insights from the genetics of dilated cardiomyopathy*, European Society of Cardiology, Munich 2018
- 2019 Chair "Cardiomyopathies: translating innovations", European Society of Cardiology, Paris 2019
- 2022 Key Note: *The genetics of dilated cardiomyopathy*, University of Padua Winter School: STRUCTURAL SUBSTRATES OF SUDDEN DEATH IN THE YOUNG: FROM GENES TO THERAPY, Padua March 28-31, 2022
- 2022 Invited lecture: *Genetics in cardiomyopathies: future perspectives*, International Symposium on "Advances in heart failure, cardiomyopathies and pericardial diseases", Menarini Foundation, Trieste (Italy), April 22-23, 2022
- 2022 Invited lecture: *Ricadute cliniche della genetica nella DCM: update*, Incontri in cardiologia - Novità su scompenso cardiaco e cardiomiopatie" Trieste (Italy) October 14-15, 2022.
- 2022 Invited lecture: "*Genetics in CMPs: future perspective*", ESC Working Group on Myocardial & Pericardial Diseases, Turin October 7-8, 2022

**Previous Relevant Invited Lectures (1979-1998):**

International Society for Heart Research  
Harvard Medical School, Boston  
European Society of Cardiology  
Working Group on Myocardial and Pericardial Diseases of the European Society of Cardiology  
Working Group on Heart Failure of the European Society of Cardiology  
Italian Society of Cardiology (SIC) and Internal Medicine  
French Society of Cardiology  
German Society of Cardiology  
International Society for Holter and Noninvasive Electrocardiology

**Visiting Professorships:**

- 2002 Course on Pathophysiology of heart failure (10 hours course), Cardiology Fellowship, University of Rome 2 Tor Vergata School of Medicine, Italy
- 2004 Course on Pathophysiology of heart failure (10 hours course), Cardiology Fellowship, University of Rome 2 Tor Vergata School of Medicine, Italy
- 2005 Molecular biology in the assessment of cardiomyopathies, Master of Advanced Medical Sciences - Seminar in Cardiology, University of Trieste Medical School, Italy

- (1/18/2005)
- 2007 Course on Pathophysiology of heart failure (10 hours course), Cardiology Fellowship, University of Rome at Tor Vergata School of Medicine, Italy
- 2008 Course on Pathophysiology of heart failure (10 hours course), Cardiology Fellowship, University of Rome at Tor Vergata School of Medicine, Italy
- 2002-present Adjunct Professor, University of Rome (Italy)
- 2009-present Visiting Professor, University of Trieste, Graduate School of Nanotechnology and School of Medicine, Trieste (Italy)
- 2010-present Visiting Professor, University of Florence School of Medicine, Florence (Italy)

**National and International Collaborations (selected):**

- Jeffrey A. Towbin, MD, Professor of Pediatrics/Cardiology, Cincinnati Children Hospital MC, University of Cincinnati
- Frank Marcus, MD, Emeritus Professor of Medicine, University of Arizona Tucson, AZ
- Jeffrey Saffitz, Mallinckrodt Professor of Pathology, Harvard Clinical & Translational Science, Center, Boston, MA
- Christine and Jon Seidman, Smith Professor of Medicine Harvard Medical School, Boston, MA
- A.J. Marian, Professor and Director, Center for Cardiovascular Genetic Research
- George and Mary Josephine Hamman Foundation Distinguished Professor in Cardiovascular Research, University of Texas HSC
- Thomas Weber, Associate Professor of Cardiology, Icahn School of Medicine at Mount Sinai, New York
- Wojciech Zareba, Professor of Medicine/Cardiology, University of Rochester, NY
- Giacinto Scoles, PhD, Donner Professor of Science, Chemistry Department, Princeton University, Princeton, NJ
- Roop Mahajan, PhD, Chair Professor, Dept. of Mechanical Engineering, University of Colorado at Boulder, CO
- Nicola Longo MD PhD, Medical Genetics/Pediatrics, University of Utah, Salt Lake City, UT
- William J McKenna, MD, Professor of Cardiology, St. George Hospital Medical School, London, United Kingdom
- Francesco Muntoni, MD, Professor, Neuromuscular Unit, Hammersmith Hospital, Royal Postgraduate Medical School, London, United Kingdom
- Alessandro De Vita, PhD, Lecturer in Physics, King s College of London, London, UK
- Roland Foisner, PhD, Professor and Chair, Section of Molecular Cell Biology, Department of Medical Biochemistry, Vienna Biocenter, Medical University Vienna, Vienna, Austria
- Francisco Baralle, MD, PhD, Director General, International Centre for Genetic Engineering and Biotechnology, (UNO)
- Mauro Giacca, MD, PhD, Professor and Director, International Centre for Genetic Engineering and Biotechnology, (UNO), Trieste Center, Italy
- Francesco Romeo, MD, Professor and Chair, Division of Cardiology, University of Rome 2 Tor Vergata, Rome, Italy
- Gianfranco Sinagra, MD, Associate Professor and Head, Division of Cardiology, and Andrea Di Lenarda, MD, Head, Cardiovascular Center, University Hospital, University of Trieste Medical School, Italy
- Calum A. MacRae, MD, PhD, Massachusetts General Hospital, Cardiology Division and Cardiovascular Research Center
- Maurizio Prato, PhD, Professor and Director, Nanotechnology Group, University of Trieste (Italy)
- Laura Ballerini, MD, Associate Professor of Biophysics, B.R.A.I.N. Laboratory, University of Trieste (Italy)
- Joseph Wu, MD, PhD, Professor and Director of the Stanford Cardiovascular Institute and the Simon H. Stertzer, MD, Professor of Medicine and Radiology

Euan Ashley, MD, PhD, Associate Dean, School of Medicine, Roger W. And Joelle G. Burnell  
Professor of Genomics, Professor of Genetics, of Biomedical Data Science, and Victoria Parikh,  
MD, Cardiovascular Medicine, Stanford SOM

Sanjay Prasad, MD, Professor of Cardiomyopathy, Imperial College London, Consultant in  
Cardiology and Cardiovascular, Magnetic Resonance, Royal Brompton Hospital

## 12. TEACHING RECORD

### Presentations to Medical Students, House Officers and Fellows:

- 1998 Molecular Genetics of Dilated Cardiomyopathy, Cardiology Grand Round, UCHSC
- 1999 Molecular Genetics of Inherited Cardiomyopathies, Medical Grand Rounds, UCHSC
- 2000 Medical Consequences of Advances in Human Genetics, Cardiology Grand Round, UCHSC
- 2000 Dilated Cardiomyopathy: a disease of the cytoskeleton, Cardiology Research Conference, UCHSC
- 2000 Medical Consequences of Advances in Human Genetics, Oncology Research Conference, UCHSC
- 2001 Genetics of Cardiomyopathy, Cardiovascular Research Conference, UCHSC
- 2001 Update on Advances in Cardiomyopathy Genetic Research, Patient Education Conference, CUCVI
- 2002 Cardiology Grand Round: Genomic medicine and heart disease, UCHSC
- 2003 2nd Update on Advances in Cardiomyopathy Genetic Research, Patient Education Conference, CUCVI (September 2003)
- 2004 "Dilated cardiomyopathy: many roads to a broken heart" Cardiovascular Research Conference, UCHSC (September 27, 2004)
- 2004 "The genetic basis of heart failure: many roads to a broken heart", Dept. of Medicine Research Day UCHSC (November 20, 2004)
- 2005 Cardiomyopathies 2005: update and new challenges, Cardiology Grand Round, UCHSC (October 7, 2005)
- 2006 Journal Club, Heart Failure group (Physicians, Nurse Practitioners, Fellows, Nurses), 5/23/06
- 2006 Genetics of cardiomyopathy, Grand Rounds in Clinical Genetics and Metabolism, The Children's Hospital, Denver September 6, 2006
- 2009 "Cardiomyopathies 2009: from genomics to personalized medicine", Cardiology Grand Round, UCD (February 6, 2009)
- 2011 "Personalized Cardiac Medicine", Presbyterian-St. Luke's Medical Center Grand Round, CME activity - 22 July 2011
- 2012 Division of Cardiology Grand Round, May 18, 2012
- 2013 Department of Medicine Research and Innovation Conference: "Nanoscience and the heart: improving cardiomyocyte performance by carbon nanotubes", October 10, 2013
- 2014 Division of Cardiology WIP (Work In Progress): "The NanoCardioLab" July 11, 2014
- 2015 Division of Cardiology WIP (Work In Progress): "Updates of the Mestroni/Taylor Lab: Transcriptome analysis of AC and Biomechanics in normal and LMNA mutant cardiomyocytes," July 07, 2015
- 2016 Cardiovascular Research Conference "Arrhythmogenic dilated cardiomyopathy: natural history and genetic determinants", January 11, 2016
- 2017-present "Heart Failure with Reduced Ejection Fraction" and "Cardiomyopathies", monthly lectures for the Residents in CCU Rotation
- 2018 Cardiovascular Research Conference "Arrhythmogenic cardiomyopathies & *mechanotransduction going wrong*", October 15, 2019
- 2018 Cardiology Grand Round "Update on arrhythmogenic cardiomyopathies

- 2019 & guide to the guidelines”, October 12, 2018  
Cardiovascular Research Conference “*Genetics and the Heart: from Bench to Bedside*”, October 7, 2019
- 2020 SOM Advanced Sciences Curriculum Pilot: *Genetics in Sudden Cardiac Death*, October 13<sup>th</sup> 2020
- 2022 SOM Advanced Sciences Curriculum Pilot: *Genetics in Sudden Cardiac Death*, January 5<sup>th</sup> 2022

**Presentations to UCD Graduate Students:**

- 1999 Molecular Genetics of Dilated Cardiomyopathy, HMGP Seminar, UCHSC
- 2000 Molecular Genetics of Heart Disease, HMGP Retreat, UCHSC
- 2001 Genetics of Cardiomyopathies, HMGP Retreat, UCHSC
- 2002 Genetics, Cardiovascular Disease Epidemiology Course, Biometrics 10.16. 2002, UCHSC
- 2002 Genetics of Cardiomyopathies, HMGP Retreat, UCHSC
- 2005 Unraveling the molecular genetics of heart failure , HMGP Seminar, UCHSC (March 31, 2005)
- 2005 Introducing the CUCVI Molecular Genetics Program HMGP, UCHSC 8.19.05
- 2005 Genetics of Cardiomyopathies, HMGP Retreat, UCHSC
- 2016, 2017 WIP: Introduction to Mestroni/Taylor Lab, July 8<sup>th</sup> 2016 and 2017
- 2018-present Fellows projects presentation: The Mestroni-Taylor lab, September 2018

**Courses:**

- 2005 Cardiovascular Physical Exam teaching, December 1st, 2005
- 2006 Cardiovascular Physical Exam teaching, April 4th, 2006

**Organization of International Conferences:**

- 2005 North-South Dialog on Nanotechnology: challenges and opportunities, International Center for Science and High Technology, UNIDO, Trieste February 2005 (Italy)
- 2008 Workshop on Modern Trends in Nanobiology and Nanomedicine, AREA Science Park October 2008, Trieste (Italy)
- 2016 ARVC Workshop, Rome (Italy) August 27, 2016
- 2019 The Leducq conference 2018, September 14, 2019, Boulder Colorado

**Clinic Attending Duties:**

- 1998-present Supervision and bedside teaching of Cardiology Fellows and Housestaff, Heart Failure/Heart Transplant Clinic, 11 hours/week
- 2000-present Supervision and bedside teaching of Cardiology Fellows, Residents, Genetic Counselor Students, and Housestaff, Cardiovascular Genetics Clinic, 5 hours/week
- 2005-present Cardiology Fellows Clinic, teaching and supervision
- 2005-present Cardiology Attending, Electrocardiography Reading Panel (6 weeks/year)
- 2005-2020 In-Patient Service, Cardiology Consult and CCU Attending (8 weeks/year)
- 2020-present In-Patient Service, Cardiology Consult Attending (8 weeks/year)

**Patient Education:**

- 2001 Cardiovascular Genetics Clinic brochure
- 2003- 2004 Genetics Gazette
- 2003 Familial Dilated Cardiomyopathy, Cardiology Patient Page (<http://www.americanheart.org>" [www.americanheart.org](http://www.americanheart.org); Circulation)
- 2018 Patient Laboratory Tours

**Key Administrative Positions:**

1999-present Executive committee member, Human Medical Genetics Program, UCHSC  
 2000-2003 Chair, Seminar Series Committee, Human Medical Genetics Program, UCHSC  
 2003-2005 Seminar Series Committee, Human Medical Genetics Program, UCHSC  
 2007-present Department Research Committee, UCHSC  
 2007-present Department Post-Tenure Committee, UCHSC

**Specific Accomplishments:**

2000 Organizer, Sadler Lecture 2000: Prof. L. Luca Cavalli-Sforza, Stanford University, Genetics of Human Origins  
 2002-present Organizer, CUCVI Molecular Genetics Seminars  
 1998-present Collaboration in the organization of Seminars for the Cardiology Grand Round and Cardiovascular Research Conferences, Div. of Cardiology, UCHSC

**Past teaching activities (1979-1998):**

1979-1998 Cardiology Fellowship training, seminars and lectures  
 Graduate School training, seminars and lectures  
 Health Care Technicians  
 Staff  
 International visiting scientists  
 Organization of seminars and conferences  
 Patient's education

**Teaching Awards:****AWARDS RECEIVED BY DR. MESTRONI IN RELATION TO HER TEACHING ACTIVITY**

Outstanding Mentor Award, Graduate School, UCHSC, 2003  
 Dean's Mentoring Award in recognition of exemplary thesis advising, Graduate School, CLSC and HMGP, UCHSC, 2005

**AWARDS RECEIVED BY DR. MESTRONI'S STUDENTS**

Dr. Mathew Taylor, MD: Outstanding Student Award, Graduate School, UCHSC  
 Dr. Matthew Taylor, MD: David Haack Memorial Award for Clinical Research, Astra Zeneca Young Cardiovascular Investigator's Conference, San Diego 2004  
 Sharon Wang, HMGP PhD Student, Individual National Research Service Award (NRSA) Fellowship  
 W. Park McNair, HMGP PhD Student, AHA Pre-doctoral Award, 2006  
 Dr. Brisa Pena Castellanos, Post-Doctoral Fellow: T32 Fellowship Award 2014, NHLBI Diversity fellowship 2014, BCVS Travel Award 2015  
 Marta Gigli, Italian Society of Cardiology Meeting 2017  
 Dr. Suet Nee Chen, AHA Career Development Award, 2019  
 Dr Brisa Pena, Instructor, NIH K25 Award, 2019 (Mentor)

**Trainees and Mentees:**

Name	Degree	Position	Year	Institution	Project	Current Position
Di Lenarda, Andrea	MD	Pre-, Post-Doctoral	1986-90	University of Trieste, Italy	Natural history of dilated cardiomyopathy	Head, Cardiovascular Center, University Hospital, Trieste, It
Sinagra, Gianfranco	MD	Post-Doctoral	1987	University of Trieste, Italy	Dilated cardiomyopathy	Head, Division of Cardiology, Associate Professor, University Hospital, Trieste, It
Rocco, Chiara	MD	Pre-, Post-Doctoral	1993-1997	University of Trieste, Italy	Familial dilated cardiomyopathy	Cardiology Assistant, Tolmezzo Hospital, It

November 17, 2022

Krajnovich, Maja	MD, PhD	Post-Doctoral	1992-1995	International Center for Genetic Engineering and Biotechnology (ICGEB) (U.N.O.)	Molecular genetics of autosomal dominant familial dilated cardiomyopathy	Professor of Genetics, Cancer Center Charles Bruneau, University of Montreal, Canada Pending promotion for Associate Professor, 2005
Severini, Gianmaria	PhD	Post-Doctoral	1991-1995	ICGEB	Molecular genetics of arrhythmogenic right ventricular dysplasia	Head, Clinical Genetics, Children's Hospital Research Institute, Trieste, It
Vatta, Matteo	PhD	Pre-doctoral	1994-1998	ICGEB	Molecular genetics of familial dilated cardiomyopathy	Assistant Professor, Molecular Cardiology, Baylor College of Medicine, Houston, TX
Zerial, Tatjana	MS	Pre-Doctoral	1997	ICGEB	Modifier genes in familial dilated cardiomyopathy	PhD Graduate student, Southern's Lab, Oxford, UK
Milasin, Jelena	PhD	Post-Doctoral	1995-1997	ICGEB	Molecular genetics of X-linked DCM	Associate Professor, University of Belgrade, YU
Miocic, Snjezana	MD	Post-Doctoral	1996-1998	ICGEB	Molecular genetics of dilated cardiomyopathy with skeletal muscle involvement	Research fellow, ICGEB, UN Research Fellow, Max-Planck Institute, Munich (Germany)
Matulic, Maja	PhD	Post-doctoral	1996-1997	ICGEB	Arrhythmogenic right ventricular dysplasia	University of Zagreb, Croatia
Zolty, Ronald	MD	Post-Doctoral	1998-2000	University of Colorado	Actin mutations in dilated cardiomyopathy	Director Heart Transplant Program, Albert Einstein, NY
Taylor, Matthew RG	MD	Post-Doctoral	2000-2001	University of Colorado	Lamin mutations in dilated cardiomyopathy	UCD Associate Professor Director, AMGP Clinic
Barnes, Carl	MD	Post-Doctoral	2000	University of Colorado	Molecular genetics of arrhythmogenic right ventricular dysplasia	UCHSC - VA Internal Medicine Attending
Rodriguez-Hatz, Beatriz		Undergraduate	1999-2001	University of Colorado	Molecular genetics of SNC5A gene	BS
McNair, W. Park		Undergraduate	2001-2002	University of Colorado	Molecular genetics of SNC5A gene	Graduate student, UCHSC Medical Student
Wang, Sharon	BS	Graduate	2000	University of Colorado	Molecular genetics of SNC5A gene	HMGP Graduate student, PhD
Li, Patrick	BS	Graduate	2001-present	University of Colorado	Genetic variation of the ET system	HMGP Graduate student
Startari, Umberto	MD	Visiting Researcher	2001	CNR Pisa Italy	Familial Dilated Cardiomyopathy	Cardiology Assistant
Clementi, Fabrizio	MD	Visiting Scientist	2002	University of Rome 2-Italy	CHF and FDC	Cardiology Assistant
Lovskin, Alexander		Undergraduate	2001-	University of Colorado	Molecular genetics of SNC5A gene	Undergraduate student
Carniel, Elisa	MD	Post-Doctoral	2002-2005	University of Trieste, Italy	Sarcomeric genes in dilated cardiomyopathy: alpha-MHC	Cardiology Fellow 2004 UCHSC Resident 2005-2008 Attending, SJMC, Denver
Marxfiled, Melissa	BS	Graduate	2001	University of Colorado	Sarcomeric genes in dilated cardiomyopathy: troponin T	HMGP Graduate Student,
Long, Brian	MD	Post-Doctoral	2002	University of Colorado	Sarcomeric genes in dilated cardiomyopathy: troponin T	UCHSC Internal Medicine Resident
Taylor, Matthew RG	MD	Graduate	2002-2005	University of Colorado	PhD Mentor on Lamin mutations in dilated cardiomyopathy	PhD UCHSC Graduate School CLSC



November 17, 2022

Yoon, Hye-Ryung	MD	Visiting Professor	2002	Seul Medical Science Institute	DHPLC methodology	Director, Molecular Genetics Laboratory, Seul Korea
Ku, Lisa	MS	Genetic Counselor	2001-2005	University of Colorado	Clinical Cardiovascular Genetics	Study Coordinator, NIH 1R01HL69071-01
Feiger, Jenny	MS	Genetic Counselor	2001-2005	University of Colorado	Adult Medical Genetics	Adult Medical Genetics Clinic Coordinator
Jaszynski, Jean	MS	Graduate	2002	University of Colorado	Sarcomeric genes in dilated cardiomyopathy: MHC7	HMGP Graduate Student,
McAnulty, Kyla		High School and college	2002-present	University of Colorado	Molecular biology and genetic basics	CUCVI Undergraduate Student Worker
Lakhani, Mehul	MD	MBA Graduate Student	2002-present	University of Colorado	Research Institute Management	Division of Cardiology Administrator
Ehringer, Marissa	BS	Graduate	2001-2002	University of Colorado	PhD Thesis Committee	PhD Post-doc, University of Colorado Boulder
Alkateb, Asem	BS	Graduate	2001-	University of Colorado	PhD Thesis Committee	PhD Post-doc
Li, Patrick	BS	Graduate	2003-present	University of Colorado	PhD Thesis Committee	HMGP Graduate student
McNair, W. Park	BA	Graduate	2002-present	University of Colorado	PhD Mentor on: Molecular genetics of SNC5A gene	HMGP Graduate Student
Eguaras, Angel A		undergraduate	2004	University of Colorado	NIH Short Term Training Grant 5 T35 DK07496-19	SOM Student
Adams, Christina	MD	graduate	2005	University of Colorado	Identification of a gene for FDC on chromosome 9	Int. Medicine Resident
Robertson, Michael	MD	Cardiology Fellow	2004-present	University of Colorado	Genetics of Congenital Heart Disease	Cardiology Fellow
Humphreys, Kurt		undergraduate	2005	University of Colorado	Endothelin polymorphisms in DCM	SOM Student
Miocic, Snjezana	MD	Visiting Scientist	2004-5	ICGEB	ZASP/Cyphr gene mutations in DCM	ICGEB researcher
Guy, Vanessa	BS	graduate	2005	University of Colorado	A rare alternative splicing causing DCM	HMGP student
Brun, Francesca	MD	Visiting Cardiology Fellow	2006-2013	University of Trieste, Italy	Arrhythmogenic Right Ventricular Dysplasia	Cardiology Assistant, University of Trieste Hospital
Moretti, Michele	MD	Visiting Cardiology Fellow	2007	University of Trieste, Italy	Genetics of titin gene in DCM and ARVD	Cardiology Assistant University of Trieste Hospital
Myklak, Kristene	BS, MS	Medical Student	2008	UCHSC	Nanotechnologies for the study of cardiomyopathies	Medical Student UCHSC
Merlo, Marco	MD	Visiting Cardiology Fellow	2008	University of Trieste, Italy	Genetics of sarcomeric genes in DCM	Cardiology Assistant University of Trieste Hospital
Valentina Martinelli	PhD	Post-Doc	2010-11	University of Trieste/ICGEB (UN)	Nano-biotechnology in cardiology	Research Fellow
Anita Spezzacatene		Medical Student	2012-2013	University of Trieste School of Medicine Italy	Arrhythmogenic Dilated Cardiomyopathy	Research Internship
Andreea Dragos	MD	Cardiology Fellow	2012-2013	University of Trieste School of Medicine Italy	Speckle tracking in ARVC	Research Fellowship
Charles Tharp	BS	MD Student	2014-2015	University of Colorado SOM	Research Rotation: Zebrafish models of cardiomyopathy	MD Student
Rene Begay	BS	Graduate Student	2014-2016	University of Colorado SOM	Titin and filamin C mutations in dilated cardiomyopathy	Master Student Degree in August 2016
Munir Chaudhuri	BS	MD Student	2014	University of Colorado SOM	Research Rotation: Carbon nanotube for	Internal medicine Resident, USC

