CV date	09.03.2026

PERSONAL INFORMATION

First and Family name	**Maria Rosaria Pricolo**		
NIE	Y7058448S	Age	39
Researcher codes	WoS Researcher ID	T-9200-2019	
	SCOPUS Author ID	54792228200	
	Open Researcher and Contributor ID (ORCID)	0000-0002-6362-780X	

Current position

Name of University/Institution	**FUNDACION CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES CARLOS III**		
Department	Myocardial regeneration via cardiomyocyte cell cycle regulation		
Address and Country	Calle de Melchor Fernández Almagro, 3, 28029 Madrid		
Phone number	+34617870613/ +393347296484	E-mail	mrpricolo@cnic.es mariarosaria.pricolo@gmail.com
Current position	**Postdoc Researcher**	From	01/01/2026
Key words	Sarcomere function, cardiomyopathies, cell biology, mouse and hiPSC genetic engineering		

Education

	University	Year
PhD in Molecular Medicine and Medical Biotechnology	The University of Naples Federico II (Naples,Italy)	2019
Specialist biologist in Clinical Pathology and Biochemistry (Spanish BIR)	The University Hospital Federico II (Naples,Italy)	2019
Master in Biotechnology Applied to Assisted Reproduction	University of Campania Luigi Vanvitelli (Naples,Italy)	2013
M.Sc in Medical Biotechnology	The University of Naples Federico II (Naples,Italy)	2012

Publication metrics

- N° of publications in Scopus: 12
- Sum of times cited: 425 (Scopus), 403 (Web of Science), 493 (last 5 years in Google Scholar)
- h-index: 8 (Scopus), 8 (Web of Science), 10 (Google Scholar)

Professional Summary

I am a highly experienced research scientist with over 10 years in basic, translational, and clinical research. My background, which includes both a PhD and medical residency training, has given me the unique ability to bridge the gap between experimental data and patient outcomes. I'm skilled in integrating patient data from medical records with experimental findings and have extensive experience collaborating with diverse professional teams, including doctors and nurses.
I have a strong track record of designing, conducting, analyzing, and disseminating qualitative research that meets industry standards. I am proficient in concept elicitation, cognitive debriefing, and linguistic validation, and have experience overseeing research teams to ensure high-quality outcomes.
I am an accomplished researcher with a history of contributing to successful research proposals. My skills in grant writing are demonstrated by my collaboration on multiple successful grant applications, including an ERC grant. I also have a proven ability to lead and present projects, as demonstrated by my publications and oral presentations.
In my previous roles, I have managed and mentored students and technicians, and have collaborated with a wide range of colleagues, from postdocs to principal investigators. I am adept at managing multiple priorities to meet deadlines and am confident in my ability to contribute to the growth and leadership of the Qualitative Research Center of Excellence. My strong communication skills in business English, combined with my collaborative nature, make me a great fit for a global team. I am confident that my skills and experience make me an excellent candidate to support and advance patient-focused qualitative research initiatives.

CV Resume

In 2012, I completed my Master's in Medical Biotechnology at the University Federico II of Naples, under the supervision of Professor Maria Assunta Bevilacqua. I then obtained a Postgraduate Master's in Biotechnology Applied to Assisted Reproduction at the University of Campania Luigi Vanvitelli. In 2013, I decided to focus my career on translational research and joined the laboratory of Professor Giulia Frisso, where I became involved in the molecular diagnosis and study of the pathogenic mechanism of hereditary cardiomyopathies. That same year, I passed the selective exam as a resident biologist (BIR) for specialized health training in Clinical Pathology and Clinical Biochemistry at the University Federico II of Naples. During my time as a BIR, I continued working on the diagnosis and study of mutations associated with cardiomyopathies, including Hypertrophic Cardiomyopathy (HCM) and Dilated Cardiomyopathy (DCM). I also participated in the study of splicing alterations in unknown mutations found in patients with HCM (IntJ Mol Sci. 2016).
In 2016, I was awarded an Italian national scholarship to pursue a PhD in Molecular Medicine and Medical Biotechnology at the University Federico II of Naples, under the supervision of Professor Giulia Frisso, focusing on the pathophysiological bases of hereditary cardiomyopathies. That same year, I obtained an Erasmus Plus Traineeship grant to conduct a Cardiovascular Research Experience at the National Center for Cardiovascular Research (CNIC) in Madrid, collaborating with the Molecular Mechanics of the Cardiovascular System group, led by Jorge Alegre Cebollada. During this experience, I investigated new molecular and nanomechanical phenotypes of missense variants of cardiac myosin-binding protein C (cMyBPC) in HCM (J Biol Chem 2021; ACS Nano 2021). Additionally, I established a mammalian cell culture procedure in the laboratory to study mutations affecting splicing, and I continue to supervise projects related to cell culture to this day. In 2019, I obtained my PhD in Molecular Medicine and Medical Biotechnology, also concluding my specialized health training in Clinical Pathology and Clinical Biochemistry. In my thesis work, I investigated the pathogenic mechanism of an unknown mutation of the C4 domain of cMyBPC identified in patients with HCM (J Cardiovasc Transl Res 2020). That same year, I joined Jorge Alegre Cebollada's group as a postdoctoral scientist, where I participated in the European MINOTAUR consortium, collaborating with Simon Sedej's lab at the Medical University of Graz (Austria), where they study the relationships between cardiovascular health, aging, and metabolic stress. I also contributed to the drafting of a project for the Myoseeds call by the company MyoKardia, as well as the ProtMechanics-Live project submitted to the 2020 ERC Consolidator program, both of which were ultimately granted and focused on creating new cellular and animal models using the CRISPR/Cas9 system to study the mechanical alterations and truncated mutations of titin in cardiomyocytes cell lines. Furthermore, I supervised six students (undergraduate and master's) and three technicians and participated in teaching activities at various academic institutions. Regarding the organization of scientific events, I have been a member of the organizing committee of the 7th CNIC PhDay in Madrid, Spain, in 2021, as well as the organizing committee for various online events of the European Society for Muscle Research - Early Careers Association (ESMR-ECA). Board member of the ESMR-ECA 2023-2026.

SCIENTIFIC PRODUCTION

Publications (*co-first authors; #corresponding author)

1. **Pricolo MR**#, López-Unzu MA, Vicente N, Morales-López C, Huerta-López C, Pérez-Franco W, Dumitru AC, Espinosa FM, Sanchez MI, García-García R, Silva-Rojas R, Herrero-Galán E, Alegre-Cebollada J#. *Titin cleavage in living cardiomyocytes induces sarcomere disassembly but does not trigger cell proliferation.* **2025**.
   bioRxiv preprint doi: https://doi.org/10.1101/2025.04.22.645658
   Under review in J Biol Chem

2. López-Unzu MA*, **Pricolo MR***, Silva-Rojas R, Clemente-Manteca A, Sánchez Ortiz D, Vicente N, Velázquez-Carreras D, Morales-López C, Gavilán-Herrera M, Sen-Martín L, Fernández-Trasancos A, Labrador-Cantarero V, Sánchez-García L, Relaño Rupérez C, Sánchez-Cabo F, Lalaguna L, Isern J, Muñoz-Cánoves P, Sabio G, Lara Pezzi E, Herrero-Galán E, Alegre-Cebollada J. *Titin cleavage is a driver of cardiomyocyte disengagement and reactive myocardial fibrosis.* **2025**.
   bioRxiv preprint doi: doi: https://doi.org/10.1101/2025.04.22.645683
   Under review in PNAS

3. Silva-Rojas R, Vicente N, Gavilán-Herrera M, Labrador-Cantarero V, Sicilia J, Giménez-Sáez O, Dumitru AC, Sánchez MI, Gato-Vilaseca M, Velázquez-Carreras D, López JA, Vázquez J, Herrero-Galán E, López-Unzu MA, **Pricolo MR**, Alegre-Cebollada J. *Mechanically knocking out titin reveals protein tension loss as a trigger of muscle disease.* **2025** Nat Biomed Eng. 9, 1758–1774.