November 17, 2022

					cardiac tissue engineering: analysis of transcriptome	
Amit Patel	MD	Cardiology Fellow	2014	University of Colorado SOM	Arrhythmogenic Right Ventricular Cardiomyopathy, transcriptome analysis	Cardiology Fellow
Mary Sweet	BA	HMGGP graduate student	2014-present	University of Colorado AMC Graduate School	Arrhythmogenic Cardiomyopathy: transcriptome analysis	Leducq Trainee - PhD graduation in 2018 Postdoctoral Fellow
Brisa Pena Castellanos	PhD	Postdoctoral Fellow, Bioengineering	2014-present	University of Colorado AMC - Cardiology	Cardiac Tissue Engineering	NHLBI Postdoctoral Fellow, AHA Instructor
Teisha Rowland	PhD	Postdoctoral Fellow, Cellular and Molecular Biology	2015-present	University of Colorado AMC - Cardiology	Induced Pluripotent Stem Cells - Cardiomyocytes as a model for the study of cardiomyopathies	Leducq Trainee-Postdoctoral Fellow
Ilaria Puggia	MD	Cardiology Fellow	2015	University of Trieste School of Medicine Italy	Research Rotation: arrhythmogenic genes in DCM; Pediatric Cardiology	Cardiology Assistant
Andrea Cocciolo	MD	Cardiology Fellow	2015	University of Trieste School of Medicine Italy	Desmosomal genes in arrhythmogenic dilated cardiomyopathy	Cardiology Assistant
Gaetano Morea	MD	Cardiology Fellow	2015	University of Trieste School of Medicine Italy	GWAS in DCM (a multicenter study with the Mayo Clinic)	Cardiology Assistant
Marta Gigli	MD	Cardiology Fellow	2016	University of Trieste School of Medicine Italy	Population screening of 24 major DCM disease genes	Leducq Trainee - Cardiology Assistant
Charles Tharp	MD	Internal Medicine Resident	2016-2018	University of Colorado SOM	Research Rotation: genome editing by CRISPR/Cas9	Cardiology Fellow
Melissa Laughter	BS	Bioengineering Graduate Student	2015-2016	University of Colorado AMC Bioengineering Dept.	Tissue Engineering with biopolymers	PhD in 2016, MD Student , UCD-AMC
Thomas Lanzicher	BS	Bioengineering Graduate Student	2017	University of Trieste Graduate School	AFM models of LMNA gene mutations	PhD
Ilaria Pecorari	BS	Bioengineering Graduate Student	2017-18	University of Trieste Graduate School	AFM models of Progeria	Post Doctoral Fellow
Daniele Borin	PhD	Bioengineering Post Doctoral Fellow	2017	University of Trieste Bioengineering-CEMS laboratory	AFM models of LMNA gene mutations	Post Doctoral Fellow
Suet Nee Chen	PhD	Post Doctoral Fellow	2017-18	University of Colorado AMC - Cardiology	iPSC-derived cardiomyocyte models of cardiomyopathies	Assistant Professor, AHA CDA 2019
Veronique Lachize	PhD	Post Doctoral Fellow	2018-2019	University of Trieste Bioengineering-CEMS laboratory	AFM models of LMNA gene mutations and FLNC	Postdoctoral Fellow
Nuria Alegret	PhD	ERC Marie Curie-Post Doctoral Fellow	2018-2019	University of the Basque Country, San Sebastian	Tissue engineering scaffolds with carbon nanotube	Postdoctoral Fellow
Ellen Schanshan Gao	PhD	Postdoctoral Fellow	2019-present	University of Texas Houston	iPSC-derived cardiomyocyte model of cardiomyopathies	Senior Research Scientist
Garrett Storm	BS	Undergraduate Student	2020-2021	University of Colorado Anschutz	Danon and Familial Cardiomyopathy Registries	Applicant to Medical School
Matteo Castrichini	MD	International cardiology Fellow	2021-2022	University of Trieste-SOM	Risk predictors of SCD in DCM: Imaging	Cardiology Fellowship
Kristen Medo	BS, MS	Graduate Student	2020-2021	Regis University - University of Colorado Anschutz	Study of outcome in genetic cardiomyopathy	Applicant to Medical School
Michele Zanetti	BS	International Graduate Student	2022	University of Trieste-School of nanotechnology	Biophysical properties of organoids and mutant cardiac cells	PhD graduation in November 2022

Mentor, Clinical Science Program (CLSC)

Matthew RG Taylor, MD, 2001-2005

Graduated in 2005

Co-Mentor: Rene Begay, Master program, 2015-2016

Mentor, Human Medical Genetics Program (HMGP)

William Park McNair, 2002-2008

Graduated in 2008

Co-Mentor: Mary Sweet, BA

Mentor, CCTSI TL1 Master program

Nzali Campbell, 2010-2013 (Clinical preceptor and Thesis advisor)

**Thesis committee membership**

HMGP students:

Marissa Ehringer, 2001-2002

Asem Alkateb, 2001-2003

Patrick Li 2003

CLSC students:

Deborah Hall, 2006 Comp Exam Committee

Deborah Hall, 2007 Thesis Committee

Bioengineering students

Melissa Laughter, Comp Exam Committee 2015

Melissa Laughter PhD Thesis Committee 2016

Tina Govindarajan, PhD Thesis Committee 2016

David Lee, Comp Exam Committee 2016, Thesis 2017

Ethan J Vanderslice, Comp Exam Committee 2017-2022

Adam Rocker, Com Exam and Thesis Committee 2020-2021

University of Trieste School of Medicine

Cardiology Fellowship Thesis Advisor:

Anita Spezzacatene (2013)

Ilaria Puggia (2016)

Andrea Cocciolo (2016)

Marta Gigli (2017)

Matteo Castrichini (2021-22)

Nanotechnology Graduate School, University of Trieste, Italy;

Final Exam Committee, April 8th 2009

Francesco Trotta

Cecilia Blasetti

Barbara Codan

Tiziano Gaiotto

Fauzia Jabeen

Giulio Scocchi

Rotation students

Mentor, HMGP Graduate Students,  
Sharon Wang, 2000  
Jean Jasinsky, 2001  
Patrick Li, 2001  
Vanessa Guy, 2005  
Kristen Medo, 2020-2021

Mentor, Internal Medicine Internship

Carl Barnes, 2000  
Brian Long, 2002  
Christina Adams, 2005  
Charles Tharp, 2014, 2015 and 2016  
Jeffrey Addison, 2019

Mentor, Undergraduate Students

Park McNair, 2000-2001  
Alexander Lovskin, 2001  
Angel A. Eguaras, NIH Short Term Training Grant 5 T35 DK07496-19, 2004  
Kurt Humphreys, 2005  
Sharon Bobel, 2006-2007  
Naomi Bennett, 2007-2008  
Kristine Miklak 2008  
Garrett Storm, 2019  
Mostafa Abdel-Hafiz, 2019 (Bioengineering BS/MS)

International Cardiology Fellows (Rotation – Bilateral Agreement):

Elisa Carniel, MD, Cardiology Fellow, University of Trieste School of Medicine (2002-2003)  
Francesca Brun, MD, Cardiology Fellow, University of Trieste School of Medicine (2006)  
Michele Moretti, MD, Cardiology Fellow, University of Trieste School of Medicine (2007)  
Marco Merlo, MD Cardiology Fellow, University of Trieste School of Medicine (2008)  
Andreea Dragos, MD, Cardiology Fellow, University of Trieste School of Medicine (2012)  
Ilaria Puggia, MD, Cardiology Fellow, University of Trieste School of Medicine (2015)  
Andrea Cocciolo, MD, Cardiology Fellow, University of Trieste School of Medicine (2015)  
Gaetano Morea, MD, Cardiology Fellow, University of Trieste School of Medicine (2015)  
Marta Gigli, MD, Cardiology Fellow, University of Trieste School of Medicine (2016)  
Matteo Castrichini, MD, Cardiology Fellow, University of Trieste School of Medicine (2021)  
Michele Zanetti, PhD student, University of Trieste School of Nanotechnology (2022)

**13. GRANT SUPPORT**

ACTIVE

NIH/ NHLBI 1R01HL153325-01      Mestroni, Taylor (PIs)      01/01/2020– 12/30/2023  
Mechanisms of arrhythmia and myocardial failure in filamin C cardiomyopathy  
The major goals of this project are to define the role of filamin C in cardiomyocytes structure and function using an iPSC-derived cardiomyocyte model.

14CVD03 Leducq Transatlantic Network of Excellence in Cardiovascular Research (Marian, McKenna, Mestroni, Weber, Clevers, Sbaizero)      1/1/2015 – 1/31/2021  
Leducq Foundation  
Molecular Genetics, Pathogenesis and Protein-Replacement Therapy in Arrhythmogenic Cardiomyopathy.

The Leducq TNE award promotes advancement of cardiovascular science through US-European collaborations: our project aims at the discovery and treatment of arrhythmogenic cardiomyopathy.

UL1 RR025870 Protocol New-1575 (Mestroni) 05/19/2008-04/30/2023

NIH/CCTSI

The Familial Cardiomyopathy Registry

This CCTSI funded project is devoted to the study of genetics of cardiomyopathies.

John P. Albright Foundation (Mestroni/Taylor) 06/01/2019-present

Nanotechnology for reconstructing damaged heart: engineering cardiac patches to repair cardiac function.

This project aims at the study of nanotechnology and cardiac tissue engineering and support young investigators, in collaboration with a multidisciplinary team.

EC Global Fellowships 753293 Alegret, Mestroni, Prato (PIs) 04/01/2018-02/31/2021

European Commission

Developing Smart 3D Scaffolds based on Conductive Polymers and Carbon Nanotubes for Cardiac Tissue Engineering — NanoBeat

Role: PI Mentor

Rose Foundation (Mestroni/Taylor) 3/1/2019-2/28/2020

Gene discovery in heart failure

The major goal of this project is to facilitate gene discovery in cardiomyopathies and heart failure.

#### PENDING

1 R01 HL156970-01 (Multi-PI Mestroni, Taylor, Wu) 12/01/2021-11/30/2026

NIH/NHLBI

Elucidating Molecular Mechanisms of Sudden Cardiac Death in Dilated Cardiomyopathy.

The major goal of this project is identify the mechanisms and the risk predictors of SCD in DCM, using iPSC-derived cardiomyocytes models and large patient cohorts.

Role: Corresponding PI

1R01HL135867-01 (Multi-PI Mestroni, Park) 07/01/2018 -11/30/2024

NIH/NHLBI

Smart Hybrid-Nanoengineered Biopolymer for Cardiac Tissue Engineering

This project aims at the development of next-gen biomaterial for tissue engineering using nanotechnology, in collaboration with an International multidisciplinary team

#### PAST GRANT SUPPORTS

R01 HL116906-01 (Multi-PI Towbin, Mestroni, Saffitz, Zareba, Marcus) 05/01/2013-06/30/2018

NIH/NHLBI

Mechanisms and Clinical Phenotypes of Arrhythmogenic Cardiomyopathy.

The major goal of this multi-center and multi-PI project is to investigate genotype-phenotype correlations in a large cohort of patients with arrhythmogenic right ventricular cardiomyopathy.

17GRNT33670495 GIA Mestroni (PI) 07/01/2017-06/30/2019

AHA

Cellular biomechanics in arrhythmogenic cardiomyopathy due to PKP2, LMNA and FLNC gene mutations.

The major goal of this project is to study cell mechanotransduction in arrhythmogenic cardiomyopathy.

Role: PI

R01 HL116906-PDS Mestroni, Pena (PIs) 07/01/2013-06/30/2017

Mechanisms and Clinical Phenotypes of Arrhythmogenic Cardiomyopathy.

The major goal of this Post-doctoral for Dr. Brisa Pena, PhD, supplement is to support innovative bioengineering research for next generation tissue engineering as a treatment for heart failure and cardiomyopathies.

Role: PI, Mentor

R01 HL109209 (Taylor, Mestroni Co-I) 12/01/2011-11/30/2017

NIH/NHLBI

Whole Exome DNA Sequencing to Identify Novel Genes in Dilated Cardiomyopathy.

The major goal of this project is to use whole-exome capture for gene discovery in dilated cardiomyopathy.

Foreman-Casali Foundation (Italy) (Mestroni) 03/01/2010-02/28/2019

Nano-biotechnology for cardiovascular disease.

This project aims at the study of single cell mechanics, proteomics and electrophysiology using micro-nanotechnology, in collaboration with a multidisciplinary team.

12GRNT11770055 (Mestroni) 07/01/2012-6/30/2014

AHA South Western Affiliate

Whole exome sequencing to discover dilated cardiomyopathy genes.

The major goal of this project is to use whole-exome capture as an innovative tool for gene discovery in dilated cardiomyopathy.

UL1 RR025870 "UCD/CSU Collaborative Pilot Project Award" 02/01/2014 – 01/31/2015

NIH/CCTSI

Characterization of zebrafish models of filamin C cardiomyopathy

UL1 RR025870 "NextGen sequencing pilot project" Award (Mestroni) 03/15/2012

NIH/CCTSI

Whole Exome Sequencing for Gene Discovery in Arrhythmogenic Right Ventricular Cardiomyopathy.

Goal of this project is to use whole-exome capture in the UCD NextGen Core to generate preliminary data in for gene discovery in arrhythmogenic right ventricular cardiomyopathy

FP7-PEOPLE-2011-IRSES 291834 Labeit (PI) 01/01/2012 – 12/31/2015

European Research Council

SarcoSi—Sarcomere based Signals in Muscle Remodelling

This grant "Marie Curie Actions—International Research Staff Exchange Scheme (IRSES)" aims at the exchange of students and scientists to study the function of the giant sarcomeric protein titin.

MO1 RR00051 Protocol 1575 09/01/2006-08/31/2008

NIH/GCRC

The Familial Cardiomyopathy Registry

This GCRC founded project is devoted to the study of genetics of cardiomyopathies.

HL07822 (Long) 07/01/2002-06/30/2008

NIH/NHLBI

Postgraduate training in Cardiovascular Medicine.

The major goal of this project is to develop a training program in cardiovascular medicine.

R95 RS&G (Mestroni) 10/1/2007-9/30/2008  
NIH/NHLBI  
Giant Gene Titin (TTN) Involvement in Dilated Cardiomyopathy.  
Goal of this project is to screen the giant gene titin in a large cohort of patients with various forms of cardiomyopathies utilizing the resources of the RS&G

1RO1HL69071 (Mestroni) 12/01/2001-11/30/2005  
NIH/NHLBI  
Molecular Epidemiology of dilated cardiomyopathy.  
The major goal of this project is to study the frequency, genotype/phenotype correlation and the clinical relevance of disease genes in dilated cardiomyopathy.

AHA0250271N (Mestroni) 01/01/2002-12/31/2004  
AHA National  
Identification of a gene for familial dilated cardiomyopathy on chromosome 9.  
The major goal of this project is the mapping of a gene for familial dilated cardiomyopathy on chromosome 9.

PN0007-056 (Mestroni) 01/01/2001-12/31/2003  
MDA  
Cytoskeletal gene mutations in dilated cardiomyopathy with variable skeletal muscle involvement.  
The major goal of this project is the study of genes encoding intermediate filaments of the nuclear membrane, and expressed in the cardiac myocytes as candidates for causing dilated cardiomyopathy, in particular forms with skeletal muscle dystrophy.

1R25RR17253-01(Leinwand) 10/01/2002-9/31/2005  
NIH/NCRR  
Denver Cardiovascular Health Education Partnership: Phase I  
The major goals of this project are: 1) to improve understanding of cardiovascular health and disease, understanding of the process of scientific inquiry, and interest in health science careers among low-income, urban, ethnically diverse, public middle school students; 2) to assist middle school science teachers to progress toward classroom practice that includes more emphasis on inquiry-based activities.

SOM AEF (Mestroni) 05/01/2006  
UCHSC  
The Familial Cardiomyopathy Registry  
Goal of this project is to bridge funding and maintain a high level of research in the field of genetics of cardiomyopathies.

K23 Career Development Award (Taylor, Mestroni Mentor) 07/1/2002-06/30/2007  
NIH  
Familial Dilated Cardiomyopathy: Genetic Characterization.  
Goal of this project is to mentor the research of a young investigator toward a career as independent scientist.

AHA 0615547Z (McNair, Mestroni Mentor) 07/01/2006-6/30/2008  
AHA Affiliate  
Analysis of Altered SCN5A Ion Channel Function in the Etiology of Dilated Cardiomyopathy.  
The major goal of this project is the elucidation of the role of mutant sodium ion channels in the

development and progression of dilated cardiomyopathy.

Fourjay Foundation (Gill, Polizzi, Mestroni)

07/01/1999-06/30/2000

Genotypic and phenotypic analysis in arrhythmogenic right ventricular cardiomyopathy (ARVC).

The major goal of this project is the analysis of the phenotype and genotype of familial right ventricular cardiomyopathy.

#### BEFORE 1998

European Union Commission

National Research Council (CNR), Italy

Italian Government

Telethon-Muscle Dystrophy Association, Italy

Philanthropic Foundations

#### **14. BIBLIOGRAPHY**

*h*-index 54, Citations: 12827 (Google Scholar accessed July 1<sup>st</sup>, 2021)

PubMed:<http://www.ncbi.nlm.nih.gov/sites/myncbi/luisa.mestroni.1/bibliography/43757899/public/?sort=date&direction=ascending>

#### **FULL LIST OF PUBLICATIONS**

##### **Publications in Peer-Reviewed Journals**

1. Klugmann S, Chersevani D, Mestroni L, Salvi S, Fonda F, Camerini F. Constrictive pericarditis and restrictive cardiomyopathy. Problems of differential diagnosis. *G Ital Emod* 1981;1:143.
2. Mestroni L, Fonda F, Camerini F. Ventricular arrhythmias in dilated cardiomyopathy. *N Engl J Med* 1982;309:377.
3. Mestroni L, Alberti E, Chersevani D, Fonda F, Klugmann S, Narducci P, Salvi S, Silvestri F, Camerini F. Restrictive myocardial diseases: experience in an university hospital. *Rev Lat Cardiol* 1982;3:153.
4. Valente M, Alberti E, Klugmann S, Mestroni L, Salvi A, Camerini F. Ischemic cardiomyopathy. Hemodynamic picture. *G Ital Emod* 1982;2:21.
5. Mestroni L, Narducci P, Scardi S, Silvestri F, Salvi A, Bareggi R, Camerini F. Endomyocardial biopsy in Fabry disease. *Rev Lat Cardiol* 1983;4:525.
6. Morgera T, Humar F, Mestroni L, Maras P, Camerini F. Captopril in the therapy of chronic heart failure. *G Ital Cardiol* 1983;13:39.
7. Camerini F, Mestroni L, Neri R, Humar F. Vasodilators in left ventricular failure. *G Ital Cardiol* 1984, 14:685.
8. Campello C, Dal Molin G, Gasparini V, Mestroni L, Salvi A, Camerini F, Majori L. Retrospective analysis of coxackie virus infection in congestive cardiomyopathy. *Boll Istit Sieroter Mil* 1984;63:325.
9. Camerini F, Mestroni L, Neri R, Salvi A, Silvestri F. Dilated cardiomyopathy: etio-pathogenesis. *Cardiologia* 1985;30:865.
10. Mestroni L, Neri R, Gori P, Maras P, Musitelli G, Camerini F. Guidelines for clinical trials of vasodilator drugs in chronic heart failure. *G Ital Cardiol* 1985;15:700.
11. Mestroni L, Neri R, Camerini F. ECG in dilated cardiomyopathy. *G Ital Cardiol* 1986;16:1009.
12. Neri R, Mestroni L, Salvi A, Camerini F. Arrhythmias in dilated cardiomyopathy. *Postgrad Med J* 1986;62:593.
13. Neri R, Mestroni L, Salvi A, Pandullo C, Camerini F. Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone. *Am Heart J* 1987;113:707.
14. Pinamonti B, Dreas L, Bussani R, Mestroni L, Silvestri F, Tanganelli P, Camerini F. Cardiac amyloidosis. Invasive and non-invasive diagnosis. *G Ital Cardiol* 1987;17:1016.
15. Mestroni L, Miani D, Neri R, DiLenarda AS, Camerini F. Ambulatory monitoring in



- cardiomyopathies. *G Ital Cardiol* 1987;17:1139.
16. Mestroni L, Neri R, Camerini F. Electrocardiograma en la miocardiopatía dilatada. *Rev Lat Cardiol* 1987;8:35.
  17. Mestroni L. Vasodilators in chronic congestive heart failure: effects on survival. *Inform Cardiol* 1987;5:19.
  18. Barbieri L, Mestroni L, Camerini F. Calcium-antagonists in congestive heart failure. *G Ital Cardiol* 1988;18:989.
  19. Mestroni L, Barbieri L, Dreas L, Sinagra G, Camerini F. Vasodilators: which, how, when. *Ital Cardiol* 1988;18:1065.
  20. Tanganelli P, Di Lenarda A, Bianciardi G, Salvi A, Silvestri F, Mestroni L, Camerini F. Correlation between histomorphometric findings on endomyocardial biopsy and clinical findings in idiopathic dilated cardiomyopathy. *Am J Cardiol* 1989;68:504.
  21. Ciaccheri M, Castelli G, Nannini M, Santoro G, Troiani V, Di Lenarda A, Miani D, Sinagra G, Mestroni L, Risoli A, Palli D, Dolara A, Camerini F. Prognostic evaluation of dilated cardiomyopathy: follow-up of 138 patients. *G Ital Cardiol* 1990;20:645.
  22. Mestroni L, Miani D, Di Lenarda A, Silvestri F, Bussani R, Filippi G, Camerini F. Clinical and pathologic study of familial dilated cardiomyopathy. *Am J Cardiol* 1990;65:1449.
  23. Camerini F, Bussani R, Di Lenarda A, Lardieri G, Mestroni L, Miani D, Pinamonti B, Salvi A, Silvestri F, Sinagra G.: Clinical aspects and haemodynamics in the follow \_ up of dilated cardiomyopathy and myocarditis. *Eur.Heart J* 1991;12(supp.D):193.
  24. Sinagra GF, Perkan A, Di Lenarda A, Lardieri G, Pinamonti B, Mestroni L, Miani D, Camerini F: Betablockers in the therapy of dilated cardiomyopathy: review of the literature and clinical experience in 67 patients. *G Ital Cardiol* 1992;22:969.
  25. Mestroni L, Giacca M, Severini G.M, Camerini F. Pathogenesis of dilated cardiomyopathy: recent progresses. *G Ital Cardiol* 1992;2:53.
  26. Bristow M.R, Minobe W, Rasmussen R, Larrabee P, Skerl L, Klein J.W, Anderson F.L, Murray J, Mestroni L, Karwnade S.V, Fowler M, Ginsburg R: fl-Adrenergic neuroeffector abnormalities in the failing human heart are produced by local rather than systemic mechanisms. *J Clin Invest* 1992;89:803.
  27. Sachero A, Casazza F, Recalcati F, De Maria R, Preti L, Mattioli R, Ferrari F, Capozzi A, Camerini F, e Gruppo SPIC (Mestroni L, et al.). Clinical and prognostic value of echocardiographic parameters in dilated cardiomyopathy: prospective study of 225 patients. *G Ital Cardiol* 1992;22:1077.
  28. De Maria R, Gavazzi A, Caroli A, Ometto R, Biagini A, Camerini F e Gruppo SPIC (Mestroni L, et al.): Ventricular arrhythmias in dilated cardiomyopathy as an independent prognostic hallmark. *Am J Cardiol* 1992;69:1451.
  29. Gavazzi A, De Maria R, Renosto G, et al, on behalf of the SPIC Group (Mestroni L, et al): The spectrum of left ventricular size in dilated cardiomyopathy: clinical correlates and prognostic implications. *Am Heart J* 1993;125:410.
  30. Camerini F, Mestroni L, Perkan A, Pinamonti B, Sinagra G. The classification of cardiomyopathies: is a revision needed? *G Ital Cardiol* 1993;23:729-733.
  31. Severini G.M, Mestroni L, Falaschi A, F. Camerini, Giacca M.: Nested polymerase chain reaction for high-sensitivity detection of enteroviral RNA in biological samples. *J Clin Microbiol* 1993;31:1345.
  32. Pinamonti B, Di Lenarda A, Sinagra GF, et al, for the Heart Muscle Disease Study Group (Mestroni L, et al). Restrictive left ventricular filling pattern in dilated cardiomyopathy assessed by Doppler echocardiography-clinical, echocardiographic and prognostic implications. *J Am Coll Cardiol* 1993; 22:808.
  33. Waagstein F, Bristow MR, Swedberg K, et al, fro the MDC Trial Study Group (Mestroni L, et al.). Beneficial effects of metoprolol in idiopathic dilated cardiomyopathy. *Lancet* 1993;342:1441.
  34. Camerini F, Perkan A, Sinagra G, ed il Gruppo di Studio sulle Malattie del Miocardio (Mestroni L,