   Q1; IF: 26.6

4. Sen-Martín L*, Fernández-Trasancos A*, López-Unzu MA, Pathak D, Ferrarini A, Labrador-Cantarero V, Sánchez-Ortiz D, **Pricolo MR**, Vicente N, Velázquez-Carreras D, Sánchez-García L, Nicolás-Ávila JA, Sánchez-Díaz M, Schlossarek S, Cussó L, Desco M, Villalba-Orero M, Guzmán-Martínez G, Calvo E, Barriales-Villa R, Vázquez J, Sánchez-Cabo F, Hidalgo A, Carrier L, Spudich JA, Ruppel KM, Alegre-Cebollada J. *Broad therapeutic benefit of myosin inhibition in hypertrophic cardiomyopathy.* **2024**.
   bioRxiv preprint doi: https://doi.org/10.1101/2024.03.22.584986

Submitted in Nature Cardiovascular Research

5. Douvdevany G, Erlich I, Haimovich-Caspi L, Prondzynski M, **Pricolo MR**, Alegre-Cebollada J, Linke WA, Carrier L, Kehat I. *Imaging of existing and newly translated proteins elucidates the mechanisms of sarcomere turnover.* **2024.** Circ Res. 135(4):474-487.

Q1; IF: 16.5

6. Domínguez F, Lalaguna L, Martínez-Martín I, Piqueras-Flores J, Rasmussen TB, Zorio E, Giovinazzo G, Prados B, Ochoa JP, Bornstein B, González-López E, Velázquez-Carreras D, **Pricolo MR**, Gutiérrez-Agüera F, Bernal JA, Herrero-Galán E, Alegre-Cebollada J, Lara-Pezzi E, García-Pavía P. *Titin Missense Variants as a Cause of Familial Dilated Cardiomyopathy.* **2023.** Circulation. 147(22):1711-1713.

Q1; IF: 37.8

7. Barretta F, Uomo F, Fecarotta S, Albano L, Crisci D, Verde A, Fisco MG, Gallo G, Dottore Stagna D, **Pricolo MR**, Alagia M, Terrone G, Rossi A, Parenti G, Ruoppolo M, Mazzaccara C, Frisso G. *Contribution of Genetic Test to Early Diagnosis of Methylenetetrahydrofolate Reductase (MTHFR) Deficiency: The Experience of a Reference Center in Southern Italy*. **2023**. Genes (Basel). 14(5):980.

Q2; IF: 3.5

8. Herrero-Galán E#*, Martínez-Martín I*, Sánchez-González C, Vicente N, Bonzón-Kulichenko E, Calvo E, Suay-Corredera C, **Pricolo MR**, Fernández-Trasancos A, Velázquez-Carreras D, Badía Careaga C, Abdellatif M, Sedej S, Rainer PP, Giganti D, Pérez-Jiménez R, Vázquez J, Alegre-Cebollada J#. *Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics* **2022.** Redox Biol. 52:102306

Q1; IF: 10.7

9. Suay-Corredera C*, **Pricolo MR***, Herrero-Galán E, Velázquez-Carreras D, Sanchez-Ortiz D, Garcia-Giustiniani D, Delgado J, Galano-Frutos JJ, Garcia-Cebollada H, Vilches S, Dominguez F, Sabater Molina M, Barriales-Villa R, Frisso G, Sancho J, Serrano L, Garcia-Pavia P, Monserrat L, Alegre-Cebollada J#. *Protein haploinsufficiency drivers identify MYBPC3 variants that cause hypertrophic cardiomyopathy.* **2021.** J Biol Chem. 297(1):100854.

selected as JBC's Editors' Picks
Q2; IF: 5.1

10. Suay-Corredera C, **Pricolo MR**, Velázquez-Carreras D, Pathak D, Nandwani N, Pimenta-Lopes C, Sánchez-Ortiz D, Urrutia-Irazabal I, Vilches S, Dominguez F, Frisso G, Monserrat L, García-Pavía P, de Sancho D, Spudich JA, Ruppel KM, Herrero-Galán E, Alegre-Cebollada J#. *Nanomechanical Phenotypes in Cardiac Myosin-Binding Protein C Mutants That Cause Hypertrophic.* **2021.** ACS Nano. 15(6):10203-10216.

Q1; IF: 15.8

11. Abdellatif M, Trummer-Herbst V, Koser F, […] **Pricolo MR** (9/44), […] Alegre-Cebollada J, Kiechl S, Linke WA, Kroemer G#, Sedej S.# *Nicotinamide for the treatment of heart failure with preserved ejection fraction.* **2021.** Sci Transl Med. 10;13(580)

Q1; IF: 16.3

12. Del Fresno C, García-Arriaza J, Martínez-Cano S, Heras-Murillo I, Jarit-Cabanillas A, Amores-Iniesta J, Brandi P, Dunphy G, Suay-Corredera C, **Pricolo MR**, Vicente N, López-Perrote A, Cabezudo S, González-Corpas A, Llorca O, Alegre-Cebollada J, Garaigorta U, Gastaminza P, Esteban M, Sancho D. *The Bacterial Mucosal Immunotherapy MV130 Protects Against SARS-CoV-2 Infection and Improves COVID-19 Vaccines Immunogenicity.* **2021.** Front Immunol. 12:748103.

Q1; IF: 7.5

13. **Pricolo MR**#, Herrero-Galán E, Mazzaccara C, Losi MA, Alegre-Cebollada J#, Frisso G. *Protein Thermodynamic Destabilization in the Assessment of Pathogenicity of a Variant of Uncertain Significance in Cardiac Myosin Binding Protein C*. **2020**. J Cardiovasc Transl Res. 13 (5): 867–877

Q1; IF: 3.3

14. Frisso G*, Detta N*, Coppola P, Mazzaccara C, **Pricolo MR**, D'Onofrio A, Limongelli G, Calabrò R, Salvatore F#. *Functional Studies and In Silico Analyses to Evaluate Non Coding Variants in Inherited Cardiomyopathies*. **2016**. IntJ Mol Sci. 17 (11).

Q2; IF: 3.226

15. Iovine B, Iannella ML, Nocella F, **Pricolo MR**, Bevilacqua MA#. *Carnosine inhibits KRAS mediated HCT116 proliferation by affecting ATP and ROS production*. **2012.** Cancer Lett. 315(2): 122-8.

Q1; IF: 4.258

16. Iovine B, **Pricolo MR**, Iannella ML, Bevilacqua MA, Di Giaimo R. *DDB1 (DNA damage- binding protein 1) as a new partner of Cystatin B (CSTB)*. **2011**. The FEBS journal. Abstract P14-51 pp 272

Q1; IF: 3.790

Research projects participation

- **ERA4Health Joint Transnational Call for Proposals 2024**

Title: nanoformulated RNA therapeutics for cardiac regeneration (FONTANA)
Coordinated proposal (6 PIs, Coordinator Gianluigi Condorelli, Humanitas Research Hospital)

- **Ministry of Science and Innovation (Spain)** (2021-2024)

Proyectos de I+D+i - PGC Tipo B - Reference: PID2020-120426GB-I00
Title: Defining the crosstalk between heart pathophysiology and protein mechanics
PI: Alegre-Cebollada

- **ERC-Consolidator** (2021-2026)

Title: "Uncovering protein mechanics in physiology and disease".
PI: Alegre-Cebollada

- **Myokardia, Inc. Myoseeds grant program** (2020-2021)

Title: "Titin Allelic Discrimination to Uncover Pathophysiology Mechanisms in DCM".
PI: Alegre-Cebollada

- **Regional Government of Madrid (Spain)** (2019-2022)

Programas de Actividades de I+D - Reference P2018/NMT-4443
Title: New technologies for the study of biological nanomachines (Tec4Bio)
Coordinated proposal (6 PIs; Coordinator Fernando Moreno-Herrero, CNB)

- **Ministry of Economy and Competitiveness (Spain)** (2018-2020)

Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia
Reference BIO2017-83640-P
Title: Emergent mechanical properties of proteins in the myocardium and in biomaterials with biotechnological applications
PI: Alegre-Cebollada

- **ERA-CVD – H2020** (2017-2019)

Joint Transnational Call 2016 - Reference: AC16/00045
Title: Metabolic Therapy for Managing Diastolic Heart Failure (MINOTAUR)
Coordinated proposal (5 PIs, Coordinator: Simon Sedej, U. of Graz)

Grants and Travel Fellowships

- **Paul Dudley White International Scholar for an abstract submitted to the Basic Cardiovascular Sciences Scientific Sessions** 2024.