- et al.). Myocarditis: epidemiologic and clinic assessment. *La cardiologia nella pratica clinica* 1994;3:161.
35. Giacca M, Severini GM, Mestroni L, Salvi A, Lardieri G, Falaschi A, Camerini F. Low frequency of detection by nested polymerase chain reaction of enterovirus ribonucleic acid in endomyocardial tissue of patients with idiopathic dilated cardiomyopathy. *J Am Coll Cardiol* 1994;24:1033.
  36. Krajinovic M, Mestroni L, Severini GM, Pinamonti B, Camerini F, Falaschi A, Giacca M. Absence of linkage between idiopathic dilated cardiomyopathy and candidate genes involved in the immune function in a large Italian pedigree. *J Med Genet* 1994;31:766.
  37. Krajinovic M, Ivanovic K, Mestroni L, Diklic V, Nikolis. Parental origin of the X chromosome in a patient with a Robertsonian translocation and Turner s syndrome. *J Med Genet* 1994;31:255.
  38. Mestroni L, Krajinovic M, Severini GM, Falaschi A, Giacca M, Camerini F. Molecular genetics of dilated cardiomyopathy. *Herz* 1994;19:97.
  39. Mestroni L, Morgera T, Miani D, Pinamonti B, Sinagra GF, Tanganelli P, Silvestri F, Camerini F. Idiopathic left ventricular aneurysm: a clinical and pathological study of a new entity in the spectrum of cardiomyopathies. *Postgrad Med J* 1994;70(Suppl.I): 13-20.
  40. Mestroni L, Giacca M. Familial dilated cardiomyopathy: a complex entity. *Newsletter of the Scientific Council on Cardiomyopathies* 1994;8:2.
  41. Caforio ALP, Keeling PJ, Zachara E, Mestroni L, Camerini F, Mann JM, Bottazzo GF, McKenna WJ. Evidence from family studies for autoimmunity in dilated cardiomyopathy. *Lancet* 1994;344:773.
  42. Mestroni L, Krajinovic M, Severini GM, Pinamonti B, Di Lenarda A, Giacca M, Falaschi A, Camerini F. Familial dilated cardiomyopathy. *Br Heart J* 1994;72(Suppl) 35.
  43. Mestroni L, Zachara E. Genetics of cardiomyopathies. *G Ital Cardiol* 1995;25:1469.
  44. Mestroni L, Krajinovic M, Severini GM, Milasin J, Pinamonti B, Rocco C, Vatta M, Falaschi A, Giacca M, Camerini F. Molecular genetics of dilated cardiomyopathies. *Eur Heart J* 1995;16:5.
  45. Krajinovic M, Pinamonti B, Sinagra GF, Vatta M, Severini GM, Milasin J, Falaschi A, Camerini F, Giacca M, Mestroni L. Linkage of familial idiopathic dilated cardiomyopathy to chromosome 9. *Am J Hum Genet* 1995;57:846.
  46. Camerini F, Di Lenarda A, Mestroni L, Perkan A, Sinagra G. Myocarditis and dilated cardiomyopathy. *Policl Sez Prat* 1995;102:335.
  47. Muntoni F, Wilson L, Morrosu G, Morrosu MG, Cianchetti C, Mestroni L, Ganau A, Dubowitz V, Sewry C. A mutation in the dystrophin gene selectively affecting dystrophin expression in the heart. *J Clin Invest* 1995;96:693.
  48. Gavazzi A, De Maria R, Purcu M, Bereta L, Casazza F, Castelli G, Luvini M, Parodi O, Recalcati F, Renosto G, Sinagra G, De Vita C, Camerini F, Baroldi G, e Gruppo SPIC (Mestroni L, et al.). Dilated cardiomyopathy: a new natural history? The experience of the Multicenter Italian Study on Cardiomyopathies (SPIC). *G. Ital. Cardiol.* 1995;25:1109.
  49. Mestroni L, Milasin J, Vatta M, Pinamonti B, Sinagra G, Rocco C, Matulic M, Falaschi A, Giacca M, Camerini F. Genetic factors in dilated cardiomyopathy. *Arch Mal Coeur* 1996;89(II):15.
  50. Milasin J, Muntoni F, Severini GM, Bartoloni L, Vatta M, Krajinovic M, Angelini C, Camerini F, Falaschi A, Mestroni L, Giacca M. A point mutation in the 5' splice site of the first intron of the dystrophin gene responsible for X-linked dilated cardiomyopathy. *Hum Mol Genet* 1996;5:73.
  51. Severini GM, Krajinovic M, Pinamonti B, Sinagra GF, Fioretti P, Brunazzi MC, Falaschi A, Camerini F, Giacca M, Mestroni L. A new locus for arrhythmogenic right ventricular dysplasia on the long arm of chromosome 14. *Genomics* 1996;31:193.
  52. Mestroni L, Milasin J, Vatta M, Pinamonti B, Sinagra GF, Rocco C, Matulic M, Falaschi A, Giacca M, Camerini F. Genetic factors in dilated cardiomyopathy. *Arch Mal Coeur* 1996;89 (II): 15.
  53. Pinamonti B, Di Lenarda A, Sinagra GF, et al, for the Heart Muscle Disease Study Group (MestroniL. et al). Familial right ventricular dysplasia with biventricular involvement and inflammatory infiltration. *Heart* 1996; 76:66.
  54. Mestroni L. Dilated cardiomyopathy - a genetic approach (invited editorial) *Heart* 1996

- 1997;77:185.
55. Mestroni L, Giacca M. Molecular genetics of dilated cardiomyopathy. *Curr Opin Cardiol* 1997;12:303.
  56. Muntoni F, Di Lenarda A, Porcu M, Sinagra G, Milasin J, Mateddu A, Cau M, Marrosu G, Giacca M, Ferlini A, Melis MA, Cianchetti C, Marrosu MG, Falaschi A, Camerini F, Mestroni L. Characterisation of dystrophin and alpha-sarcoglycan expression in patients with dilated cardiomyopathy. *Heart* 1997;78:608.
  57. Mestroni L, Rocco C, Vatta M, Sniezana M, Giacca M. Advances in molecular genetics of dilated cardiomyopathy. *Cardiol Clin* 1998;16:611-621.
  58. Di Lenarda A, Sabbadini G, Salvatore L, Sinagra G, Mestroni L, Pinamonti B, Gragori D, Ciani F, Muzzi A, Klugmann S, Camerini F. Long term effects of carvedilol in idiopathic dilated cardiomyopathy with persistent left ventricular dysfunction in spite of chronic metoprolol. *J Am Coll Cardiol* 1999.
  59. Mestroni L, Maisch B, McKenna WJ, Schwartz K, Rocco C, Tesson F, Wilke A, Komajda M. Guidelines for the study of familial dilated cardiomyopathies. *Eur Heart J* 1999;20:93-102.
  60. Mestroni L, Rocco C, Gregori D, Sinagra G, Di Lenarda A, Miodic S, Vatta M, Pinamonti B, Muntoni F, Caforio ALP, McKenna WJ, Falaschi A, Giacca M, Camerini F. Familial dilated cardiomyopathy: evidence for genetic and phenotypic heterogeneity. *J Am Coll Cardiol* 1999;34:181-190.
  61. Di Lenarda A, Sabbadini G, Salvatore L, Sinagra G, Mestroni L, Pinamonti B, Gregori D, Ciani F, Muzzi A, Klugmann S, Camerini F. Long-term effects of carvedilol in idiopathic dilated cardiomyopathy with persistent left ventricular dysfunction despite chronic metoprolol. *J Am Coll Cardiol* 1999;19:26-34.
  62. Muntoni F, Ferlini A, Sewry C, Mateddu A, Morrosu G, Porcu M, Di Lenarda A, Sinagra G, Mestroni L. Dilated cardiomyopathies and muscular dystrophies: which lesson can be learned? *Cardiologia* 1999;44(I):209-211.
  63. Brodsky GL, Muntoni F, Miodic S, Sinagra G, Sewry C, Mestroni L. A lamin A/C gene mutation associated with dilated cardiomyopathy with variable skeletal muscle involvement. *Circulation* 2000;101:473-476
  64. Brodsky GL, Muntoni F, Miodic S, Sinagra G, Sewry C, Mestroni L. Correspondence: A lamin A/C gene mutation associated with dilated cardiomyopathy with variable skeletal muscle involvement. *Circulation* 2001 - Response. *Circulation* 2001;103:e20.
  65. Sinagra G, Di Lenarda A, Brodsky G, Taylor M, Bristow MR, Muntoni F, Pinamonti B, Carniel E, Driussi M, Mestroni L. New Insights Into The Molecular Basis Of Familial Dilated Cardiomyopathy. *IHJ* 2001;2:280-286
  66. Gregori D, Rocco C, Miodic S, Mestroni L. Estimating the frequency of familial dilated cardiomyopathy in the presence of misclassification errors. *J. Appl. Statistics* 2001;28:53-62.
  67. Muntoni F. and Mestroni L. Dilated cardiomyopathy: role of clinical and instrumental evaluation of the neuromuscular system. *IHJ* 2002;3(4 ):399-404
  68. Startari U, Taylor M, Sinagra G, Di Lenarda A, Mestroni L. Dilated cardiomyopathy: etiology, clinical, diagnostic and screening criteria of familial forms. *IHJ* 2002;3:378-385.
  69. Taylor MRG, Fain P, Sinagra, Robinson ML, Robertson AD, Carniel E, Di Lenarda A, Bohlmeier TJ, Ferguson DA, Brodsky GL, Boucek MM, Lascor J, Moss AC, Li W-LP, Stetler GL, Muntoni F, Bristow MR, Mestroni L. Natural history of dilated cardiomyopathy due to lamin A/C gene mutations. *J Am Coll Cardiol* 2003;41:771-80.
  70. Mestroni L. Editorial Comment: Genomic medicine and atrial fibrillation. *J Am Coll Cardiol* 2003;41:2193\_6.
  71. Ku L, Feiger J, Taylor MRG, Mestroni L. Patient's Page. Familial Dilated Cardiomyopathy. *Circulation* 2003;108:118-121.
  72. Taylor MRG, Carniel E, Mestroni L. Familial hypertrophic cardiomyopathy: clinical features, molecular genetics, and molecular genetic testing. *Exp Rev Mol Diagn* 2004;4:99\_113.

73. Di Lenarda A, Pinamonti B, Mestroni L, Salvi A, Sabbadini G, Gregori D, Perkan A, Zecchin M, Carniel E, Bussani R, Silvestri F, Morgera T, Camerini F, Sinagra G; Gruppo di Studio sulle Malattie del Miocardio. [The natural history of dilated cardiomyopathy: a review of the Heart Muscle Disease Registry of Trieste] *Ital Heart J Suppl.* 2004 Apr;5(4):253-66
74. Taylor MRG, Robinson M, Mestroni L. Analysis of genetic variations of lamin A/C gene (LMNA) by denaturing high-performance liquid chromatography. *J Biomol Screening* 2004;9:625-629.
75. Lindenfeld J, Miller GG, Shakar S, Zolty R, Lowes BL, Wolfel EE, Mestroni L, Page RL II, Kobashigawa J. Drug Therapy in the Heart Transplant Recipient. Part I: Cardiac rejection and immunosuppressive Drugs. *Circulation* 2004;110:3734-40.
76. Lindenfeld J, Miller GG, Shakar S, Zolty R, Lowes BL, Wolfel EE, Mestroni L, Page RL II, Kobashigawa J. Drug Therapy in the Heart Transplant Recipient. Part II: Immunosuppressive Drugs. *Circulation* 2004;110:3858-65.
77. McNair WP, Ku L, Taylor MRG, Fain PR, Dao D, Wolfel E, Mestroni L. A SCN5A Mutation Associated with Dilated Cardiomyopathy, Conduction Disorder and Arrhythmia. *Circulation* 2004;110:2163-2167.
78. Carniel E, Taylor MRG, Sinagra G, Di Lenarda A, Ku L, Fain PR, Boucek MM, Cavanaugh J, Miodic S, Slavov D, Graw S, Feiger J, Zhu X, Dao D, Ferguson DA, Bristow MR, Mestroni L. Alpha-Myosin Heavy Chain: a Novel Gene Associated with Dilated and Hypertrophic Phenotypes. *Circulation* 2005;112:54-59.
79. Taylor MRG, Slavov D, Gajewski A, Vlcek S, Ku L, Fain PR, Carniel E, Di Lenarda A, Sinagra G, Boucek MM, Cavanaugh J, MD, Graw SL, Ruegg P, Zhu X, Ferguson DA, Bristow MR, Gotzmann J, Foisner R, Mestroni L. A thymopoietin (lamina-associated polypeptide 2) gene mutation associated with dilated cardiomyopathy. *Human Mutation* 2005;26:566-574.
80. McNair WP, Ku L, Taylor MRG, Fain PR, Wolfel E, Mestroni L. Correspondence: A SCN5A Mutation Associated with Dilated Cardiomyopathy, Conduction Disorder and Arrhythmia. *Circulation* 2005;112:e9-e10.
81. Prall RF, Drack A, Taylor MRG, Ku L, Olson J, D. G, Mestroni L, Mandava N. Ophthalmic manifestations of Danon disease. *Ophthalmology.* 2006;113:1010-1013.
82. Taylor MRG, Slavov D, Ku L, Di Lenarda A, Sinagra G, Carniel E, Haubold K, Boucek M, Ferguson DA, Graw SL, Zhu X, Cavanaugh J, Sucharov CC, Long CS, Mestroni L. Prevalence of desmin mutations in dilated cardiomyopathy. *Circulation* 2007; 115:1244-1251.
83. Taylor MRG, Ku L, Slavov D, Cavanaugh J, Boucek M, Zhu X, Graw SL, Carniel E, Barnel C, Quan D, Prall RF, Lovell MA, Mierau G, Mandava G, Bristow MR, Towbin JA, Mestroni L. Danon disease presenting with dilated cardiomyopathy and a complex phenotype. *J Hum Genet* 2007;52:830\_ 835
84. Zecchin M, Di Lenarda A, Gregori D, Merlo M, Pivetta A, Vitrella G, Sabbadini G, Mestroni L, Sinagra G. Are non sustained ventricular tachycardias predictive of major arrhythmias in patients with dilated cardiomyopathy on optimal medical treatment ? *PACE* 2008; 31:290-299
85. Amat di San Filippo C, Taylor MRG, Mestroni L, Lorenzo D Botto, Longo N. Cardiomyopathy and carnitine deficiency. *Molecular Genetics and Metabolism* 2008;94:162-6.
86. Sinagra G, Di Lenarda A, Moretti M, Mestroni L, Pinamonti B, Perkan A, Salvi A, Pyxaras S, Bussani R, Silvestri F, Camerini F. The challenge of cardiomyopathies in 2007. *Journal of Cardiovascular Medicine* 2008, 9:545\_ 554
87. Mestroni L., and Taylor MRG. Lamin A/C gene and the heart: how genetics may impact clinical care (Invited Editorial). *J Am Coll Cardiol* 2008;52:1261-2.
88. Taylor MRG, Slavov D, Humphrey K, Zhao L, Cockcroft J, Zhu X, Lavori P, Bristow MR, Mestroni L, Lazzeroni L. A pharmacogenetic effect of an endothelin-1 haplotype on response to bucindolol therapy in chronic heart failure. *Pharmacogenomics & Genomics* 2009;19:35-43.
89. Hershberger RE, Lindenfeld J, Mestroni L, Seidman CE, Taylor MR, Tobwin JR. Genetic Evaluation of Cardiomyopathy: A HFSA Comprehensive Heart Failure Practice Guideline. *Journal of Cardiac Failure* 2009;15(2):83-97.

90. Mestroni L. Phenotypic heterogeneity of sarcomeric gene mutations: a matter of gain and loss? *J Am Coll Cardiol* 2009; 54(4):343-5
91. Moretti M, Merlo M, Barbati G, Di Lenarda A, Brun B, Pinamont B, Gregori D, Mestroni L, Sinagra G. Prognostic impact of familial screening in Dilated Cardiomyopathy. *Eur J Heart Fail* 2010;12(9):922-7. Epub 2010 Jun 4. PMID: 20525703
92. McNair WP, Sinagra G, Taylor MRG, Di Lenarda A, Ferguson DA, Salcedo EE, Slavov D, Zhu X, Caldwell J, Mestroni L. SCN5A Mutations Associate with Arrhythmic Dilated Cardiomyopathy and Commonly Localize to the Voltage-Sensing Mechanism. *J Am Coll Cardiol* 2011;57(21):2160-8. PMID: 21596231
93. Mestroni L, Merlo M, Taylor MR, Camerini F, Sinagra G. Heart failure and personalized medicine. *J Cardiovasc Med (Hagerstown)*. 2010;12(1):6-12. PMID: 20814312
94. Bortot B, Athanasakis E, Brun F, Rizzotti D, Mestroni L, Sinagra G, Severini GM. High-throughput genotyping robot-assisted method for mutation detection in patients with Hypertrophic Cardiomyopathy. *Diagn Mol Pathol*. 2011 Sep;20(3):175-9. PMID: 21817903
95. Mestroni L, Taylor M. Hearing the Noise: The Challenges of Human Genome Variation in Genetic Testing. Invited Editorial. *J Am Coll Cardiol*. 2011 Jun 7;57(23):2328-9. PMID: 21636033
96. Taylor M, Graw S, Sinagra S, Barnes C, Slavov D, Brun F, Pinamonti B, Salcedo EE, Sauer W, Pyxaras S, Anderson B, Simon B, Bogomolovas J, Labeit S, Granzier H, Mestroni L. Titin mutations in arrhythmogenic right ventricular cardiomyopathy: a new player in disease pathogenesis. *Circulation*. 2011 Aug 23;124(8):876-85. PMID: 21810661
97. Pinamonti B, Dragos AM, Pyxaras SA, Merlo M, Pivetta M, Barbati G, Di Lenarda A, Morgera T, Mestroni L, Sinagra G. Prognostic predictors in Arrhythmogenic Right Ventricular Cardiomyopathy: results from a 10 year Registry. *Eur H J Eur Heart J*. 2011;32(9):1105-13. PMID: 21362707
98. Mestroni L, Taylor, MRG. Personalized medicine and heart failure. *Discov Med*. 2011 Jun;11(61):551-61. PMID: 21712021
99. Taylor MGR, Slavov D, Salcedo EE, Zhu X, Ferguson D, Jirikowic J, Di Lenarda A, Sinagra G, Mestroni L. Tafazzin gene mutations are uncommon causes of dilated cardiomyopathy in adults. *Cardiogenetics* 2011.e4.
100. Herman DS, Lam L, Taylor MRG, Wang L, Conner L, Teekakirikul P, DePalma SR, McDonough B, Sparks E, Lin Teodorescu D, Banner NR, Pennell DJ, Graw S, Merlo M, Di Lenarda A, Sinagra G, Bos JM, Ackerman MJ, Mitchell RN, Murry CE, Lakdawala NK, Ho CY, Cook SA, Mestroni L, Seidman JG, Seidman CE. Truncation of sarcomeric titin: a common cause of dilated cardiomyopathy. *New Eng J Med* 2012;366:619-28. PMID: 22335739
101. Miani D, Taylor, M, Mestroni L, D'Aurizio F, Finato N, Fanin, M, Brigido S, Proclemer A. Sudden Death Associated With Danon Disease In Women. *Am J Cardiol*. 2012 Feb 1;109(3):406-11. PMID: 22074992
102. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L. Carbon nanotubes promote growth and spontaneous electrical activity in cultured cardiac myocytes. *Nano Letters* 2012;12(4):1831-8. PMID: 22432413
103. Steckman DA, Schneider LM, Schuller JL, Aleong RG, Nguyen DT, Sinagra G, Vitrella G, Brun F, Cova, MA, Pagnan L, Mestroni L, Varosy PD, Sauer WH. Utility of Cardiac Magnetic Resonance Imaging to Differentiate Cardiac Sarcoidosis from Arrhythmogenic Right Ventricular Cardiomyopathy. *American Journal of Cardiology* 2012; 110(4):575-9. PMID: 22595349
104. Fabris E, Brun F, Porto AG, Losurdo P, Vitali Serdoz L, Zecchin M, Severini GM, Mestroni L, Di Chiara A, Sinagra G. Cardiac Hypertrophy, Accessory Pathway and Conduction System Disease in an Adolescent: the *PRKAG2* Cardiac Syndrome. *J Am Coll Cardiol*. 2013;62:e17. Epub 2013 Jun 27. PubMed PMID: 23810891
105. Codan B, Maggiolino S, Martinelli V, Mestroni L, Sbaizero O. Influence of different fixation reagents on NIH 3T3 fibroblasts morphology: an AFM study. *Applied Cell Biology* 2012 (in press)
106. Mestroni L, Taylor MR. Genetics and genetic testing of dilated cardiomyopathy: a new