- **Educational Grant ESC Congress** 2019

Funds: 850 EUR and free congress registration

- **PhD Travel Fellowship** 2017-2018

12 months stay at the Jorge Alegre lab (CNIC, from University of Naples)
Topic: Thermal and mechanical stability of cardiac proteins and their mutants. **Funds: 7,458 EUR**

- **SBE Bursary (Modality B Grant)**

6th International Iberian biophysics congress 2018
Funds: 350 EUR

- **Erasmus+ Traineeship Fellowship** 2016-2017

6 months stay at the Jorge Alegre lab (CNIC, from University of Naples)
Topic: Molecular biology and cloning procedure to produce AFM-ready polyproteins and optimization of minigene assays.
Funds: 3,409 EUR

Seminars and Congresses (last 5 years)

Oral presentations

51st European Muscle Conference
Ljubljana, Slovenia, 25 September 2024
Title: Titin cleavage disrupts sarcomere-adhesion tensional homeostasis triggering fast myocardial fibrosis

AHA Congress - Basic Cardiovascular Sciences Scientific Sessions 2024 (BCVS24)
Chicago, Illinois (USA), 23 July 2024

Title: Titin cleavage disrupts sarcomere-adhesion tensional homeostasis triggering cardiomyocytes arrhythmia in vitro

11th International Ascona Workshop on Cardiomyocyte Biology
Ascona, Switzerland, 28 May 2024
Title: Titin mechanical unloading disrupts sarcomere tensional homeostasis triggering lack of cell adhesion and fast myocardial fibrosis

XVII International Congress of the Spanish Biophysical Society (SBE2023).
Casteldefels, Spain, 28 June 2023
Title: How mechanical stimuli regulate cardiomyocyte biology

Cardiovascular Regeneration Seminar (CVR)
Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), 10 March 2023
Title: Passive stiffness reduction following titin cleavage affect cardiomyocytes function

Myocardial homeostasis & cardiac injury Program
Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), 02 March 2023
Title: Passive stiffness reduction following titin cleavage affect cardiomyocytes function

XI Reunión del Capítulo Español de la Sociedad Europea de Biomecánica (ESB)
Zaragoza, Spain, 24 October 2022
Title: Mechanical modulation of titin in living cardiomyocytes induces sarcomere disarray and altering cells beating

Myocardial homeostasis & cardiac injury Program
Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), 7 July 2022
Title: Mechanical Modulation of titin in living cardiomyocytes

Cardiovascular Regeneration Seminar (CVR)
Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), 29 April 2022
Title: Mechanical Modulation of titin in living cardiomyocytes

I Myocardial Program
Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), 21 October 2021
Title: Protein allelic discrimination to track titin expression in dilated cardiomyopathy

IV Tec4Bio Annual Meeting
Virtual meeting 19 October 2021
Title: Engineering mechanical loss-of-function (mLOF) in living myocytes.

Mechanobiology Seminars
Centre for Biomedical Technology Universidad Politécnica de Madrid, 21 October 2020,
Title: Engineering tools to probe titin mechanics in living cells and animals

ESC CONGRESS 2019- ePoster presentation
Paris, France 03 September 2019
Title: Thermodynamic phenotypes guide the pathogenicity assessment of a variant of uncertain significance in cardiac myosin binding protein C

Congresses Poster presentation (last 5 years):

The 50th European Muscle Conference
Florence, Italy. 01-06 September 2023
MR Pricolo, N Vicente, W Pérez-Franco, AC Dumitru, FM Espinosa, M Oria-Muriel, MA López-Unzu, R Silva-Rojas, R García-García, J Alegre-Cebollada.
Titin cleavage in living cardiomyocytes induces sarcomere disassembly but does not induce proliferation.

CNIC Conference on Cardiac Regeneration: from Mechanisms to Therapies
Madrid, Spain. 10-12 November 2022
MR Pricolo, N Vicente, W Pérez-Franco, AC Dumitru, FM Espinosa, M Oria-Muriel, MA López-Unzu, R Silva-Rojas, R García-García, J Alegre-Cebollada.
Mechanical modulation of titin in living cardiomyocytes

The 44rd Congress of the Spanish Biochemical and Molecular Biology Society (SEBBM).
Malaga, Spain. 6-9 September 2022
MR Pricolo, N Vicente, M Oria-Muriel, MA López-Unzu, R Silva-Rojas, J Alegre-Cebollada.
Mechanical modulation of titin in living cardiomyocytes

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
MR Pricolo, N Vicente, M Oria-Muriel, MA López-Unzu, R Silva-Rojas, J Alegre-Cebollada.