- perspective. *Discov Med* 15(80):43-49, 2013. PMID: 23375013
107. Codan B, Martinelli V, Mestroni L, Sbaizero O. Atomic force microscopy of 3T3 and SW-13 cell lines: an investigation of cell elasticity changes due to fixation. *Mater Sci Eng C Mater Biol Appl.* 2013;33(6):3303-8. PMID: 23706214
  108. Ganesh SK, Arnett DK, Assimes TL, Basson CT, Chakravarti A, Ellinor PT, Engler MB, Goldmuntz E, Herrington DM, Hershberger RE, Hong Y, Johnson JA, Kittner SJ, McDermott DA, Meschia JF, Mestroni L, O'Donnell CJ, Psaty BM, Vasan RS, Ruel M, Shen W-K, Terzic A, Waldman SA; on behalf of the American Heart Association Council on Functional Genomics and Translational Biology, Council on Epidemiology and Prevention, Council on Basic Cardiovascular Sciences, Council on Cardiovascular Disease in the Young, Council on Cardiovascular Surgery and Anesthesia, Council on Clinical Cardiology, Council on Cardiovascular and Stroke Nursing, and Stroke Council. Genetics and genomics for the prevention and treatment of cardiovascular disease: update: a scientific statement from the American Heart Association. *Circulation.* 2013;128:2813–2851
  109. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L. Carbon Nanotubes Instruct Physiological Growth and Functionally Mature Syncytia: Nongenetic Engineering of Cardiac Myocytes. *ACS Nano* 2013;7:5746-56 PMID: 23734857
  110. Martinelli V, Cellot G, Fabbro A, Bosi S, Mestroni L, Ballerini L. Improving cardiac myocytes performance by carbon nanotubes platforms. *Front Physiol* 2013;4:239. PMID: 24027533
  111. Campbell N, Sinagra G, Jones, KL, Slavov D, Gowan K, Merlo M, Carniel E, Fain PR, Aragona P, Di Lenarda A, Mestroni L, Taylor M. Whole exome sequencing identifies a troponin T mutation hot spot in familial dilated cardiomyopathy. *Plos One* 2013;8:e78104. PMID: 24205113
  112. Merlo M, Sinagra G, Carniel E, Slavov D, Zhu X, Barbati G, Spezzacatene A, Ramani F, Salcedo E, Di Lenarda A, Mestroni L, Taylor MRG. Poor Prognosis of Rare Sarcomeric Gene Variants in Patients with Dilated Cardiomyopathy. *Clin Transl Sci* 2013 Oct 3. [Epub ahead of print] PMID: 24119082
  113. Nguyen DT, Barham W, Zheng L, Shillinglaw B, Tzou WS, Neltner B, Mestroni L, Bosi S, Ballerini L, Prato M, Sauer WH. Carbon Nanotube Facilitation of Myocardial Ablation with Radiofrequency Energy. *J Cardiovasc Electrophysiol.* 2014 Aug 5. doi: 10.1111/jce.12509. [Epub ahead of print] PubMed PMID: 25091811.
  114. Marcus F, Mestroni L. Family Members of Patients With ARVC: Who Is at Risk? At What Age? When and How Often Should We Evaluate to Determine Risk? *J Am Coll Cardiol.* 2014 Jul 22;64(3):302-3. doi: 10.1016/j.jacc.2014.04.046. PubMed PMID:25034068.
  115. Mestroni L, Nguyen DT. Inhibition of proto-oncogene c-Src tyrosine kinase: toward a new antiarrhythmic strategy? *J Am Coll Cardiol.* 2014 Mar 11;63(9):935-7. doi: 10.1016/j.jacc.2013.10.082. Epub 2014 Jan 8. PubMed PMID: 24412447.
  116. Codan B, Del Favero G, Martinelli V, Long CL, Mestroni L, Sbaizero O. Exploring the elasticity and adhesion behavior of cardiac fibroblasts by atomic force microscopy indentation. *Mater Sci Eng C Mater Biol Appl.* 2014 Jul 1;40:427-34. doi: 10.1016/j.msec.2014.04.003. Epub 2014 Apr 13. PMID: 24857511 [PubMed - in process]
  117. Feldman AM, Begay RL, Knezevic T, Myers VD, Slavov DB, Zhu W, Gowan K, Graw SL, Jones KL, Tilley DG, Coleman RC, Walinsky P, Cheung JY, Mestroni L, Khalili K, Taylor MR. Decreased Levels of BAG3 in a Family With a Rare Variant and in Idiopathic Dilated Cardiomyopathy. *J Cell Physiol.* 2014 Nov;229(11):1697-702. doi: 10.1002/jcp.24615. PubMed PMID: 24623017.
  118. Mestroni L, Begay RL, Graw SL, Taylor MR. Pharmacogenetics of heart failure. *Curr Opin Cardiol.* 2014 May;29(3):227-34. doi: 10.1097/HCO. PubMed PMID: 24717669; PubMed Central PMCID: PMC4118293.
  119. Brun F, Barnes C, Sinagra G, Slavov D, Barbati G, Zhu X, Graw SL, Spezzacatene A, Pinamonti B, Merlo M, Salcedo E.E, Sauer WH, Taylor MRG, Mestroni L. Titin and desmosomal genes in the natural history of arrhythmogenic right ventricular cardiomyopathy. *J Med Genet* 2014;51:669-

76. PMID: 25157032 [PubMed - in process]
120. D'souza RS, Levandowski C, Slavov D, Graw S, Allen LA, Adler E, Mestroni L, Taylor M. Danon Disease: Clinical Features, Evaluation, and Management. *Circulation Heart Fail* 2014 Sep;7(5):843-9. PMID: 25228319
121. Pinamonti B, Brun F, Mestroni L, Sinagra G. Arrhythmogenic right ventricular cardiomyopathy: From genetics to diagnostic and therapeutic challenges. *World J Cardiol*. 2014 Dec 26;6(12):1234-44. doi: 10.4330/wjc.v6.i12.1234. Review. PubMed PMID: 25548613; PubMed Central PMCID: PMC4278158
122. Mestroni L, Brun F, Spezzacatene A, Sinagra G, Taylor M. Genetic causes of dilated cardiomyopathy. *Prog Pediatr Cardiol*. 2014 Dec;37(1-2):13-18. PubMed PMID: 25584016; PubMed Central PMCID: PMC4288017.
123. Sbaizero O, DelFavero G, Martinelli V, Long CS, Mestroni L. Analysis of long-and short-range contribution to adhesion work in cardiac fibroblasts: An atomic force microscopy study. *Mater Sci Eng C Mater Biol Appl*. 2015 Apr;49:217-24. doi:10.1016/j.msec.2014.12.083. Epub 2014 Dec 27. PubMed PMID: 25686942.
124. Brun F, Mestroni L, Sinagra G. [Molecular genetic testing according to the latest European guidelines on hypertrophic cardiomyopathy]. *G Ital Cardiol*. 2015;16(3):138-42.
125. Sweet M, Taylor MRG, Mestroni L. Diagnosis, prevalence, and screening of familial dilated cardiomyopathy. *Expert Opinion on Orphan Drugs, Informa* 2015;3:869-876. DOI:10.1517/21678707.2015.1057498
126. Disertori M, Gulizia M, Casolo G, Delise P, Di Lenarda A, Di Tano G, Lunati M, Mestroni L, Salerno-Uriarte J, Tavazzi L. [Remarks on polyparametric assessment of sudden death risk for primary prevention ICD implantation in patients with left ventricular dysfunction of ischemic and non ischemic etiology. Italian Association of Hospital Cardiologists (ANMCO) Experts Position Paper]. *G Ital Cardiol (Rome)*. 2015 Nov;16(11):651-66. doi: 10.1714/2066.22442. Italian. PMID: 26571481
127. Porto AG, Brun F, Severini GM, Losurdo P, Fabris E, Taylor MRG, Mestroni L, Sinagra G. The clinical spectrum of PRKAG2 syndrome. *Circ Arrhythm Electrophysiol* 2015 (in press)
128. Lanzicher T, Martinelli V, Puzzi L, Del Favero G, Codan B, Long CS, Mestroni L, Taylor MRG, Sbaizero O. The Cardiomyopathy Lamin A/C D192G Mutation Disrupts Whole-Cell Biomechanics in Cardiomyocytes as Measured by Atomic Force Microscopy Loading-Unloading Curve Analysis. *Sci Rep*. 2015 Sep 1;5:13388. doi: 10.1038/srep13388. PMID: 26323789
129. Lanzicher T, Martinelli V, Long CS, Del Favero G, Puzzi L, Borelli M, L, Mestroni L, Taylor MRG, Sbaizero O. AFM single-cell force spectroscopy links altered nuclear and cytoskeletal mechanics to defective cell adhesion in cardiac myocytes with a nuclear lamin mutation. *Nucleus*. 2015 Aug 26:0. [Epub ahead of print].
130. Spezzacatene A, Sinagra G, Merlo M, Barbati G, Graw SL, Brun F, Slavov D, Di Lenarda A, Salcedo E, Towbin JA, Saffitz JE, Marcus FI, Zareba W, Taylor MRG, Mestroni L. The arrhythmogenic phenotype in dilated cardiomyopathy: natural history and predictors of life-threatening arrhythmias. *J Am Heart Assoc*. 2015 Oct 16;4(10):e002149. doi: 10.1161/JAHA.115.002149. PMID: 26475296.
131. Mohanraj J, Puzzi L, Capria E, Corvaglia S, Casalis L, Mestroni L, Sbaizero O, Fraleoni Morgera A. Easy fabrication of aligned PLLA nanofibers-based 2D scaffolds suitable for cell contact guidance studies. *Mater Sci Eng C Mater Biol Appl*. 2016 May 1;62:301-6. doi: 10.1016/j.msec.2015.12.042. Epub 2015 Dec 23. PubMed PMID: 26952427.
132. Begay RL, Graw S, Sinagra G, Merlo M, Slavov D, Gowan K, Jones KL, Barbati G, Spezzacatene A, Brun F, Di Lenarda A, Smith JE, Granzier HL, Mestroni L, Taylor M; Familial Cardiomyopathy Registry. Role of Titin Missense Variants in Dilated Cardiomyopathy. *J Am Heart Assoc*. 2015 Nov 13;4(11). pii: e002645. doi:10.1161/JAHA.115.002645. PubMed PMID: 26567375.
133. Mestroni L, Sweet ME, Taylor MR. Pediatric Cardiomyopathy: New Insight Into Potential Disease

- Mechanisms. *J Am Coll Cardiol*. 2016 Feb 9;67(5):526-8. doi: 10.1016/j.jacc.2015.11.030. PubMed PMID: 26846951.
134. Disertori M, Gulizia MM, Casolo G, Delise P, Di Lenarda A, Di Tano G, Lunati M, Mestroni L, Salerno-Uriarte J, Tavazzi L. Improving the appropriateness of sudden arrhythmic death primary prevention by implantable cardioverter-defibrillator therapy in patients with low left ventricular ejection fraction. Point of view. *J Cardiovasc Med (Hagerstown)*. 2016 Apr;17(4):245-55. doi: 10.2459. PubMed PMID: 26895401.
  135. Brun F, Mestroni L, Sinagra G. [Molecular genetic testing according to the latest European guidelines on hypertrophic cardiomyopathy]. *G Ital Cardiol (Rome)*. 2015 Mar;16(3):138-42. doi: 10.1714/1820.19818. Italian. PubMed PMID:25837456.
  136. Brun F, Groeneweg JA, Gear K, Sinagra G, MD1, van der Heijden J, MD2, Mestroni L, Hauer RN, Borgstrom M, Marcus FI, Hughes T. Risk stratification in ARVC without ICDs. *JACC Clinical Electrophysiology JACC Clin Electrophysiol*. 2016 Oct;2(5):558-564
  137. Peña B, Martinelli V, Jeong M, Bosi S, Lapasin R, Taylor MR, Long SL, Shandas R, Park D, Mestroni L. Biomimetic Polymers for Cardiac Tissue Engineering. *Biomacromolecules American Chemical Society* 2016 Apr 13. [Epub ahead of print] PMID: 27073119. **ACS Editor's Choice. Journal Cover.**
  138. Cortez D, Graw S, Mestroni L. In hypertrophic cardiomyopathy, the spatial peaks QRS-T angle identifies those with sustained ventricular arrhythmias. *Clin Cardiol*. 2016 May 13. doi: 10.1002/clc.22549. [Epub ahead of print]
  139. Rowland TJ, Sweet ME, Mestroni L, Taylor MRG. Danon Disease: dysregulation of autophagy in a multisystem disorder with cardiomyopathy. *Journal of Cell Science* 2016 (in press)
  140. Seriani S, Del Favero G, Mahaffey J, Marko D, Gallina P, Long C, Mestroni L, Sbaizero O. The Cell-Stretcher: a Novel Device for the Mechanical Stimulation of Cell Populations. *AIP Rev Sci Instrum*. 2016 Aug;87(8):084301. PMID: 27587132
  141. Gigli M, Sinagra G, Mestroni L. Gene therapy in heart failure the unexpected results from the CUPID-2 Study. *G Ital Cardiol (Rome)*. 2017 Feb;18(2):101-105. PMID:28398363
  142. Gigli M, Begay R, Morea G, Graw S, Sinagra G, Taylor MRG, Granzier H, Mestroni L. A Review of the Giant Protein Titin in Clinical Molecular Diagnostics of Cardiomyopathies. *Front Cardiovasc Med*. 2016;3:21. PMID: 27493940
  143. Begay RL, Sharp CA, Martin A, Graw SL, Sinagra G, Miani D, Sweet ME, Slavov DB, Stafford N, Zeller MJ, Alnefaie R, Rowland TJ, Brun F, Jones KL, Gowan K, Mestroni L, Garrity DM, Taylor MRG. *FLNC* Gene Splice Mutations Cause Dilated Cardiomyopathy. *JACC Basic Transl Sci*. 2016 Aug;1(5):344-359
  144. Puggia I, Merlo M, Barbati G, Rowland TJ, Stolfo D, Gigli M, Ramani F, Di Lenarda A, Mestroni L, Sinagra G. Natural History of Dilated Cardiomyopathy in Children. *J Am Heart Assoc*. 2016;5(7). PMID: 27364989.
  145. Rowland TJ, Graw SL, Sweet ME, Gigli M, Taylor MRG, Mestroni L. Obscurin Variants in Patients With Left Ventricular Noncompaction. *J Am Coll Cardiol*. 2016 Nov 15;68(20):2237-2238
  146. Dal Ferro M, Stolfo D, Altinier A, Gigli M, Perrieri M, Ramani F, Barbati G, Pivetta A, Brun F, Monserrat L, Giacca M, Mestroni L, Merlo M, Sinagra G. Association between mutation status and left ventricular reverse remodelling in dilated cardiomyopathy. *Heart*. 2017 Apr 17. pii: heartjnl-2016-311017. PubMed PMID: 28416588.
  147. Ho CY, Day SM, Colan SD, Russell MW, Towbin JA, Sherrid MV, Canter CE, Jefferies JL, Murphy AM, Cirino AL, Abraham TP, Taylor M, Mestroni L, Bluemke DA, Jarolim P, Shi L, Sleeper LA, Seidman CE, Orav EJ; HCMNet Investigators.. The Burden of Early Phenotypes and the Influence of Wall Thickness in Hypertrophic Cardiomyopathy Mutation Carriers: Findings From the HCMNet Study. *JAMA Cardiol*. 2017 Apr 1;2(4):419-428 PMID:28241245.
  148. Te Riele AS, Agullo-Pascual E, James CA, Leo-Macias A, Cerrone M, Zhang M, Lin X, Lin B, Sobreira NL, Amat-Alarcon N, Marsman RF, Murray B, Tichnell C, van der Heijden JF, Dooijes D, van Veen TA, Tandri H, Fowler SJ, Hauer RN, Tomaselli G, van den Berg MP, Taylor MR,



- Brun F, Sinagra G, Wilde AA, Mestroni L, Bezzina CR, Calkins H, Peter van Tintelen J, Bu L, Delmar M, Judge DP. Multilevel analyses of SCN5A mutations in arrhythmogenic right ventricular dysplasia/cardiomyopathy suggest non-canonical mechanisms for disease pathogenesis. *Cardiovasc Res*. 2017 Jan;113(1):102-111. PMID: 28069705; PMCID: PMC5220677.
149. Ho JE, et al., for the HCMNet Investigators. Biomarkers Of Cardiovascular Stress and Fibrosis In Preclinical Hypertrophic Cardiomyopathy. *Open Heart*. 2017;4(2):e000615. PMID:29177058
150. Puzzi L, Borin D, Martinelli V, Mestroni L, Kelsell DP, Sbaizero O. Cellular biomechanics impairment in keratinocytes is associated with a C-terminal truncated desmoplakin: An atomic force microscopy investigation. *Micron*. 2018 Mar;106:27-33. PubMed PMID: 29291530.
151. Chen SN, Taylor MRG, Mestroni L. Editorial: Unraveling Missing Genes and Missing Inheritance in Arrhythmogenic Cardiomyopathy. *Circ Arrhythm Electrophysiol*. 2017 Oct;10(10). pii: e005813. PubMed PMID: 29038109; PMCID: PMC5685673.
152. Cortez D, Svensson A, Carlson J, Graw S, Sharma N, Brun F, Spezzacatene A, Mestroni L, Platonov PG. Right precordial-directed electrocardiographical markers identify arrhythmogenic right ventricular cardiomyopathy in the absence of conventional depolarization or repolarization abnormalities. *BMC Cardiovasc Disord*. 2017 Oct 13;17(1):261. PMID:29029613; PMCID: PMC5640940.
153. McNally EM, Mestroni L. Dilated Cardiomyopathy: Genetic Determinants and Mechanisms. *Circ Res*. 2017 Sep 15;121(7):731-748. PMID: 28912180; PMCID: PMC5626020.
154. Peña B, Bosi S, Aguado BA, Borin D, Farnsworth NL, Dobrinskikh E, Rowland TJ, Martinelli V, Jeong M, Taylor MRG, Long CS, Shandas R, Sbaizero O, Prato M, Anseth KS, Park D, Mestroni L. Injectable Carbon Nanotube-Functionalized Reverse Thermal Gel Promotes Cardiomyocytes Survival and Maturation. *ACS Appl Mater Interfaces*. 2017 Sep 20;9(37):31645-31656. PMID: 28895403; PMCID: PMC5672802.
155. D'souza RS, Mestroni L, Taylor MRG. Danon disease for the cardiologist: case report and review of the literature. *J Community Hosp Intern Med Perspect*. 2017;7(2):107-114.eCollection 2017 Mar. PMID: 28638575; PMCID: PMC5473185.
156. Laurini E, Martinelli V, Lanzicher T, Puzzi L, Borin D, Chen SN, Long CS, Lee P, Mestroni L, Taylor MRG, Sbaizero O, Prici S. Biomechanical defects and rescue of cardiomyocytes expressing pathologic nuclear lamins. *Cardiovasc Res*. 2018 May 1;114(6):846-857
157. Mestroni L, Sbaizero O. Editorial: Arrhythmogenic cardiomyopathy: mechanotransduction going wrong. *Circulation* 2018 10;137(15):1611-1613
158. Begay RL, Graw SL, Sinagra G, Asimaki A, Rowland TJ, Slavov DB, Gowan K, Jones KL, Brun F, Merlo M, Miani D, Sweet ME, Deveraj K, Wartchow EP, Gigli M, Puggia I, Salcedo EE, Garrity DM, Ambardekar AV, Buttrick P, Rece TB, Bristow MR, Saffitz JE, Mestroni L, Taylor MR. Filamin C Truncation Mutations Are Associated With Arrhythmogenic Dilated Cardiomyopathy and Changes in the Cell-Cell Adhesion Structures. *JACC Clin Electrophysiol*. 2018 Apr;4(4):504-514.
159. Cortez D, Svensson A, Carlson J, Graw S, Sharma N, Brun F, Spezzacatene A, Mestroni L, Platonov PG. The S-wave angle identifies arrhythmogenic right ventricular cardiomyopathy in patients with electrocardiographically concealed disease phenotype. *J Electrocardiol*. 2018 Nov - Dec;51(6):1003-1008.
160. Sweet ME, Cocciolo A, Slavov D, Jones KL, Sweet JR, Graw SL, Reece TB, Ambardekar AV, Bristow MR, Mestroni L, Taylor MRG. Transcriptome analysis of human heart failure reveals dysregulated cell adhesion in dilated cardiomyopathy and activated immune pathways in ischemic heart failure. *BMC Genomics*. 2018 Nov 12;19(1):812.
161. Parikh VN, Caleshu C, Reuter C, Lazzeroni LC, Ingles J, Garcia J, McCaleb K, Adesiyun T, Sedaghat-Hamedani F, Kumar S, Graw S, Gigli M, Stolfo D, Dal Ferro M, Ing AY, Nussbaum R, Funke B, Wheeler MT, Hershberger RE, Cook S, Steinmetz LM, Lakdawala NK, Taylor MRG, Mestroni L, Merlo M, Sinagra G, Semsarian C, Meder B, Judge DP, Ashley E. Regional Variation in RBM20 Causes a Highly Penetrant Arrhythmogenic Cardiomyopathy. *Circ Heart Fail*. 2019 Mar;12(3):e005371.

162. Chen SN, Lombardi R, Karmouch J, Tsai JY, Czernuszewicz G, Taylor MRG, Mestroni L, Coarfa C, Gurha P, Marian AJ. DNA Damage Response/TP53 Pathway Is Activated and Contributes to the Pathogenesis of Dilated Cardiomyopathy Associated With LMNA (Lamin A/C) Mutations. *Circ Res*. 2019 Mar 15;124(6):856-873.
163. Roberts JD, Murphy NP, Hamilton RM, Lubbers ER, James CA, Kline CF, Gollob MH, Krahn AD, Sturm AC, Musa H, El-Refaey M, Koenig S, Aneq MÅ, Hoorntje ET, Graw SL, Davies RW, Rafiq MA, Koopmann TT, Aafaqi S, Fatah M, Chiasson DA, Taylor MR, Simmons SL, Han M, van Opbergen CJ, Wold LE, Sinagra G, Mittal K, Tichnell C, Murray B, Codima A, Nazer B, Nguyen DT, Marcus FI, Sobriera N, Lodder EM, van den Berg MP, Spears DA, Robinson JF, Ursell PC, Green AK, Skanes AC, Tang AS, Gardner MJ, Hegele RA, van Veen TA, Wilde AA, Healey JS, Janssen PM, Mestroni L, van Tintelen JP, Calkins H, Judge DP, Hund TJ, Scheinman MM, Mohler PJ. Ankyrin-B dysfunction predisposes to arrhythmogenic cardiomyopathy and is amenable to therapy. *J Clin Invest*. 2019 Jul 2;129(8):3171-3184.
164. Towbin JA, McKenna WJ, Abrams DJ, Ackerman MJ, Calkins H, Darrieux FCC, Daubert JP, de Chillou C, DePasquale EC, Desai MY, Estes NAM 3rd, Hua W, Indik JH, Ingles J, James CA, John RM, Judge DP, Keegan R, Krahn AD, Link MS, Marcus FI, McLeod CJ, Mestroni L, Priori SG, Saffitz JE, Sanatani S, Shimizu W, van Tintelen JP, Wilde AAM, Zareba W. 2019 HRS expert consensus statement on evaluation, risk stratification, and management of arrhythmogenic cardiomyopathy. *Heart Rhythm*. 2019 May 9. pii: S1547-5271(19)30438-2.
165. Peña B, Maldonado M, Bonham AJ, Aguado BA, Dominguez-Alfaro A, Laughter M, Rowland TJ, Bardill J, Farnsworth NL, Alegret Ramon N, Taylor MRG, Anseth KS, Prato M, Shandas R, McKinsey TA, Park D, Mestroni L. Gold Nanoparticle-Functionalized Reverse Thermal Gel for Tissue Engineering Applications. *ACS Appl Mater Interfaces*. 2019 May 22;11(20):18671-18680.
166. Gigli M, Merlo M, Graw SL, Barbati G, Rowland, TJ, Slavov DB, Stolfo D, Haywood ME, Dal Ferro M, Altinier A, Ramani F, Brun F, Cocciolo A, Puggia I, Morea G, McKenna WJ, La Rosa FG, Taylor MRG, Sinagra G, Mestroni L. Genetic Risk of Arrhythmic Phenotypes in Patients With Dilated Cardiomyopathy. *J Am Coll Cardiol* (in press)
167. Tharp C, Mestroni L, Taylor M. Modifications of Titin Contribute to the Progression of Cardiomyopathy and Represent a Therapeutic Target for Treatment of Heart Failure. *J Clin Med*. 2020 Aug 26;9(9):E2770. doi: 10.3390/jcm9092770. PMID: 32859027.
168. Pecorari I, Mestroni L, Sbaizero O. Current Understanding of the Role of Cytoskeletal Cross-Linkers in the Onset and Development of Cardiomyopathies. *Int J Mol Sci*. 2020 Aug 15;21(16):5865. doi: 10.3390/ijms21165865. PMID: 32824180; PMCID: PMC7461563.
169. Del Favero G, Bonifacio A, Rowland TJ, Gao S, Song K, Sergo V, Adler ED, Mestroni L, Sbaizero O, Taylor MRG. Danon Disease-Associated LAMP-2 Deficiency Drives Metabolic Signature Indicative of Mitochondrial Aging and Fibrosis in Cardiac Tissue and hiPSC-Derived Cardiomyocytes. *J Clin Med*. 2020 Jul 31;9(8):2457. doi: 10.3390/jcm9082457. PMID: 32751926; PMCID: PMC7465084.
170. Bui QM, Hong KN, Kraushaar M, Ma GS, Brambatti M, Kahn AM, Bougault C, Boynton K, Mestroni L, Taylor MRG, Adler E. Apical Sparing Strain Pattern in Danon Disease: Insights From a Global Registry. *JACC Cardiovasc Imaging*. 2020 Jul 24:S1936-878X(20)30503-9. doi: 10.1016/j.jcmg.2020.05.027. Epub ahead of print. PMID: 32739374.
171. Eldemire R, Taylor MRG, Mestroni L. Understanding the role of titin in dilated cardiomyopathy. *Int J Cardiol*. 2020 Oct 1;316:186-187. doi:10.1016/j.ijcard.2020.06.064. Epub 2020 Jul 4. PMID: 32634495.
171. Merlo M, Cannatà A, Pio Loco C, Stolfo D, Barbati G, Artico J, Gentile P, De Paris V, Ramani F, Zecchin M, Gigli M, Pinamonti B, Korcova R, Di Lenarda A, Giacca M, Mestroni L, Camici PG, Sinagra G. Contemporary survival trends and aetiological characterization in non-ischaemic dilated cardiomyopathy. *Eur J Heart Fail*. 2020 Jul;22(7):1111-1121. doi: 10.1002/ejhf.1914. Epub 2020 Jun 26. PMID: 32452075.
172. Finocchiaro G, Merlo M, Sheikh N, De Angelis G, Papadakis M, Olivotto I, Rapezzi C, Carr-White

- G, Sharma S, Mestroni L, Sinagra G. The electrocardiogram in the diagnosis and management of patients with dilated cardiomyopathy. *Eur J Heart Fail.* 2020 Jul;22(7):1097-1107. doi: 10.1002/ehhf.1815. Epub 2020 Apr 3. PMID: 32243666.
173. Camors EM, Purevjav E, Jefferies JL, Saffitz JE, Gong N, Ryan TD, Lucky AW, Taylor MD, Sullivan LM, Mestroni L, Towbin JA. Early Lethality Due to a Novel Desmoplakin Variant Causing Infantile Epidermolysis Bullosa Simplex With Fragile Skin, Aplasia Cutis Congenita, and Arrhythmogenic Cardiomyopathy. *Circ Genom Precis Med.* 2020 Apr;13(2):e002800. doi: 10.1161/CIRCGEN.119.002800. Epub 2020 Mar 12. PMID: 32164419; PMCID: PMC7176531.
174. Borin D, Peña B, Taylor MRG, Mestroni L, Lapasin R, Sbaizero O. Viscoelastic behavior of cardiomyocytes carrying LMNA mutations. *Biorheology.* 2020;57(1):1-14. doi: 10.3233/BIR-190229. PMID: 32083564.
175. Borin D, Peña B, Chen SN, Long CS, Taylor MRG, Mestroni L, Sbaizero O. Altered microtubule structure, hemichannel localization and beating activity in cardiomyocytes expressing pathologic nuclear lamin A/C. *Heliyon.* 2020 Jan 23;6(1):e03175. doi: 10.1016/j.heliyon.2020.e03175. PMID: 32021920; PMCID:PMC6992992.
176. Haywood ME, Cocciolo A, Porter KF, Dobrinskikh E, Slavov D, Graw SL, Reece TB, Ambardekar AV, Bristow MR, Mestroni L, Taylor MRG. Transcriptome signature of ventricular arrhythmia in dilated cardiomyopathy reveals increased fibrosis and activated TP53. *J Mol Cell Cardiol.* 2020 Feb;139:124-134. doi:10.1016/j.yjmcc.2019.12.010. Epub 2020 Jan 18. PMID: 31958463; PMCID:PMC7144813.
177. Brun F, Gigli M, Graw SL, Judge DP, Merlo M, Murray B, Calkins H, Sinagra G, Taylor MR, Mestroni L, James CA. *FLNC* truncations cause arrhythmogenic right ventricular cardiomyopathy. *J Med Genet.* 2020 Apr;57(4):254-257. doi:10.1136/jmedgenet-2019-106394. Epub 2020 Jan 10. PMID: 31924696; PMCID:PMC7539291.
178. Tharp CA, Haywood ME, Sbaizero O, Taylor MRG, Mestroni L. The Giant Protein Titin's Role in Cardiomyopathy: Genetic, Transcriptional, and Post-translational Modifications of TTN and Their Contribution to Cardiac Disease. *Front Physiol.* 2019 Nov 28;10:1436. doi: 10.3389/fphys.2019.01436. PMID: 31849696; PMCID: PMC6892752.
179. Puzzi L, Borin D, Gurha P, Lombardi R, Martinelli V, Weiss M, Andolfi L, Lazzarino M, Mestroni L, Marian AJ, Sbaizero O. Knock Down of Plakophilin 2 Dysregulates Adhesion Pathway through Upregulation of miR200b and Alters the Mechanical Properties in Cardiac Cells. *Cells.* 2019 Dec 14;8(12):1639. doi:10.3390/cells8121639. PMID: 31847412; PMCID: PMC6952926.
180. Axelsson Raja A, Shi L, Day SM, Russell M, Zahka K, Lever H, Colan SD, Margossian R, Hall EK, Becker J, Jefferies JL, Patel AR, Choudhury L, Murphy AM, Canter C, Bach R, Taylor M, Mestroni L, Wheeler MT, Benson L, Owens AT, Rossano J, Lin KY, Pahl E, Pereira AC, Bundgaard H, Lewis GD, Vargas JD, Cirino AL, McMurray JJV, MacRae CA, Solomon SD, Orav EJ, Braunwald E, Ho CY. Baseline Characteristics of the VANISH Cohort. *Circ Heart Fail.* 2019 Dec;12(12):e006231. doi: 10.1161/CIRCHEARTFAILURE.119.006231. Epub 2019 Dec 9. PMID: 31813281; PMCID: PMC7219518.
181. Chen SN, Sbaizero O, Taylor MRG, Mestroni L. Lamin A/C Cardiomyopathy: Implications for Treatment. *Curr Cardiol Rep.* 2019 Nov 26;21(12):160. doi:10.1007/s11886-019-1224-7. PMID: 31773301.
182. Lorenzoni G, Minto C, Vecchio MG, Zec S, Paolin I, Lamprecht M, Mestroni L, Gregori D. Fruit and Vegetable Concentrate Supplementation and Cardiovascular Health: A Systematic Review from a Public Health Perspective. *J Clin Med.* 2019 Nov 8;8(11):1914. doi: 10.3390/jcm8111914. PMID: 31717327; PMCID: PMC6912365.
183. Corrado D, van Tintelen PJ, McKenna WJ, Hauer RNW, Anastakis A, Asimaki A, Basso C, Bauce B, Brunckhorst C, Bucciarelli-Ducci C, Duru F, Elliott P, Hamilton RM, Haugaa KH, James CA, Judge D, Link MS, Marchlinski FE, Mazzanti A, Mestroni L, Pantazis A, Pelliccia A, Marra MP, Pilichou K, Platonov PGA, Protonotarios A, Rampazzo A, Saffitz JE, Saguner AM, Schmied C, Sharma S, Tandri H, Te Riele ASJM, Thiene G, Tsatsopoulou A, Zareba W, Zorzi A, Wichter

- T, Marcus FI, Calkins H; International Experts. Arrhythmogenic right ventricular cardiomyopathy: evaluation of the current diagnostic criteria and differential diagnosis. *Eur Heart J*. 2020 Apr 7;41(14):1414-1429. doi:10.1093/eurheartj/ehz669. PMID: 31637441; PMCID: PMC7138528.
184. Chen SN, Mestroni L, Taylor MRG. Genetics of dilated cardiomyopathy. *Curr Opin Cardiol*. 2021 May 1;36(3):288-294. doi: 10.1097/HCO.0000000000000845. PMID:33769382.
185. Travers JG, Wennersten SA, Peña B, Bagchi RA, Smith HE, Hirsch RA, Vanderlinden LA, Lin YH, Dobrinskikh E, Demos-Davies KM, Cavasin MA, Mestroni L, Steinkühler C, Lin CY, Houser SR, Woulfe KC, Lam MPY, McKinsey TA. HDAC Inhibition Reverses Preexisting Diastolic Dysfunction and Blocks Covert Extracellular Matrix Remodeling. *Circulation*. 2021 Mar 8. doi:10.1161/CIRCULATIONAHA.120.046462. Epub ahead of print. PMID: 33682427.
186. Sanchez F, Weitz C, Gutierrez JM, Mestroni L, Hanneman K, Vargas D. Cardiac MR Imaging of Muscular Dystrophies. *Curr Probl Diagn Radiol*. 2021 Jan 9:S0363-0188(21)00023-2. doi: 10.1067/j.cpradiol.2020.12.010. Epub ahead of print. PMID: 33551194.
187. Mueller AC, Piper M, Goodspeed A, Bhuvane S, Williams JS, Bhatia S, Phan AV, Van Court B, Zolman KL, Peña B, Oweida AJ, Zakem S, Meguid C, Knitz MW, Darragh L, Bickett TE, Gadwa J, Mestroni L, Taylor MRG, Jordan KR, Dempsey P, Lucia MS, McCarter MD, Del Chiaro M, Messersmith WA, Schulick RD, Goodman KA, Gough MJ, Greene CS, Costello JC, Galvao Neto A, Lagares D, Hansen KC, Van Bokhoven A, Karam SD. Induction of ADAM10 by RT drives fibrosis, resistance, and EMT in pancreatic cancer. *Cancer Res*. 2021 Feb 1:canres.CAN-20-3892-A.2020. doi:10.1158/0008-5472.CAN-20-3892. Epub ahead of print. PMID: 33526513.
188. Merlo M, Cappelletto C, De Angelis G, Porcari A, Caiffa T, Lardieri G, Pagnan L, Severini GM, Dal Ferro M, Stolfo D, Vitrella G, De Luca A, Korkova R, Massa L, Tavčar I, Aleksova A, Barbati G, Zanchi C, Ramani F, Di Lenarda A, Perkan A, Mestroni L, Zecchin M, Pinamonti B, Bussani R, Sinagra G. Inquadramento e gestione delle cardiomiopatie: il protocollo della Cardiologia di Trieste [Diagnostic work-up and clinical management of cardiomyopathies: the operative protocol from the Cardiothoracovascular Department of Trieste, Italy]. *G Ital Cardiol (Rome)*. 2020 Dec;21(12):935-953. Italian. doi: 10.1714/3472.34548. PMID:33231213.
189. Amin D, Sink E, Narayan SP, Abdel-Hafiz M, Mestroni L, Peña B. Nanomaterials for Cardiac Tissue Engineering. *Molecules*. 2020 Nov 7;25(21):5189. doi: 10.3390/molecules25215189. PMID: 33171802; PMCID: PMC7664640.
190. Eldemire R, Taylor MRG, Mestroni L. Precision medicine in laminopathies: insights from the REDLAMINA registry. *Rev Esp Cardiol (Engl Ed)*. 2021 Mar;74(3):208-209. English, Spanish. doi: 10.1016/j.rec.2020.09.021. Epub 2020 Nov 6. PMID: 33162390.
191. Kessler MD, Loesch DP, Perry JA, Heard-Costa NL, Taliun D, Cade BE, Wang H, Daya M, Ziniti J, Datta S, Celedón JC, Soto-Quiros ME, Avila L, Weiss ST, Barnes K, Redline SS, Vasani RS, Johnson AD, Mathias RA, Hernandez R, Wilson JG, Nickerson DA, Abecasis G, Browning SR, Zöllner S, O'Connell JR, Mitchell BD; National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Population Genetics Working Group, O'Connor TD. De novo mutations across 1,465 diverse genomes reveal mutational insights and reductions in the Amish founder population. *Proc Natl Acad Sci U S A*. 2020 Feb 4;117(5):2560-2569. doi: 10.1073/pnas.1902766117. Epub 2020 Jan 21. Erratum in: *Proc Natl Acad Sci U S A*. 2021 Mar 9;118(10): PMID: 31964835; PMCID: PMC7007577.
192. Dries AM, Kirillova A, Reuter CM, Garcia J, Zouk H, Hawley M, Murray B, Tichnell C, Pilichou K, Protonotarios A, Medeiros-Domingo A, Kelly MA, Baras A, Ingles J, Semsarian C, Baucé B, Celegnin R, Basso C, Jongbloed JDH, Nussbaum RL, Funke B, Cerrone M, Mestroni L, Taylor MRG, Sinagra G, Merlo M, Saguner AM, Elliott PM, Syrris P, van Tintelen JP; Regeneron Genetics Center, James CA, Haggerty CM, Parikh VN. The genetic architecture of Plakophilin 2 cardiomyopathy. *Genet Med*. 2021 Jun 12. doi: 10.1038/s41436-021-01233-7. Epub ahead of print. PMID: 34120153.
193. Hyson P, Barahona LV, Pedraza-Arévalo LC, Schultz J, Mestroni L, da Consolação Moreira M, Taylor M, Franco-Paredes C, Benamu E, Ramanan P, Rassi A Jr, Hawkins K, Henao-Martínez

- AF. Experiences with Diagnosis and Treatment of Chagas Disease at a United States Teaching Hospital-Clinical Features of Patients with Positive Screening Serologic Testing. *Trop Med Infect Dis.* 2021 May 31;6(2):93. doi: 10.3390/tropicalmed6020093. PMID: 34072787.
194. Cappelletto C, Gregorio C, Barbati G, Romani S, De Luca A, Merlo M, Mestroni L, Stolfo D, Sinagra G. Antiarrhythmic therapy and risk of cumulative ventricular arrhythmias in arrhythmogenic right ventricle cardiomyopathy. *Int J Cardiol.* 2021 Jul 1;334:58-64. doi: 10.1016/j.ijcard.2021.04.069. Epub 2021 May 5. PMID: 33961942.
195. Merlo M, Grilli G, Cappelletto C, Masé M, Porcari A, Ferro MD, Gigli M, Stolfo D, Zecchin M, De Luca A, Mestroni L, Sinagra G. The Arrhythmic Phenotype in Cardiomyopathy. *Heart Fail Clin.* 2022 Jan;18(1):101-113. doi:10.1016/j.hfc.2021.07.011. Epub 2021 Oct 22. PMID: 34776072.
196. Gigli M, Stolfo D, Graw SL, Merlo M, Gregorio C, Nee Chen S, Dal Ferro M, Paldino MD A, De Angelis G, Brun F, Jirikowic J, Salcedo EE, Turja S, Fatkin D, Johnson R, van Tintelen JP, Te Riele ASJM, Wilde AAM, Lakdawala NK, Picard K, Miani D, Muser D, Maria Severini G, Calkins H, James CA, Murray B, Tichnell C, Parikh VN, Ashley EA, Reuter C, Song J, Judge DP, McKenna WJ, Taylor MRG, Sinagra G, Mestroni L. Phenotypic Expression, Natural History, and Risk Stratification of Cardiomyopathy Caused by Filamin C Truncating Variants. *Circulation.* 2021 Nov 16;144(20):1600-1611. doi:10.1161/CIRCULATIONAHA.121.053521. Epub 2021 Sep 30. PMID: 34587765; PMCID: PMC8595845.
197. Gao S, Mumme-Monheit A, Chen SN, Spector EB, Slavov D, Baralle FE, Bristow MR, Mestroni L, Taylor MRG; Familial Cardiomyopathy Registry. An LMNA synonymous variant associated with severe dilated cardiomyopathy: Case report. *Am J Med Genet A.* 2021 Oct 15. doi:10.1002/ajmg.a.62530. Epub ahead of print. PMID:34652067.
198. Chadalawada S, Rassi A Jr, Samara O, Monzon A, Gudapati D, Vargas Barahona L, Hyson P, Sillau S, Mestroni L, Taylor M, da Consolação Vieira Moreira M, DeSanto K, Agudelo Higuaita NI, Franco-Paredes C, Henao-Martínez AF. Mortality risk in chronic Chagas cardiomyopathy: a systematic review and meta-analysis. *ESC Heart Fail.* 2021 Oct 30. doi: 10.1002/ehf2.13648. Epub ahead of print. PMID: 34716744.
199. Fraley C, Milgrom SA, Kondapalli L, Taylor MRG, Mestroni L, Miyamoto SD. Mechanisms and Insights for the Development of Heart Failure Associated with Cancer Therapy. *Children (Basel).* 2021 Sep 21;8(9):829. doi:10.3390/children8090829. PMID: 34572260; PMCID: PMC8468170.
200. Ho CY, Day SM, Axelsson A, Russell MW, Zahka K, Lever HM, Pereira AC, Colan SD, Margossian R, Murphy AM, Canter C, Bach RG, Wheeler MT, Rossano JW, Owens AT, Bundgaard H, Benson L, Mestroni L, Taylor MRG, Patel AR, Wilmot I, Thrush P, Vargas JD, Soslow JH, Becker JR, Seidman CE, Lakdawala NK, Cirino AL; VANISH Investigators, Burns KM, McMurray JJV, MacRae CA, Solomon SD, Orav EJ, Braunwald E. Valsartan in early-stage hypertrophic cardiomyopathy: a randomized phase 2 trial. *Nat Med.* 2021 Oct;27(10):1818-1824. doi: 10.1038/s41591-021-01505-4. Epub 2021 Sep 23. PMID: 34556856.
201. Lachaize V, Peña B, Ciubotaru C, Cojoc D, Chen SN, Taylor MRG, Mestroni L, Sbaizero O. Compromised Biomechanical Properties, Cell-Cell Adhesion and Nanotubes Communication in Cardiac Fibroblasts Carrying the Lamin A/C D192G Mutation. *Int J Mol Sci.* 2021 Aug 25;22(17):9193. doi: 10.3390/ijms22179193. PMID: 34502098; PMCID: PMC8431729.
202. Zanetti M, Chen SN, Conti M, Taylor MRG, Sbaizero O, Mestroni L, Lazzarino M. Microfabricated cantilevers for parallelized cell-cell adhesion measurements. *Eur Biophys J.* 2021 Jul 25. doi: 10.1007/s00249-021-01563-z. Epub ahead of print. PMID: 34304293.
203. Manca P, Cannatà A, Nuzzi V, Bromage DI, Varrà GG, Rossi M, Dal Ferro M, Paldino A, Gigli M, Barbati G, Ramani F, Pinamonti B, Stolfo D, Porcu M, Mestroni L, Merlo M, Sinagra G. Prevalence and Evolution of Right Ventricular Dysfunction Among Different Genetic Backgrounds in Dilated Cardiomyopathy. *Can J Cardiol.* 2021 Jul 14:S0828-282X(21)00369-X. doi: 10.1016/j.cjca.2021.06.024. Epub ahead of print. PMID: 34273475.
204. Eldemire R, Tharp CA, Taylor MRG, Sbaizero O, Mestroni L. The Sarcomeric Spring Protein Titin: Biophysical Properties, Molecular Mechanisms, and Genetic Mutations Associated with

- Heart Failure and Cardiomyopathy. *Curr Cardiol Rep.* 2021 Jul 16;23(9):121. doi: 10.1007/s11886-021-01550-y. PMID: 34269900; PMCID:PMC8522185.
205. Castrichini M, Eldemire R, Groves DW, Taylor MR, Miyamoto S, Mestroni L. Clinical and genetic features of arrhythmogenic cardiomyopathy: diagnosis, management and the heart failure perspective. *Prog Pediatr Cardiol.* 2021 Dec;63:101459. doi: 10.1016/j.ppedcard.2021.101459. Epub 2021 Nov 2. PMID:34970070; PMCID: PMC8713726.
206. Bui QM, Hong KN, Kraushaar M, Ma GS, Brambatti M, Kahn AM, Battiha CE, Boynton K, Storm G, Mestroni L, Taylor MRG, DeMaria AN, Adler EA. Myocardial Strain and Association With Clinical Outcomes in Danon Disease: A Model for Monitoring Progression of Genetic Cardiomyopathies. *J Am Heart Assoc.* 2021 Dec 7;10(23):e022544. doi: 10.1161/JAHA.121.022544. Epub 2021 Nov 30. PMID:34845930.
207. Chen SN, Lam CK, Wan Y-W, Gao S, Malak OA, Zhao SR, Lombardi R, Ambardekar AV, Bristow MR, Cleveland J, Gigli M, Sinagra G, Graw S, Taylor MRG, Wu JC, Mestroni L. Activation of PDGFRA Signaling Contributes to FILAMIN C-Related Arrhythmogenic Cardiomyopathy. *Science Advances* 2022 (in press).
208. Kuwabara JT, Hara A, Heckl JR, Peña B, Bhutada S, DeMaris R, Ivey MJ, DeAngelo LP, Liu X, Park J, Jahansooz JR, Mestroni L, McKinsey TA, Apte SS, Tallquist MD. Regulation of extracellular matrix composition by fibroblasts during perinatal cardiac maturation. *J Mol Cell Cardiol.* 2022 Aug;169:84-95.doi: 10.1016/j.yjmcc.2022.05.003. Epub 2022 May 13. PMID: 35569524.
209. Peña B, Adbel-Hafiz M, Cavašin M, Mestroni L, Sbaizero O. Atomic Force Microscopy (AFM) Applications in Arrhythmogenic Cardiomyopathy. *Int J Mol Sci.* 2022 Mar 28;23(7):3700. doi: 10.3390/ijms23073700. PMID: 35409059; PMCID:PMC8998711.
210. Sidhu K, Castrini AI, Parikh V, Reza N, Owens A, Tremblay-Gravel M, Wheeler MT, Mestroni L, Taylor M, Graw S, Gigli M, Merlo M, Paldino A, Sinagra G, Judge DP, Ramos H, Mesubi O, Brown E, Turnbull S, Kumar S, Roy D, Tedrow UB, Ngo L, Haugaa K, Lakdawala NK. The response to cardiac resynchronization therapy in LMNA cardiomyopathy. *Eur J Heart Fail.* 2022 Apr;24(4):685-693. doi:10.1002/ejhf.2463. Epub 2022 Mar 14. PMID: 35229420; PMCID: PMC9106891.
211. Cannatà A, Merlo M, Dal Ferro M, Barbati G, Manca P, Paldino A, Graw S, Gigli M, Stolfo D, Johnson R, Roy D, Tharratt K, Bromage DI, Jirikowic J, Abbate A, Goodwin A, Rao K, Marawan A, Carr-White G, Robert L, Parikh V, Ashley E, McDonagh T, Lakdawala NK, Fatkin D, Taylor MRG, Mestroni L, Sinagra G. Association of Titin Variations With Late-Onset Dilated Cardiomyopathy. *JAMA Cardiol.* 2022 Apr 1;7(4):371-377. doi: 10.1001/jamacardio.2021.5890. PMID:35138330; PMCID: PMC8829739.
212. Castrichini M, et al. Sex Differences in Natural History of Biopsy-proven Lymphocytic Myocarditis and CMR-confirmed Myocarditis. *ESC Heart Failure* 2022 (in press) [EMID:33832fad6cf8a2a2]

## Books

Sinagra G, Mestroni L, Camerini F. Genetic cardiomyopathies. Springer Heidelberg, New York. 2012

## Textbook Chapters, Invited Articles and Reviews:

1. Camerini F, Borgioni L, Fonda F, Klugmann S, Mestroni L, Salvi A, Silvestri F. Congestive cardiomyopathy. Diagnostic and hemodynamic aspects. In: *Aggiornamenti in cardiologia 1980*, ed. Luigi Pozzi, Roma, p. 99.
2. Camerini F, Mestroni L, Alberti E, Klugmann S, Salvi A, Silvestri F, Valente M. (Does ischemic cardiomyopathy exist?) *Esiste la cardiomiopatia ischemica?* In: *La cardiopatia ischemica silente*, Schiapparelli Farmaceutici Editore, 1982, p. 308.
3. Camerini F, Salvi A, Mestroni L, Neri R, Dreas L, Valente M, Silvestri F. (Myocarditis: recent advances and similarities with cardiomyopathies) *Le miocarditi: attualità e punti d' incontro con le cardiomiopatie.* In: *Conoscere e curare il cuore 1985*, Schiapparelli Farmaceutici Editore, p. 404.

4. Camerini F, Salvi A, Mestroni L, Neri R, Silvestri F, Tanganelli P. (Dilated cardiomyopathy: the role of endomyocardial biopsy) La cardiomiopatia dilatativa: ruolo della biopsia endomiocardica. In: *Cardiologia* 1985, Librex Editore, Milano 1985, p. 166.
5. Camerini F, Mestroni L, DiLenarda. (Mildly dilated cardiomyopathy: a rare form or poorly understood?) Cardiomiopatia dilatativa di grado moderato - forma rara o poco conosciuta? In: *Conoscere e curare il cuore* 1988, Schiapparelli Farmaceutici editore 1988, p. 439.
6. Camerini F, DiLenarda A, Dreas L, Mestroni L, Pinamonti B. (Electrocardiographic aspects of pseudonecrosis) Aspetti elettrocardiografici di pseudonecrosi. In: *L' elettrocardiologia cento anni dopo*, Centro Scientifico Torinese 1987, p. 49.
7. Camerini F, Mestroni L, Perkan A, Pinamonti B, Sinagra GF, e il Gruppo di Studio sulle Malattie del Muscolo Cardiaco. (The classification of cardiomyopathies is still valid? New forms and new problems) La classificazione attuale delle cardiomiopatie e' ancora valida? Nuove forme e nuovi problemi. In: *Conoscere e curare il cuore* 93, Prati PL ed, Firenze 1993, p. 251.
8. Fonda F, Borgioni L, Fioretti P, Klugmann S, Mestroni L, Salvi A, Camerini F. (Arrhythmias in congestive cardiomyopathy;. Diagnostic aspects and therapy with amiodarone) Le aritmie nella cardiomiopatia congestizia. Aspetti diagnostici ed approccio terapeutico con amiodarone. In: *Le nuove frontiere delle aritmie*, Piccin Editore, Padova 1980, p. 501.
9. Neri R, Mestroni L, Camerini F, Salvi A, Pandullo C. Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone. A long term study. *New trends in arrhythmias* 1986(2), p. 205.
10. Camerini F, Humar F, Mestroni L, Neri R. (Vasodilators in congestive heart failure) I vasodilatatori nello scompenso cardiaco. In *Cardiologia oggi*, Centro Scientifico Torinese, Torino 1983, p. 187.
11. Camerini F, DiLenarda A, Mestroni L, Miani D. (The role of adrenergic blockade in the treatment of cardiomyopathy) Il ruolo del blocco adrenergico nel trattamento della cardiomiopatia. In: *Conoscere e curare il cuore*, Schiapparelli Farmaceutici editore 1987, p. 363.
12. Mestroni L, Di Lenarda A, Sinagra G, Pinamonti B, Camerini F. (Criteria for the identification of patients with cardiomyopathy in which medical treatment can delay the transplant) Criteri per l' identificazione dei pazienti con cardiomiopatia in cui la terapia medica puo far differire il trapianto. In: *Cardiologia* 1991, Rovelli F, De Vita C, Moreo A. (eds), Librex Milano 1991, p. 777.
13. Neri R, Mestroni L, Barbieri L, Camerini F. (The natural history of dilated cardiomyopathy) La storia naturale della cardiomiopatia dilatativa. In: *\_ Giornate Cardiologiche Romane* 1985, pag 69.
14. Di Lenarda A, Lardieri G, Pinamonti B, Miani D, Mestroni L, Sinagra GF, Camerini F. (Dilated cardiomyopathy: natural history factors predicting evolution and prognosis) Cardiomiopatia dilatativa: storia naturale e fattori determinanti l' evoluzione e la prognosi. In: *Cardiologia*, Librex Milano 1989, p. 243.
15. Camerini F, Di Lenarda A, Lardieri G, Mestroni M, Pinamonti B, Salvi A, Sinagra G. Natural history of dilated cardiomyopathy. In: *Idiopathic dilated cardiomyopathy*, Springer-Verlag, Berlin-Heidelberg, 1993, p. 27.
16. Camerini F, Miani D, Mestroni L, Neri R, Salvi A, Silvestri F. (Cardiomyopathies: advances in etiopathogenesis) Cardiomiopatie: aspetti attuali di eziopatogenesi. In: *Seminari di Medicina Interna*, Punta Ala 1986, p.97.
17. Camerini F, Mestroni L, Miani D. (Dilated cardiomyopathy: analysis of the possible etiologic factors) Cardiomiopatia dilatativa: un' analisi dei possibili fattori eziologici. In: *Malattie del muscolo cardiaco*, Centro Scientifico Torinese, Torino 1987, p. 287.
18. Camerini F, Mestroni L, Sinagra GF, Lardieri G, Giacca M, Di Lenarda A, Perkan A, Pinamonti B, Severini GM. (Dilated cardiomyopathy: post-viral, immunologic disease or something else?) Cardiomiopatia dilatativa: Malattia postvirale, immunologica od altro? In: *Conoscere e curare il cuore* 92, Prati PL ed, Firenze 1992, p. 163.
19. Sinagra GF, Perkan A, Camerini F, e il Gruppo di Studio sulle Malattie del Miocardio (Mestroni L.): (Role of the adrenergic system in dilated cardiomyopathy) Ruolo del sistema adrenergico

- nella cardiomiopatia dilatativa. In: *Cardiologia* 1992, Librex, Milano 1992, p. 735.
20. Camerini F, Di Lenarda A, Mestroni L, Perkan A, Sinagra G. (Myocarditis and dilated cardiomyopathy) Miocardite e cardiomiopatia dilatativa. Edizioni Luigi Pozzi 1995.
  21. Mestroni L, Krajcinovic M, Severini GM, Milasin J, Pinamonti B, Rocco C, Vatta M, Falaschi A, Camerini F, Giacca M. Molecular genetics of dilated cardiomyopathies. In: *Genetic advances in cardiovascular biology*. Seidman J, Seidman C (eds), Harvard Medical School University press, 1994.
  22. Camerini F, Di Lenarda A, Perkan A, Pinamonti B, Sinagra GF, and the Heart Muscle Disease Study Group (Mestroni L, et al.). Right ventricular dysplasia/cardiomyopathy: what is the evolution of the disease? In *Prognosis and treatment of cardiomyopathies and myocarditis*, Sekiguchi M and Richardson PJ eds, University of Tokyo press, 1994, p. 281.
  23. Mestroni L. (Genetics of dilated cardiomyopathy) Studio genetico della cardiomiopatia dilatativa. In: *Genetica e immunologia in cardiologia*. Riggio G. (ed), Fondazione di cultura per la cardiologia Vittorio e Livia Tonolli, Verbania Pallanza 1996, p. 32.
  24. Mestroni L, Rocco C, Vatta M, Dario Gregori, Sinagra GF, Sniezana Miodic, Maja Matulic, Tatiana Zerjal, Milasin J, Di Lenarda A, Falaschi A, Giacca M, Camerini F. Genetic alterations in dilated cardiomyopathy. *Cardiologia* 1996;41(4):701.
  25. Mestroni L, Rocco C, Miodic M, Di Lenarda A, Sinagra G, Gregori D, Vatta M, Matulic M, Zerjal T, Falaschi A, Camerini F, Giacca M. Dilated cardiomyopathy: does etiological heterogeneity portend clinical heterogeneity? In: *Advances in cardiomyopathies*, Springer-Verlag, Berlin-Heidelberg, 1997, pp 160-170.
  26. Sinagra, G, Mestroni L, Camerini F. The classification of cardiomyopathies. In: *Advances in cardiomyopathies*, Springer-Verlag, Berlin- Heidelberg, 1997, pp 3-13.
  27. Mestroni L, Rocco C, Vatta M, Miodic S, Giacca M. Advances in molecular genetics of dilated cardiomyopathy. *Cardiol Clin* 1998;16:611-621.
  28. Poletti A, Rocco C, Miodic S, Mestroni L. Dilated cardiomyopathy and arrhythmogenic right ventricular dysplasia: from gene to phenotype. In: *Advances in noninvasive electrocardiographic monitoring techniques*, Osterhues H-H, Hombach V, and Moss J eds, Kluwer Academic Publishers, 1998, pp 19-26.
  29. Bristow RM, Mestroni L, Bohlmeyer T,J, Gilbert EM. Dilated Cardiomyopathies. In *Hurst's The Heart* 11<sup>th</sup> edition, Fuster V et al, eds, The McGraw-Hill Companies, Inc., New York 2001, pages 1947-1966.
  30. Bristow MR, O Connell JB, Mestroni L. Myocardial diseases. In: *Kelley's Textbook of Internal Medicine*, Humes HD et al, ed. Lippincott, Williams & Wilkins, Philadelphia 2000, 464-474.
  31. Mestroni L. [Genetics in dilated cardiomyopathies]. In [Textbook of Cardiology A.N.M.C.O.], Santini M ed., Excerpta Medica, Milan 2000.
  32. Mestroni L, Brodsky GL. Advances in the genetics of cardiomyopathy. *Emodinamica* 2000;21
  33. Taylor M, Mestroni L. Lamin A/C mutations in familial dilated cardiomyopathy. In: *Harrison's Online*, (<http://www.harrisonsonline.com>), Braunwald E. ed, The McGraw-Hill Companies Inc., Boston 2001.
  34. Taylor M, Mestroni L. Lamin A/C mutations in familial dilated cardiomyopathy. In: *Harrison's Advances in Cardiology*, Braunwald E. ed, The McGraw-Hill Companies Inc., Boston 2002, pp 455-460.
  35. Mestroni L, Zolty R. Primary Cardiomyopathies. In Bristow MR, Hergott LJ (eds): *Treatment Strategies In Cardiovascular Medicine*. New York, [Pocketmedicine.com](http://Pocketmedicine.com), 2002.
  36. Mestroni L, Bohlmeyer T,J, Gilbert EM, Bristow RM. Dilated Cardiomyopathies. In *Hurst's The Heart*, Fuster VI et al, eds, The McGraw-Hill Companies, Inc., New York 2004, pp 1889-1907
  37. Taylor RG, Carniel E, Mestroni L. Cardiomyopathy, familial dilated. Orphanet Databases. 2003 (<http://www.orpha.net>)
  38. Ku L, Carniel E, Taylor MRG, Mestroni L. Familial Dilated Cardiomyopathy. Commentary, International Atherosclerosis Society (IAS) Website ([www.athero.org](http://www.athero.org))



39. Taylor MRG, Barnes CV, Mestroni L. Complex cardiomyopathies: laminopathies and arrhythmogenic right ventricular dysplasia/cardiomyopathy. In *Molecular Mechanisms of Cardiac Hypertrophy*. Walsh RA (editor). Taylor and Francis, London, 2005 (Chapter 33):569-86.
40. Zachara E, Albi F, Re F, Carniel E, Mestroni L. [The patient with familiarity for dilated cardiomyopathy. In: Prevention in heart failure], *La prevenzione nello scompenso cardiaco il paziente con familiarita' per cardiomiopatia dilatativa*. Il Pensiero Scientifico Editore s.r.l., Roma 2004.
41. Taylor MR, Carniel E, Mestroni L. Cardiomyopathy, familial dilated. *Orphanet J Rare Dis*. 2006 Jul 13;1(1):27
42. Mestroni L, Miyamoto SD, Taylor, MRG. Genetics of Dilated Cardiomyopathy Conduction Disease. *Progress in Pediatric Cardiology* 2007;24:3-13.
43. Mestroni L, Gilbert EM, Lowes BL, Bristow RM. Dilated Cardiomyopathies. In *Hurst's the Heart Manual of Cardiology*, 12th edition, Ch. 40. O'Rourke R.A, Walsh R. & Fuster VI, eds., The McGraw-Hill Companies, Inc., New York, 2008, p 803.
44. Mestroni L, Merlo M, Taylor MRG, Camerini F, Sinagra G. Scompenso cardiaco e terapie personalizzate: dalle malattie monogeniche alla farmacogenomica. [Heart failure and personalized therapies: from monogenic diseases to pharmacogenomics]. In: *Conoscere e curare il cuore 2010*, F. Prati editor, Edizioni Urban, Saronno 2010, page 313-322.
45. Mestroni L, Gilbert EM, Lowes BL, Bristow RM. Dilated Cardiomyopathies. In *Hurst's the Heart Manual of Cardiology*, 13th edition, Ch. 40. Fuster VI, Walsh R. & Harrington R, eds., The McGraw-Hill Companies, Inc., New York 2010.
46. Brun F, Taylor MRG, Pinamonti B, Sinagra G, Mestroni L. Arrhythmogenic right ventricular dysplasia/cardiomyopathy: novel insights in a life-threatening disorder. In: "New frontiers in heart Disease", Kimchi A. ed., *Proceedings of the 16th World Congress on Heart Disease of the International Academy of Cardiology (Vancouver, CA, July 23-26, 2011)*. Medimond, Bologna (Italy) 2012, page 223-230. ISBN:978-88-7587-652-4
47. Mestroni L. Genomic prediction of individual drug response. *Heart Metab* 2012;55:18-24. ISSN: 1566-0338
48. Mestroni L, Brun F, Spezzacatene A, Sinagra G, Taylor MR. Chapter 16. Arrhythmogenic right ventricular cardiomyopathy (ARVC). In *The Right Ventricle in Health and Disease*, Voelkel NF & Schranz D eds. Springer Science New York 2015 (in press)
49. Brun F, DiNora C, Moretti M, Spezzacatene A, Mestroni L, Camerini F. Chapter 2: Genetics: Genotype/Phenotype Correlations in Cardiomyopathies. In: *Clinical Echocardiography and Other Imaging techniques in Cardiomyopathies*, Pinamonti B & Sinagra G Editors, Springer (Italy) 2014, page 13-24
50. Brun F, DiNora C, Merlo M, Pivetta A, Mestroni L, Sinagra G. Arrhythmogenic Right Ventricular Cardiomyopathy: Clinical Assessment and Differential Diagnosis, In: *Clinical Echocardiography and Other Imaging techniques in Cardiomyopathies*, Pinamonti B & Sinagra G Editors, Springer (Italy) 2014, page 139-150
51. Mestroni, Luisa; Tharp, Charles A; Sweet, Mary E; Graw, Sharon L; Taylor, Matthew RG (June 2014) *Molecular Genetics of Dilated Cardiomyopathy*. In: *eLS 2014*, John Wiley & Sons Ltd: Chichester <http://www.els.net/> [DOI: 10.1002/9780470015902.a0024317]
52. Patel A, Mestroni L, Marcus F. Association of phenotype and genotype in diagnosis and prognosis of ARVC in the adult population. In: *Cardiac MRI in Diagnosis, Clinical Management and Prognosis of Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy*, Abidov A, Oliva I, Marcus F editors, Elsevier (in press).
53. Sweet M, Taylor MRG, Mestroni L. Chapter 12: Diseases of the Nuclear Membrane, In: *Cardioskeletal myopathies in children and adults*, Towbin JA, Jefferies JL, Baxall BC, Robbins J Editors, Elsevier (in press)
54. Brun F, Spezzacatene A, Stolfo D, Merlo M, Aleskova A, Mestroni L, Sinagra G. *Cardiomiopatie: 1-2-100 geni; come dare un po' d'ordine alle nuove conoscenze*. In: *Conoscere e curare il cuore*

2014, page 131-143

55. Puggia I, Rowland TJ, Miyamoto S, Sinagra G, Mestroni L. Molecular and Cellular Mechanisms in Heart Failure, in "Heart Failure In the Child and Young Adult: From Bench to Bedside" Jefferies, Rossano, Chang, Towbin, Shaddy Editors, Elsevier (in press)
56. Sweet ME, Mestroni L, Taylor MRG. Genetic Infiltrative Cardiomyopathies. *Heart Fail Clin.* 2018 Apr;14(2):215-224.
57. Peña B, Laughter M, Jett S, Rowland TJ, Taylor MRG, Mestroni L, Park D. Injectable Hydrogels for Cardiac Tissue Engineering. *Macromol Biosci.* 2018 Jun;18(6):e1800079. Epub 2018 May 7. Review.
58. Paldino A, De Angelis G, Merlo M, Gigli M, Dal Ferro M, Severini GM, Mestroni L, Sinagra G. Genetics of Dilated Cardiomyopathy: Clinical Implications. *Curr Cardiol Rep.* 2018 Aug 13;20(10):83. doi: 10.1007/s11886-018-1030-7. Review.
59. Addison J, Taylor MRG, Mestroni L. Genotype-phenotype correlations in ARVC: Toward a precision medicine approach. *Int J Cardiol.* 2019 Jul 1;286:115-116. Invited Editorial.
60. Merlo M, Grilli G, Cappelletto C, Masé M, Porcari A, Dal Ferro M, Gigli M, Stolfo D, Zecchin M, De Luca A, Mestroni L, Sinagra G. The arrhythmic phenotype in cardiomyopathy. In *Heart Failure Clinics: Rare cardiovascular Diseases.* Limongelli, Monda, Lioncino, Bassone Editors. Elsevier 2022.
61. Pena B, Royal Society of Chemistry

#### Scientific Abstract (Competitive)

1. Klugmann S, Borgioni L, Fonda F, Mestroni L, Salvi A, Camerini F. Afterload reducing agents in congestive cardiomyopathy: a study with a calcium antagonist drug: nifedipine (N). VIII European congress of Cardiology, Paris 1980, abstr. 0474
2. Klugmann S, Borgioni L, Fonda F, Mestroni L, Salvi S, Camerini F. Afterload reducing agents in congestive cardiomyopathy a study with a calcium antagonist drug (nifedipine). *Cardiomyopathy Symposium, Budapest 1980*, p. 24.
3. Klugmann S, Chersevani D, Mestroni L, Salvi A, Camerini F. (Constrictive pericarditis and restrictive cardiomyopathy: problems of differential diagnosis) *Pericardite costrittiva e cardiomiopatia restrittiva \_ problemi di diagnosi differenziale. Congresso Italiano di Cardiologia, Roma 1981*, p. 143.
4. Salvi S, Alberti E, Borgioni L, Fonda F, Gori P, Klugmann S, Mestroni L, Camerini F. (Acute and medium term effects of nifedipine) *Effetti acuti e a medio termine della nifedipina nello scompenso cardiaco cronico. Congresso Italiano di Cardiologia, Roma 1981*, p. 259.
5. Morgera T, Salvi A, Alberti E, Barducci E, Fonda F, Klugmann S, Medugno G, Mestroni L, Narducci P, Silvestri F, Camerini F. Hemodynamic and hystologic study of idiopathic ventricular tachycardia. 5th. Seminar *New frontiers of arrhythmias, Marilleva 1982*, p. 57.
6. Mestroni L, Alberti E, Klugmann S, Salvi A, Silvestri F, Camerini F. (Endomyocardial biopsy in the diagnosis of secondary cardiomyopathy) *La biopsia endomiocardica nella diagnosi di \_ cardiomiopatia secondaria. Congresso Nazionale di Cardiologia, Bologna 1983*, p. 44.
7. Humar F, Maras P, Mestroni L, Morgera T, Camerini F. (Hemodynamic effects of ibopamine in chronic congestive heart failure) *Effetti emodinamici dell' ibopamina nello scompenso cardiaco congestizio cronico. Congresso Nazionale di Cardiologia, Bologna 1983*, p. 8.
8. Mestroni L, Neri R, Camerini F. (ECG in cardiomyopathies) *L' ECG nelle cardiomiopatie dilatative. Congresso Nazionale di Cardiologia A.N.M.C.O, Firenze 1984*, p. 62.
9. Neri R, Fonda F, Mestroni L, Morgera T, Camerini F. (Ventricular arrhythmia in congestive cardipomyopathy) *Le aritmie ventricolari nella cardiomiopatia congestizia. Congresso Nazionale di Cardiologia A.N.M.C.O, Firenze 1984*, p. 116.
10. Morgera T, Mestroni L, Neri R, Salvi A, Silvestri F, Camerini F. *Bradyarrhythmias \_ clinical aspects. In \_ Progress in clinical pacing , Roma 1984*, p. 31.
11. Camerini F, Salvi A, Mestroni L, Silvestri F, et al. *Endomyocardial biopsy in dilated*

- cardiomyopathy. In *Progress in clinical pacing*, Roma 1986, p135.
12. Neri R, Mestroni L, Camerini F. Ventricular arrhythmias in dilated cardiomyopathy and efficacy of amiodarone. A long-term study. Congress New frontiers of arrhythmias, Marilleva 1986, p. 205.
  13. Mestroni L, Faggioli F, Neri R, Pivotti F, Fonda F, Camerini F. (Ambulatory ECG at high altitude ) ECG dinamico in alta quota (Himalaya). *G Ital Cardiol* 1986,16 Suppl. I:94.
  14. Miani D, Mestroni L, Pinamonti B, Neri R, Silvestri F, Salvi A, Camerini F. (Familial dilated cardiomyopathy) La cardiomiopatia dilatativa familiare. *G Ital Cardiol* 1986, 16 Suppl.I:160.
  15. DiLenarda A, Mestroni L, Silvestri F, Tanganelli P, Camerini F. (Prognostic factors in dilated cardiomyopathy: prognostic value of morphometry) Fattori prognostici nella cardiomiopatia dilatativa: valore prognostico della morfometria. *G Ital Cardiol* 1987, 17 Suppl I:101.
  16. Mestroni L, Pinamonti B, DiLenarda A, Miani D, Camerini F. (Contribution of echocardiography in the identification of candidates for heart trqnsplant) Contributo dell' ecocardiografia nell' individuare I pazienti candidati al trapianto cardiaco. In: *Ecocardiografia*, Milano 1987, p. 219.
  17. Tanganelli P, Bianciardi G, DiLenarda A, Salvi A, Silvestri F, Mestroni L, Bussani R, Camerini F. Endomyocardial biopsy in Dilated Cardiomyopathy: Multivariate analysis of Clinical, Prognosis and morphometric data. In XVI International Congress of the International Academy of Pathology & 8th World Congress of Academic & Environmental Pathology. Dublino 1988 (abstr).
  18. Mestroni L, Miani D, Pinamonti B, DiLenarda A, Filippi G, Camerini F. Familial dilated cardiomyopathy. *Eur Heart J*, 1988,suppl 1:187.
  19. DiLenarda A, Lardieri G, Mestroni L, Camerini F. (Natural history of dilated cardiomyopathy: uni- and multivariate analysis of factors predicting good prognosis.) Storia naturale della cardiomiopatia dilatativa (CMPD): analisi uni- e multivariata dei fattori predittivi di una buona prognosi. *G Ital Cardiol* 1989, 19 suppl 1:121.
  20. DiLenarda A, Lardieri G, Mestroni L, Camerini F. Natural history of dilated cardiomyopathy: uni- and multivariate analysis of factors predicting good prognosis. *Atti dell' International Congress New Trends in Cardiomyopathies*, Firenze 1989, p. 96.
  21. Miani D, Mestroni L, DiLenarda A, Filippi G, Camerini F. *Atti dell' International Congress" New Trends in Cardiomyopathies*, Firenze 1989, p. 81.
  22. Di Lenarda A, Lardieri G, Mestroni L, Camerini F. Natural history of dilated cardiomyopathy: uni- and multivariate analysis of factors predicting a good prognosis. *Eur Heart J* 1989, 10 (abstr. Supp I.) 215.
  23. Miani D, Di Lenarda A, Mestroni L, Filippi G, Camerini F. Dilated cardiomyopathy: the role of genetic factors. 1st. International Symposium on Heart Failure \_ Mechanisms and Management, abst. 163.
  24. Miani D, Mestroni L, Di Lenarda A, Filippi G, Camerini F. Dilated cardiomyopathy \_ the role of genetic factors. X World Congress of Cardiology 1990,I-119
  25. Di Lenarda A, Lardieri G, Mestroni L, Miani D, Pinamonti B, Salvi A, Sinagra GF, Camerini F. Natural history of dilated cardiomyopathy: is improvement possible? *Eur Heart J* 1991;12(suppl.):77.
  26. Gilbert EM, Mestroni L, Anderson JL, Woodley SL, Bristow MR.Can response to beta-blocker therapy in idiopathic dilated cardiomyopathy be predicted by baseline parameters? *Circulation* 1989;80:II-428.
  27. Severini G.M, Giacca M, Mestroni L, Salvi A, Falaschi A, Camerini. Detection of enterovirus RNA in endomyocardial biopsies of patients with dilated cardiomyopathy and myocarditis. *Circulation* 1991;84(II):439.
  28. Sinagra G, Zecchin M, Perkan A, Di Lenarda A, Lardieri G, Morgera T, Mestroni L, Camerini F. Beta-blockers in dilated cardiomyopathy: effects of metoprolol on complex ventricular arrhythmias. 25th Anniversary Cardiology Meeting- *Cardiologia Triveneta*, Slovenian Society of Cardiology, Alpe Adria Experts, Trieste 1992, p. 67.
  29. Severini G.M, Giacca M, Mestroni L, Salvi A, Falaschi A, Camerini F. Nested polymerase chain reaction for the detection of enteroviral RNA in edomyocardial tissue of patients with

- cardiomyopathy and myocarditis. *Eur. Heart J.* 1992;13(abstr. Suppl.): 49.
30. Caforio ALP, Zachara E, Mestroni L, Miani D, Keeling PJ, Prati PL, Bottazzo GF, Camerini F, McKenna W. Organ-specific autoantibodies are early diagnostic markers of familial dilated cardiomyopathy. *Eur Heart J* 1992;13(abstr.suppl):49.
  31. Caforio ALP, Zachara E, Keeling P, Mestroni L, Camerini F, Bottazzo GF, McKenna W: Increased frequency of cardiac antibodies in familial dilated cardiomyopathy: evidence for autoimmune pathogenesis. *Circulation* 1992;86:I-527.
  32. Mestroni L, Martinetti M, Cappello N, Misefari V, Giacca M, Camerini F. HLA linkage analysis in familial dilated cardiomyopathy and right ventricular dysplasia. *Circulation* 1992;86:I-794.
  33. Tanganelli P, Attino V, Mestroni L, Miani D, Silvestri F, Bianciardi G. (Idiopathic left ventricular aneurysm: clinical, histologic and morphometric correlations) *Aneurisma idiopatico del ventricolo sinistro: correlazioni clinico-istomorfometriche.* Congress del Gruppo di Studio Italiano di Patologia Cardiovascolare, Patologia del trapianto cardiaco, Firenze 1992
  34. Severini GM, Giacca M, Mestroni L, Krajinovic M, Di Lenarda A, Sinagra GF, Falaschi A, Camerini F: (Low frequency of detection of enterovirus RNA in endomyocardial tissue of patients with idiopathic dilated cardiomyopathy) Bassa frequenza di identificazione di genomi enterovirali nel tessuto endomiocardico di pazienti con cardiomiopatia dilatativa. 24th Congress A.N.M.C.O, G Ital Cardiol 1993
  35. Severini GM, Giacca M, Mestroni L, Krajinovic M, Di Lenarda A, Sinagra GF, Falaschi A, Camerini F: Low frequency of detection of enterovirus RNA in endomyocardial tissue of patients with idiopathic dilated cardiomyopathy by nested polymerase chain reaction. *Acta 1st Alpe Adria Cardiology Meeting , Radenci (Slovenja) 1993, p. 8.*
  36. Mestroni L, Martinetti M, Cappello N, Giacca M, Krajinovic M, Severini GM, Pinamonti B, Sinagra GF, Di Lenarda A, Lardieri G, Falaschi A, Camerini F: Immunogenetic studies in familial dilated cardiomyopathy: lack of evidence for linkage to HLA locus. *Eur Heart J* 1993;14 (abstr.suppl):53.
  37. Caforio ALP, Keeling PJ, Mestroni L, Camerini F, Zachara E, Bent S, Bottazzo GF, McKenna J: Increased frequency of organ-specific cardiac antibodies in healthy relatives of patients with familial and sporadic dilated cardiomyopathy. *Eur Heart J* 1993;14(abstr.suppl):54.
  38. Caforio ALP, Keeling PJ, Mestroni L, Camerini F, Zachara E, Johnson PK, Bent S, Bottazzo GF, McKenna J: Increased frequency of organ-specific cardiac antibodies in healthy relatives of patients with dilated cardiomyopathy: evidence for autoimmune pathogenesis. *Br Heart J* 1993;69:P7.
  39. Krajinovic M, Mestroni L, Severini GM, Vatta M, Pinamonti B, Camerini F, Falaschi A, Giacca M. Cardiomiopatia dilatativa familiare: assenza di linkage con geni codificanti proteine coinvolte nella regolazione del sistema immunitario. Meeting SIMGBM-SIBBM-AGI-ABCD 1994, p. 499.
  40. Caforio ALP, Keeling PJ, Mestroni L, Camerini F, Zachara E, Bottazzo GF, McKenna J: Increased frequency of organ-specific cardiac antibodies in asymptomatic relatives of patients with familial and non-familial dilated cardiomyopathy. *J Am Coll Cardiol* 1994(A):341.
  41. Krajinovic M, Pinamonti B, Sinagra GF, Vatta M, Severini GM, Milasin J, Falaschi A, Camerini F, Giacca M, Mestroni L. Linkage of familial idiopathic dilated cardiomyopathy to chromosome 9. *J Am Coll Cardiol* 1995;27(A):226.
  42. Vatta M, Krajinovic M, Milasin J, Severini GM, Pinamonti B, Sinagra GF, Camerini F, Falaschi A, Mestroni L, Giacca M. Identification of a locus for familial dilated cardiomyopathy on chromosome 9. Meeting SIMGBM-SIBBM-AGI-ABCD 1995, p 244
  43. Vatta M., Krajinovic M., Milasin J., Severini G.M., Matulic M., Pinamonti B., Sinagra G., Camerini F., Falaschi A., Giacca M., Mestroni L. Identification of a locus for Familial Dilated Cardiomyopathy on chromosome 9. *Human Genome Meeting '96, 22th-24th March 1996, Heidelberg.*
  44. Krajinovic M., Pinamonti B., Sinagra G., Vatta M., Severini G.M., Milasin J., Matulic M., Falaschi A., Camerini F., Giacca M., Mestroni L. and the Heart Muscle Disease Study Group. Linkage of Autosomal dominant familial dilated cardiomyopathy to chromosome 9. *Eur J Hum Genet*

- 1996;4(Suppl):73.
45. Milasin J., Muntoni F., Severini G.M., Bartoloni L., Vatta M., Krajinovic M., Matulic M., Angelini C., Mateddu A., Camerini F., Falaschi A., Mestroni L., Giacca M. and the Heart Muscle Disease Study Group. A point mutation in the 5' splice site of the first intron of the dystrophin gene responsible for X-linked dilated cardiomyopathy.
  46. Vatta M., Matulic M., Severini G.M., Krajinovic M., Milasin J., Pinamonti B., Sinagra G., Brunazzi M.C., Fioretti P., Camerini F., Falaschi A., Giacca M., Mestroni L. and the Heart Muscle Disease Study Group. A new locus for Arrhythmogenic right ventricular dysplasia on the long arm of chromosome 14. *Eur J Hum Genet* 1996;4(Suppl):73.
  47. Milasin J, Muntoni F, Severini GM, Bartoloni L, Vatta M, Krajinovic M, Angelini C, Camerini F, Falaschi A, Mestroni L, Giacca M. A point mutation in the 5' splice site of the first intron of the dystrophin gene responsible for X-linked dilated cardiomyopathy. *J Am Coll Cardiol* 1995;27(A):226.
  48. Matulic M, Severini GM, Krajinovic M, Milasin J, Vatta M, Pinamonti B, Brunazzi MC, Fioretti P, Camerini F, Falaschi A, Giacca M, Mestroni L. Evidence for genetic heterogeneity in arrhythmogenic right ventricular dysplasia *Eur Heart J* 1996;17(abstr. Suppl)165.
  49. Milasin J, Muntoni F, Severini GM, Vatta M, Angelini C, Camerini F, Falaschi A, Giacca M, Mestroni L. Evidence for dystrophin gene 5' end involvement in X-linked dilated cardiomyopathy. *Eur Heart J* 1996;17(abstr. Suppl)165.
  50. Mestroni L, Krajinovic M, Sinagra GF, Pinamonti B, Milasin J, Rocco C, Severini GM, Vatta M, Matulic M, Falaschi A, Camerini F, Giacca M. Genetic factors in dilated cardiomyopathy. *Viemes Journees Europeennes de la Societe FranÁaise de Cardiologie* 1996:33.
  51. Novakovic I, Milasin J, Lukovic L, Bunjevacki V, Todorovic S, Rakocevic V, Jovanovic I, Mestroni L. Cardiac involvement in Becker Muscular dystrophy patients in relation to the type of dystrophin gene deletions. *Second Balkan Meeting of Human Genetics* 1996; d8.
  52. Gregori D, Rocco C, Di Lenarda A, Sinagra GF, Miodic S, Camerini F, Mestroni L. Estimating the frequency of familial dilated cardiomyopathy and the risk of misclassification error. *Circulation* 1996;94:I-270.
  53. Mestroni L, Muntoni F, Milasin J, Di Lenarda A, Sinagra GF, Rocco C, Vatta M, Matulic M, Falaschi A, Camerini F, Giacca M. Familial dilated cardiomyopathy with subclinical skeletal muscle involvement. *Circulation* 1996;94:I-271.
  54. Rocco C, Miodic S, Di Lenarda A, Sinagra G, Gregori D, Vatta M, Matulic M, Zerjal T, Giacca M, Mestroni L. (Dilated cardiomyopathy: frequency and characteristics) *Cardiomiopatia dilatativa familiare: frequenza e caratteristiche. G Ital Cardiol* 1997;27(Suppl.I):103.
  55. Rocco C, Miodic S, Di Lenarda A, Sinagra G, Vatta M, Matulic M, Zerjal T, Giacca M, Mestroni L. (Autosomal dominant familial dilated cardiomyopathy with subclinical skeletal muscle involvement) *Cardiomiopatia dilatativa familiare autosomica dominante con coinvolgimento muscolare subclinico. G Ital Cardiol* 1997;27(Suppl.I):103.
  56. Rocco C, Muntoni F, Miodic S, Di Lenarda A, Sinagra G, Vatta M, Matulic M, Zerjal T, Silvestri F, Mestroni L. Subclinical skeletal muscle involvement in familial dilated cardiomyopathy with autosomal dominant pattern of inheritance. *Eur Heart J* 1997;18(abstr. Suppl.):510.
  57. Rocco C, Gregori D, Miodic S, Di Lenarda A, Sinagra G, Caforio A, Vatta M, Matulic M, Zerjal T, Giacca M, Mestroni L. New insights into the genetics of dilated cardiomyopathy. *Circulation* 1997;96:I-696.
  58. Mestroni L, Vatta M, Rocco C, Sinagra G, Zerjal T, Matulic M, Miodic S, Di Lenarda A, Gregori D, Giacca M. Genetics of dilated cardiomyopathy. *J Mol Cell Cardiol* 1997;29:A20.
  59. Zerjal T, Vatta M, Gregori D, Rocco C, Miodic S, Matulic M, Giacca M, Mestroni L. Genetic polymorphisms of the renin-angiotensin system in familial dilated cardiomyopathy. *J Am Coll Cardiol* 1998;31:350A.
  60. Di Lenarda A, Sabbadini G, Salvatore L, Gregori D, Mestroni L, Pinamonti B, Zanchi C, Sinagra G. Additive Effects Of Carvedilol In Idiopathic Dilated Cardiomyopathy With Persistent Left

- Ventricular Dysfunction In Spite Of Chronic Metoprolol. 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
61. Di Lenarda A, Pinamonti B, Salvatore L, Sabbadini G, Gregori D, Di Chiara C, Mestroni L, Sinagra G. Effect of carvedilol on left ventricular geometry in patients with dilated cardiomyopathy poor responders to chronic metoprolol. 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
  62. Mestroni L, Maisch B, McKenna W.J, Schwartz K, Charron P, Rocco C, Tesson F, Wilke A, Komajda M. Familial Dilated Cardiomyopathy: Criteria for Diagnosis and for Family Studies. 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
  63. Mestroni L, Rocco C, Gregori D, Sinagra G, Di Lenarda A, Miocic S, Vatta M, Pinamonti B, Muntoni F, Caforio ALP, McKenna WJ, Falaschi A, Giacca M, Camerini F. Familial dilated cardiomyopathy: evidence for genetic and phenotypic heterogeneity. 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
  64. Zolty R, Brodsky GL, Perryman MB, Bristow MR, Mestroni L, Epidemiology of Cardiac Actin Gene Mutations in Dilated Cardiomyopathy. 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
  65. Brodsky GL, Bush E, Perryman MB, Zolty R, Leinwand LA, Bristow MR, Mestroni L. Development of a Transgenic Mouse Model to Analyze the Role of Cardiac Actin Mutations in Familial Dilated Cardiomyopathy 3rd Annual Scientific Session of the Heart Failure Society of America 1999.
  66. Brodsky GL, Muntoni F, Di Barletta MR, Miocic S, Sinagra G, Sewry C, Toniolo D, Mestroni L. A Lamin A/C Gene Mutation Associated With Dilated Cardiomyopathy With Variable Skeletal Muscle Involvement *J Am Coll Cardiol* 2000;35(A):202A.
  67. Taylor M.R.G., Brodsky G.L., Muntoni F., Sinagra G., Di Lenarda A., Robinson M., Fain P., Mestroni L. Lamin A/C Gene Mutations In Families With Dilated Cardiomyopathy, Conduction System Defects, and Skeletal Muscle Disease. *J Am Coll Cardiol* 2001;37:194A.
  68. Brodsky GL, Moss A, Mestroni L, Taylor MRG. Functional analysis of lamin A/C gene mutations leading to dilated cardiomyopathy, Emery-Dreifuss muscular dystrophy and partial lipodystrophy. *Am J Hum Genet* 2001;69:A603.
  69. Mestroni L, Taylor MRG, Robinson M, Brodsky GL, Moss A, Goodnight J, Sinagra G, Di Lenarda A, Fain P. Comprehensive mutational analysis of the lamin A/C gene in familial and sporadic dilated cardiomyopathies. *Am J Hum Genet* 2001;69:A605.
  70. Zolty R, Passarino G, Brodsky GL, Taylor MG, Moss A, Bristow MR, Cavalli-Sforza LL, Underhill P, Mestroni L. Mutations in cardiac actin appear to be rare in dilated cardiomyopathies. *Am J Hum Genet* 2001;69:A2494.
  71. Taylor M.R.G., Brodsky G.L., Muntoni F., Sinagra G., Di Lenarda A., Robinson M., Fain P., Mestroni L. Lamin A/C Gene Mutations In Families With Dilated Cardiomyopathy, Conduction System Defects, and Skeletal Muscle Disease. *J Am Coll Cardiol* 2001;37:194A.
  72. Taylor MRG, Brodsky GL, Moss A, Muntoni F, Sinagra G, Di Lenarda A, Carniel E, Robinson M, Fain P, Mestroni L. Molecular epidemiology of lamin A/C gene mutations in dilated cardiomyopathy. *Circulation* 2001;104:II-135.
  73. Zolty R, Passarino G, Brodsky GL, Taylor MG, Moss A, Bristow MR, Cavalli-Sforza LL, Underhill P, Mestroni L. Molecular epidemiology of cardiac actin gene mutations in DCM. *J Am Coll Cardiol* 2002;39:178A.
  74. Di Lenarda A, Carniel E, Sabbadini G, Driussi M, Rakar S, Di Chiara C, Zanchi C, Sinagra G, Mestroni L. Natural history of familial dilated cardiomyopathy: the Heart Muscle Disease Registry of Trieste. *J Am Coll Cardiol* 2002;39:149A
  75. Taylor MRG, Ku L, Feiger J, Fain P, Robertson A, Carniel E, Mestroni L. Genetic Counseling of Dilated Cardiomyopathy Due to Lamin A/C Gene Mutations. National Society of Genetic Counseling Meeting 2002, Phoenix, AZ
  76. Carniel E, Di Lenarda A, Ku L, Taylor MRG, Boucek MM, Bristow MR, Sinagra G, Mestroni L. Familial dilated cardiomyopathy: an international registry. *Eur Heart J* 2003 (in press)

77. Carniel E, Taylor MRG, Fain PR, Di Lenarda A, Sinagra G, Lascor J, Ku L, Feiger J, Slavov D, Zhu X, Dao D, Ferguson DA, Mestroni L. Molecular screening of  $\alpha$ -myosin heavy chain in patients with dilated and hypertrophic cardiomyopathy. American Heart Association Annual Meeting 2003, Orlando, FL. *Circulation* 2003;Supplement:abstr.15347
78. Taylor MRG, Fain PR, Carniel E, Di Lenarda A, Sinagra G, Boucek MM, Ku L, Graw SL, Feiger J, Slavov D, Zhu X, Dao D, Ferguson DA, Mestroni L. Molecular Genetic Screening of the Candidate Gene Thymopoietin (TMPO) in Dilated Cardiomyopathy. American Heart Association Annual Meeting 2003, Orlando, FL. *Circulation* 2003;Supplement:abstr.15798
79. Mestroni L. Genotype-phenotype correlations in dilated cardiomyopathy. Keystone Symposia 2003: Molecular Biology of Cardiac Disease.
80. Taylor MRG, Fain PR, Carniel E, Di Lenarda A, Sinagra G, Boucek MM, Ku L, Graw SL, Feiger J, Slavov D, Zhu X, Dao D, Ferguson DA, Mestroni L. Mutation screening of the Thymopoietin gene (TMPO) in dilated cardiomyopathy. American Society of Human Genetics 2003 Meeting, Los Angeles, CA. *Am J Hum Genet* 2003; abstr.
81. Carniel E, Taylor MRG, Fain PR, Di Lenarda A, Sinagra G, Lascor J, Ku L, Feiger J, Slavov D, Zhu X, Dao D, Ferguson DA, Mestroni L. Molecular genetic screening of  $\alpha$ -myosin heavy chain in dilated and hypertrophic cardiomyopathy. American Society of Human Genetics 2003 Meeting, Los Angeles, CA. *Am J Hum Genet* 2003; abstr.
82. Taylor MRG, Fain PR, Carniel E, Di Lenarda A, Sinagra G, Boucek MM, Ku L, Graw SL, Feiger J, Slavov D, Zhu X, Dao D, Ferguson DA, Mestroni L. Evaluation of Thymopoietin gene (TMPO) in dilated cardiomyopathy. Presented at Muscular Dystrophy Association-Cardiomyopathies and Muscular Dystrophy Workshop 2003, Tucson, AZ.
83. Ku L, Feiger J, Taylor MRG, Mestroni L. Familial Cardiomyopathy Study: A Registry for Genotyping and Phenotyping Familial Forms of Cardiomyopathy. AHA Second Asia Pacific Scientific Forum, June 2003.
84. Pinamonti B, Di Lenarda A, Gregori D, Carniel E, Vitali-Serdoz L, Aleksova A, Perkan A, Mestroni L, Sinagra G. The Incremental Prognostic Significance Of Restrictive Filling Pattern In Hypertrophic Cardiomyopathy: A Doppler Echocardiographic Study. *Circulation* 2004;Supplement;abstr.2238
85. Ku L, Taylor MRG, Dao D, Slavov D, Zhu X, Graw SL, Carniel E, Bristow MR, Towbin JA, Mestroni L. Danon Disease Explains The Phenotype In A Family Originally Reported As XLCM. *Circulation* 2004;Supplement;abstr.2572
86. Taylor MRG, Slavov D, Ku L, Di Lenarda A, Sinagra G, Carniel E, Boucek MM, Ferguson DA, Graw SL, Dao D, Zhu X, Feiger J, Lascor J, Mestroni L. Comprehensive Screening of Human Desmin (DES) Gene in Dilated Cardiomyopathy. *Circulation* 2004;Supplement:abstr.2576
87. Paneni MS, Ferrone M, Coslanich A, Fermeiglia M, Pricl S, Miertus S, Frecer V, Carniel E, Mestroni L. A talk on the motor side. The free energy for mutating V186 and F244 to Leucine in beta-myosin and its ATP binding. Proceedings of the AIChE  $\dagger$ Annual Meeting 2004 on CD-ROM, November 7-12 2004, Austin TX, USA, Session: Engineering Treatment of Diseases.
88. Taylor MRG, Slavov D, Startari U, Colombo MG, Dal Pino B, Pellegrini MP, Mestroni L, Neglia D. Association of an Endothelin Converting Enzyme Gene (ECE1) Polymorphism (T341I) With Variation in Myocardial Blood Flow in Idiopathic Dilated Cardiomyopathy. *J Am Coll Cardiol* 2005;45(Suppl):170A
89. Mestroni L, Taylor MRG, Spector EB, Slavov D. Identification of a silent mutation that perturbs LMNA gene splicing and causes dilated cardiomyopathy. AHA Scientific Sessions 2006, Chicago, Illinois.
90. Amat di San Filippo C, Taylor M.R.G., Mestroni L, Botto L, Longo N. Heterozygous mutations in the carnitine transporter gene SLC22A5 are not associated with cardiomyopathy. AHA Scientific Sessions 2007.
91. Mestroni L. Mechanisms And Genetics In Adult Cardiomyopathies: What s New? Menarini Foundation Symposia "HEART FAILURE AND CARDIOMYOPATHIES 2009 CONTROVERSIAL

- ISSUES", March 2009, Trieste, Italy
92. Merlo M, Carniel E, Slavov D, Zhu X, Ferguson D, Salcedo E, Cavanaugh J, Sinagra G, Di Lenarda A, Mestroni L, Taylor MRG. † Mutation screening of sarcomere genes MYH7, MYBPC3, LDB3, and TNNT2 in a large cohort of dilated cardiomyopathy families. † American Society of Human Genetics 2009 (Honolulu, HA)
  93. Boucek D, Jirikowic J, Wells C, Mestroni L, Taylor MRG. Natural history of the Danon disease phenotype in a large affected population. American Society of Human Genetics 2009 (Honolulu, HA)
  94. Taylor MRG, Slavov D, Zhu X, Ferguson D, Jirikowic J, Di Lenarda A, Sinagra G, Mestroni L. Barth syndrome is not a common cause of dilated cardiomyopathy in adults. American Society of Human Genetics 2009 (Honolulu, HA)
  95. Mestroni L, Merlo M, Carniel E, Slavov D, Zhu X, Ferguson D, Salcedo EE, Cavanaugh J, Di Lenarda A, Sinagra G, Taylor MRG. Mutation Screening Of Sarcomere Genes MYH7, MYBPC3, LDB3, And TNNT2 In A Large Cohort Of Dilated Cardiomyopathy Families. American College of Cardiology 59th Annual Scientific Session Atlanta March 2010.
  96. Mestroni L, Boucek D, Jirikowic J, Wells C, Taylor MRG. Natural History of the Danon Disease Phenotype in a Large Affected Population. American College of Cardiology 59th Annual Scientific Session Atlanta March 2010.
  97. Mestroni L, McNair W, Sinagra G, Di Lenarda A, Ferguson D, Salcedo EE, Slavov D, Zhu X, Caldwell J, Taylor MRG. SCN5A Mutations Associated With Dilated Cardiomyopathy Commonly Localize To The Voltagesensing Mechanism. American College of Cardiology 59th Annual Scientific Session Atlanta March 2010.
  98. Taylor MRG, Graw S, Barnes C, Slavov D, Brun F, Pinamonti B, Salcedo EE, Sauer W, Pyxaras S, Sinagra G, Granzier H, Mestroni L. Titin Mutations Cause Arrhythmogenic Right Ventricular Cardiomyopathy. AHA Scientific Sessions Chicago 2010.
  99. Herman DS, Lam L, Taylor MRG, Wang L, Bos JM, Ackerman MJ, Cook SA, Mestroni L, Seidman JG, Seidman CE. Structural mutations of the sarcomere protein titin are a common cause of dilated cardiomyopathy. ASCI / AAP Chicago 2011
  100. Steckman D, Schneider P, Schuller JL, Varosy PD, Aleong RG, Nguyen DT, Mestroni L, Sauer WH. Cardiac MRI findings can be used to Differentiate Arrhythmogenic Right Ventricular Cardiomyopathy from Cardiac Sarcoidosis. AHA Scientific Sessions Orlando 2012. 100. V. Martinelli, I. Pecorari, S. Maggiolino, R. Fior, B. Codan, L. Mestroni, O. Sbaizero Metabolic and proliferative cells activity on different substrates. Nanotech Italy 2011
  101. B. Codan, L. Mestroni, O. Sbaizero. Grafting of Pluronic F127 to pyrolytic carbon surfaces using UV radiation. NanotechItaly 2012
  102. O. Sbaizero, B. Codan, V. Martinelli, D. Slavov, C. Long, L. Mestroni, M.R.G. Taylor. Mechanical properties of cells with laminopathies: an AFM study. Nanotech Italy 2012
  103. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L. Carbon nanotubes as a synthetic substrate for in vitro physiological heart tissue engineering. Frontiers in Cardiac and Vascular Regeneration, 2012, Trieste (Italy) May 2012, page 78
  104. Steckman DA, Schneider PM, Schuller JL, Aleong RG, Nguyen DT, Sinagra G, Vitrella G, Brun F, Cova MA, Pagnan L, Mestroni L, Varosy PD, Sauer WH. Heart Rhythm Society, Boston 2012
  105. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L. Carbon nanotubes for physiological heart tissue engineering. Florence Cardiomyopathies 2012, Florence Italy 2012.
  106. Mestroni L, Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L. Carbon Nanotubes Instruct Physiological Growth and Functionally Mature Syncytia: Non-Genetic Engineering of Cardiac Myocytes. American College of Cardiology 62<sup>nd</sup> Annual Scientific Session, San Francisco, CA, March 11, 2013



107. Mestroni L, Campbell N, Sinagra G, Jones K, Slavov D, Gowan K, Merlo M, Carniel E, Fain P, Aragona P, Di Lenarda A, Taylor MRG. Whole Exome Sequencing Identifies a Troponin T Mutation Hot Spot in Familial Dilated Cardiomyopathy. American College of Cardiology 62<sup>nd</sup> Annual Scientific Session, San Francisco, CA, March 11, 2013
108. Brun F, Barnes C, Sinagra G, Slavov D, Barbati G, Zhu X, Begay R, Graw S, Pinamonti B, Salcedo E, Taylor MR, Mestroni L. Clinical Impact of Desmosomal and Titin Gene Mutations on the Natural History of Arrhythmogenic Right Ventricular Cardiomyopathy. AHA Scientific Session, Dallas November 19, 2014.
109. Spezzacatene A, Sinagra G, Merlo M, Barbati G, Slavov D, Di Lenarda A, Zhu X, Graw S, Salcedo E, Taylor MR, Mestroni L. Phenotype, Genotype and Natural History of Arrhythmogenic Dilated Cardiomyopathy. AHA Scientific Session, Dallas November 19, 2013
110. Begay R, Graw S, Slavov D, Boyer P, Knezevic T, Meyers VD, Zhu W, Tilley DG, Walinsky P, Kahlili K, Mestroni L, Taylor MR, Feldman, AM. Exome sequencing identifies BAG3 mutation in dilated cardiomyopathy. AHA Scientific Session, Dallas November 19, 2013
111. Brun F, Barnes C, Sinagra G, Slavov D, Barbati G, Zhu X, Begay R, Graw S, Pinamonti B, Salcedo E, Taylor MR, Mestroni L. Desmosomal and titin gene variants in arrhythmogenic right ventricular cardiomyopathy: genotype-phenotype correlations. ASHG 2013 Annual Meeting, Boston October 2013
112. Spezzacatene A, Sinagra G, Merlo M, Barbati G, Slavov D, Di Lenarda A, Zhu X, Graw S, Salcedo E, Taylor MR, Mestroni L. Phenotype, Genotype and Natural History of Arrhythmogenic Dilated Cardiomyopathy. ASHG 2013 Annual Meeting, Boston October 2013
113. Begay R, Graw S, Slavov D, Boyer P, Knezevic T, Meyers VD, Zhu W, Tilley DG, Walinsky P, Kahlili K, Mestroni L, Taylor MR, Feldman, AM. A Novel BAG3 Mutation in Adult-Onset Familial Dilated Cardiomyopathy. ASHG 2013 Annual Meeting, Boston October 2013
114. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L Carbon Nanotube Scaffolds Instruct Physiological Growth, Maturation and Functional Syncytia of Cardiac Myocytes. Sixth Butcher Symposium, Westin Westminster Hotel, November 1, 2013
115. Campbell N, Jones K, Weitzenkamp D, Morgan M, Slavov D, Graw S, Mestroni L, Taylor MR. RNASeq and isoform level pathway analyses reveal pathological paths to Danon disease. DOM Research Day, Aurora November 22, 2013
116. Mestroni L. Personalized medicine in dilated cardiomyopathy. International Academy of Cardiology, Vancouver 2013
117. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L Carbon Nanotube Scaffolds Instruct Physiological Growth, Maturation and Functional Syncytia of Cardiac Myocytes. NHLBI Symposium on Cardiovascular Regenerative Medicine, Bethesda September 2013
118. Martinelli V, Cellot G, Toma FM, Long CS, Caldwell JH, Zentilin L, Giacca M, Turco A, Prato M, Ballerini L, Mestroni L. CARBON NANOTUBE SCAFFOLDS FOR CARDIAC TISSUE ENGINEERING. Western Regional Meeting (WAP, WSCI, WAFMR), Carmel, January 23, 2014
119. Sbaizero O, Lanzicher T, Martinelli V, Slavov D, Delfavero G, Long CS, Mestroni L, Taylor MR. LAMINOPATHY AND THE NUCLEOSKELETON: AN ATOMIC FORCE MICROSCOPY STUDY. Western Regional Meeting (WAP, WSCI, WAFMR) Annual Meeting, Carmel, January 23, 2014
120. Spezzacatene A, Sinagra G, Merlo M, Barbati G, Slavov D, Di Lenarda A, Zhu X, Graw SL, Salcedo EE, Taylor MRG, Mestroni L. Phenotype, Genotype and Natural History of Arrhythmogenic Dilated Cardiomyopathy. ACC Scientific Sessions Washington, DC, 2014
121. Dragos AM, Dorosz J, Pinamonti B, Brun F, Mestroni L, Taylor MR, Sinagra G. Role of Velocity Vector Imaging Derived Strain Parameters in Arrhythmogenic Right Ventricular Cardiomyopathy. AHA Scientific Sessions 2014. Circulation. 2014;130:A19853
122. Begay RL, Sharp CA, Martin A, Graw SL, Sinagra G, Miani D, Slavov DB, Stafford N, Sweet ME, Brun F, Jones KL, Gowan K, Mestroni L, Garrity DM, Taylor MRG. FLNC Gene Splice Mutation

- Causes Arrhythmogenic Dilated Cardiomyopathy in Two Families. AHA Scientific Sessions 2014. Circulation. 2014;130:A11923
123. Sbaizero O, Lanzicher T, Martinelli V, Long CS, Slavov D, Del Favero G, Taylor MRG, Mestroni L. Altered Nuclear and Cytoskeletal Mechanics and Defective Cell Adhesion in Cardiac Myocytes Carrying the Cardiomyopathy LMNA D192G Mutation. AHA Scientific Sessions 2014. Circulation. 2014;130:A17200
  124. Begay RL, Martin A, Graw SL, Slavov DB, Tharp CA, Sweet M, Brun F, Jones KL, Gowan K, Miani D, Sinagra G, Mestroni L, Garrity DM, Taylor MRG. FLNC is novel gene for Dilated Cardiomyopathy in Two Families. ASHG Annual Meeting, San Diego, California, October 2014.
  125. Del Favero G, Martinelli V, Lanzicher T, Mestroni L, Sbaizero O. Evaluation of functional impairment of neonatal rat ventricular cardiomyocytes *in vitro*: an atomic force microscopy study. American College of Toxicology meeting Orlando, Florida, November 2014
  126. Pena B., Jeong M., Long C. S., Martinelli V., Bosi S., Ballerini L., Prato M., Sucharov C., Taylor M. R. G., Shandas R., Park D., Mestroni L. Injectable Reverse Thermal Gel Biopolymers May Act As an Extracellular Matrix and Cell Vehicle for Cardiac Tissue Engineering. Biophysical Society 59<sup>th</sup> annual meeting. Baltimore Maryland, February 2015.
  127. Pena B., Jeong M., Long C. S., Martinelli V., Bosi S., Ballerini L., Prato M., Sucharov C., Taylor M. R. G., Shandas R., Park D., Mestroni L. Temperature-Responsive Materials May Act As Extracellular Matrix and Cell Vehicle for Cardiac Tissue Engineering. ACC.15 64th Annual Scientific Session. San Diego California, March 2015
  128. Pena B, Jeong M, Long CS, Martinelli V, Bosi S, Ballerini L, Prato M, Sucharov C, Taylor MRG, Shandas R, Park D, Mestroni L. Temperature-Responsive Materials May Act As Extracellular Matrix and Cell Vehicle for Cardiac Tissue Engineering. University of Colorado Denver Research Day, 2015.
  129. Borne RT, Mestroni L, Nguyen DT. Wide Complex Tachycardia After Exertion: Finding the Right Cause. FIT Presentation. ACC. 15 64th Annual Scientific Session, San Diego California, March 2015
  130. Szepietowska B, Towbin JA, Marcus F, Mestroni L, Polonsky B, Zareba W. The Effect Of Genotype on the Clinical Presentation and Outcomes in Newly Diagnosed Patients With ARVC. Circulation 2015;132:A15736.
  131. Cortez D, Graw S, Mestroni L. The Spatial QRS-T Angle Predicts Ventricular Arrhythmias in Patients With Hypertrophic Cardiomyopathy. Circulation 2015;132:A19804.
  132. Begay R, Graw SL, Slavov DB, Brun F, Jones KL, Miani D, Sinagra G, Mestroni L, Taylor MRG. Novel *FLNC* Truncation Variants Found in a Large Cohort of Dilated Cardiomyopathy Cases. ASHG 2015
  133. Harris S, Mestroni L et al. The Impact of Variant Reclassification on Hypertrophic Cardiomyopathy Research. ASMG 2015
  134. Peña B, Martinelli V, Jeong M, Bosi S, Lapasin R, Taylor MR, Long SL, Shandas R, Park D, Mestroni L. Temperature-responsive cell delivery Biopolymers for Cardiac Tissue Engineering. BCVS, New Orleans 2015
  135. Mohanraj J, Del Favero G, Capria E, Corvaglia S, Casalis L, Mestroni L, Sbaizero O, Fraleoni Morgera A. Viable, wet-processed, nanofibrous scaffolds for tissue engineering applications. EMRS 2015.
  136. Cortez D, Svensson A, Carlson J, Graw S, Sharma N, Brun F, Spezzacatane A, Mestroni L, Platonov P. Novel right-sided vectorcardiographic methods detect electrocardiographic defects in patients with ARVC in the absence of conventional depolarization or repolarization abnormalities. London, ESC 2015
  137. Cortez D, Svensson A, Carlson J, Graw S, Sharma N, Brun F, Spezzacatane A, Mestroni L, Platonov P. S-wave angle detects patients with ARVC/D in the absence of conventional depolarization or repolarization abnormalities ESC, London 2015
  138. Pena B, Jeong M, Long CS, Martinelli V, Bosi S, Ballerini L, Prato M, Sucharov C, Taylor

- MRG, Shandas R, Park D, Mestroni L. A Biomimicking Reverse Thermal Gel for Cardiomyocyte Tissue Engineering. NHLBI Symposium on Cardiovascular Regenerative Medicine, Bethesda 2015
139. Mary E Sweet, Andrea Cocciolo, Dobromir Slavov, Sharon L Graw, Kenneth Jones, Luisa Mestroni and Matthew R Taylor. Transcriptome Analysis Identifies Cardiomyopathy-Specific Mechanisms in Explanted Human Hearts Circulation. 2016;134:A14981
  140. Brisa Pena, Valentina Martinelli, Susanna Bosi, Mark Jeong, Matthew R Taylor, Maurizio Prato, Carlin S Long, Maria Cavasin, Robin Shandas, Daewon Park and Luisa Mestroni . Injectable Hybrid Nanoengineered Polymer for Cardiac Tissue Engineering Circulation. 2016;134:A15218
  141. Teisha J Rowland, Sherin I Hashem, Kenneth L Jones, Eric D Adler, Daniel V LaBarbera, Luisa Mestroni and Matthew R Taylor. Characterization and High-Throughput Drug Screening of a Cardiomyopathy Using Cardiomyocytes From Patient-Derived Induced Pluripotent Stem Cells. Circulation. 2016;134:A14589
  142. R.L. Begay; T.J. Rowland; D.B. Slavov; S.L. Graw; G. Sinagra; K.L. Jones; K. Gowan; L. Mestroni; M.R.G. Taylor. Identification of FLNC variants in arrhythmogenic right ventricular cardiomyopathy. PgmNr 595. ASHG Annual Meeting, Vancouver 2016
  143. Dal Ferro, M, Stolfo, D, Merlo, M, Gigli, M, Altinier, A, Pivetta, A, Brun, F, Di Lenarda, A, Mestroni, L, Sinagra, G. Genotype-phenotype correlations: association between mutation status and left ventricular reverse remodeling in idiopathic dilated cardiomyopathy. Eur Heart J 2016;37 (Suppl 1):45.
  144. MacRae, C, Taylor, MRG, Mestroni, L, Moses, JR, Ashley, EA, Wheeler, MT, Lakdawala, NK, Hershberger, RE, Ptaszynski, M, Sandor, V, Saunders, ME, Oliver, C, Lee, PA, Judge, DP. Phase 2 study of A797, an oral, selective p38 mitogen-activated protein kinase inhibitor, in patients with lamin A/C-related dilated cardiomyopathy. Eur Heart J 2016;37 (Suppl 1):1011
  145. M. Gigli, S. Graw, G. Sinagra, T. Rowland, M. Merlo, D. Slavov, D. Stolfo, M. Sweet, M. Dal Ferro, F. Brun, A. Altinier, F. Ramani, G. Barbati, M. Taylor, L. Mestroni. A Positive Genotype Predicts Clinical Outcomes in a Large Cohort With Dilated Cardiomyopathy. AHA Scientific Sessions 2017, Anaheim November 2017. Circulation. 2017;136:A19676
  146. Lanzicher T, Garcia AM, Jiang X, Miyamoto SD, Stauffer BL, Mestroni L, Taylor MRG, Sbaizero O, Sucharov CC, Altered Cytoskeletal Mechanics in Cardiomyocytes Treated with Pediatric Heart Failure Serum. AHA Scientific Sessions 2017, Anaheim November 2017. Circulation. 2017;136:A19248
  147. Sweet ME, Cocciolo A, Slavov D, Graw SL, Jones KL, Ambardekar AV, Mestroni L, Taylor MRG. RNA-seq of human heart tissue identifies shared and divergent expression signatures of heart failure. American Society of Human Genetics 2017
  148. M. Gigli, M. Merlo, S. Graw, G. Barbati, T. Rowland, D. Slavov, D. Stolfo, M. Sweet, M. Dal Ferro, A. Altinier, F. Ramani, A. Cocciolo, I. Puggia, G. Morea, R. M. Taylor, G. Sinagra, L. Mestroni. A positive genotype and arrhythmogenic genes predict clinical outcome in a large cohort of dilated cardiomyopathy. SIC (Italian Society of Cardiology) 2017. **Best abstract award.**
  149. Sweet ME, Cocciolo A, Slavov D, Graw SL, Jones KL, Ambardekar AV, Mestroni L, Taylor MRG. RNA-seq Identifies Shared and Divergent Expression Signatures of Heart Failure in Human Heart Tissue. AHA Scientific Sessions 2017, Anaheim November 2017. Circulation. 2017;136:A18613
  150. Parikh VN, Caleshu C, Reuter C, Lazzeroni LC, Ingles J, Garcia J, McCaleb K, Adesiyun T, Sedaghat-Hamedani F, Kumar S, Graw S, Gigli M, Stolfo D, Dal Ferro M, Ing AY, Nussbaum R, Funke B, Wheeler MT, Hershberger RE, Cook S, Steinmetz LM, Lakdawala NK, Taylor MRG, Mestroni L, Merlo M, Sinagra G, Semsarian C, Meder B, Judge DP, Ashley E. Regional Variation in *RBM20* Causes a Highly Penetrant Arrhythmogenic Cardiomyopathy Circulation 2018;138, Issue Suppl\_1 Abstract 15240
  151. Gigli M, Merlo M, Graw SL, Barbati G, Rowland, TJ, Slavov DB, Stolfo D, Haywood ME, Dal Ferro M, Altinier A, Ramani F, Brun F, Cocciolo A, Puggia I, Morea G, McKenna WJ, La Rosa FG, Taylor MRG, Sinagra G, Mestroni L. Genetic Risk of Arrhythmic Phenotypes in Patients With

- Dilated Cardiomyopathy. European Society of Cardiology Congress 2019, Paris, 9/3/2019
152. Biswas M, Graham Z, Mestroni L. A Massive Prosthetic Aortic Valve Dilemma. AHA Scientific Sessions 2019.
  153. Burstein D, Mondal A, Min J, Faerber J, Rossano J, Ho C, Margossian RE, Colan SD, O'Connor M, Soslow JH, Markham LW, Disalvo T, Lever HM, Zahka KG, Wilmot I, Sublett J, Russell MW, Day S, Patel A, Murphy AM, Canter C, Bach RG, Mestroni L, Taylor M, Ashley EA, Wheeler MT, Benson L, Owens AT, Pahl E, Thrush P, Da Costa Pereira A, Bundgaard H, Axelsson A, Lin KJ. Valsartan for Attenuating Disease in Early Sarcomeric Hypertrophic Cardiomyopathy (VANISH) Investigators. Quality of Life and Exercise Performance in Low Risk Hypertrophic Cardiomyopathy: VANISH Ancillary Study. AHA Scientific Sessions 2019.
  154. Bagchi R, Mestroni L, et al., McKinsey T. Elucidation of the role of a lysine demethylase in adipose tissue- myocardium crosstalk in cardiometabolic disease. Experimental Biology 2020
  155. Bernard S, Bertrand PB, Namasivayam M, Marcus F, Mestroni L, Towbin JA, Zareba W, Picard MH, Sanborn DY. Prevalence, Determinants and Consequences of Tricuspid Regurgitation in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy: A Prospective Multicenter Registry Study. Am Society of Echocardiography 2020
  156. Travers JG, Wennersten SA, Peña B, Bagchi RA, Smith HE, Hirsch RA, Vanderlinden LA, Lin YH, Dobrinskikh E, Demos-Davies KM, Cavasin MA, Mestroni L, Steinkühler C, Lin CY, Houser SR, Woulfe KC, Lam MPY, McKinsey TA. Histone deacetylase Inhibition reverses preexisting diastolic dysfunction and blocks covert extracellular matrix remodeling. AHA Scientific Sessions 2020.
  157. Chen S, Lam CK, wan y-w, Gao S, MALAK O, Lombardi R, Ambardekar AV, Bristow MR, Gigli M, sinagra G, Graw SL, Taylor M, Wu JC and Mestroni L. Abstract 13559: Activation of PDGFRA Signaling Contributes to Filamin C-Related Arrhythmogenic Cardiomyopathy. Circulation. 2021;144:A13559-A13559.
  158. Gao S, Mumme-monheit A, Chen SN, Slavov D, Spector EB, Baralle F, Bristow M, Mestroni L and Taylor M. Abstract 12946: Identification of a LMNA Synonymous Variant Associated With Severe Dilated Cardiomyopathy. Circulation. 2021;144:A12946-A12946.
  159. Judge DP, Lakdawala NK, Taylor MR, Mestroni L, Li H, Oliver C, Angeli FS, Lee PA and Macrae C. Abstract 12210: Long-Term Efficacy and Safety of ARRY-371797 (PF-0765803) in an Open-Label Rollover Study in Patients With Dilated Cardiomyopathy Due to a Lamin A/C Gene Mutation. Circulation. 2021;144:A12210-A12210.
  160. Wang M, Liu D, Murthy V, Nguyen TT, Lim DY, Huang R, McNamara D, Skime M, Batzler A, Jenkins G, Barlera S, Pileggi S, Mestroni L, Merlo M, Pinet F, Groote Pd, Miller J, Weinshilboum R and Pereira N. ROLE AND FUNCTIONAL CHARACTERIZATION OF CUB-DOMAIN CONTAINING PROTEIN 1 (CDCP1) IN DILATED CARDIOMYOPATHY. Journal of the American College of Cardiology. 2021;77:537-537.



11/17/2022