Mechanical modulation of titin in living cardiomyocytes

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
MR Pricolo, N Vicente, R Silva-Rojas, J Alegre-Cebollada, and MA López-Unzu.
Unraveling the implication of defective titin mechanosensing in cardiac function

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
N Vicente Martínez de Castilla, I Ramírez Pardo, MA López-Unzu López, MR Pricolo, P Muñoz Cánoves, J Alegre-Cebollada and R Silva-Rojas.
Examining titin mechanosensing and mechanical role in skeletal muscle

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
AC Dumitru, E Calvo, D Velázquez-Carreras, I Martínez- Martín, L Zafra-Muñiz, MR Pricolo, FM Espinosa, R Garcia, J Vázquez, M Adrover, J Alegre-Cebollada and A Bak
Intramolecular crosslinks in titin advanced glycation end products stiffen the diabetic cardiomyocyte

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
Á Fernández-Trasancos, M López-Unzu, D Sánchez-Ortiz, MR Pricolo, N Vicente, JA Nicolás-Ávila, M Sánchez-Díaz, L Cussó, G Guzmán-Martínez, E Calvo, J Vázquez, A Hidalgo, J Alegre-Cebollada and L Sen-Martín.
The R502W mutation in murine cardiac myosin-binding protein C leads to pathogenic myocardial remodeling in the absence of protein haploinsufficiency

The 8th International Iberian Biophysics Congress.
Bilbao, Spain. 20-21 June 2022
E Herrero-Galan, C Sanchez-Gonzalez, N Vicente, E Bonzon-Kulichenko, E Calvo, C Suay-Corredera, MR Pricolo, A Fernandez-Trasancos, D Velazquez-Carrerasa, C Badia Careaga, M Abdellatif, S Sedej, PP Rainer, D Giganti, R Perez-Jimenez, J Vazquez, J Alegre-Cebollada, I Martinez-Martin.
Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics

The 5th Scientific Meeting of the Tec4Bio consortium (S2018/NMT-4443).
National Centre of Biotechnology, Madrid, Spain. 5 May 2022
MR Pricolo, N Vicente, M Oria-Muriel, AC Dumitru, FM Espinosa, R García-García, J Alegre-Cebollada
Engineering tools to probe molecular mechanics in living cardiomyocytes

The 43rd Congress of the Spanish Biochemical and Molecular Biology Society (SEBBM).
Barcelona, Spain Virtual Meeting 19-22 July 2021
MR Pricolo, M Oria-Muriel, N Vicente, A Fernández-Trasancos, C Huerta-Lopez, D Velázquez-Carreras, E Herrero-Galán, J Alegre-Cebollada
Engineering tools to probe titin mechanics in living cells and animals

EMBO Workshop: Cardiomyocyte Biology.
Ascona, Virtual Meeting 30 May-02 June 2021
Sen L, Fernández A, Ortiz D, Pricolo MR, Cussó L, Guzmán-Martínez G, Alegre-Cebollada
The R502W mutation in murine cardiac myosin-binding protein C leads to pathogenic myocardial remodeling in the absence of protein haploinsufficiency

12th EBSA, 10th ICBP-IUPAP Biophysics Congress.
Madrid, Spain 20-24 July 2019
MR Pricolo, C Suay-Corredera, E Herrero-Galán, D Velázquez-Carreras, D Sánchez-Ortiz, I Urrutia-Irazabal, D García-Giustiniani, J Delgado, S Vilches, F Dominguez, R Barriales-Villa, G Frisso, L Serrano, P García-Pavía, L Monserrat, J Alegre-Cebollada
Splicing alterations and thermodynamic instability: protein haploinsufficiency drivers to define pathogenicity of missense mutations in cardiac myosin binding protein C

The 42nd Congress of the Spanish Biochemical and Molecular Biology Society (SEBBM).
Madrid, Spain 16-19 July 2019
MR Pricolo, C Suay-Corredera, E Herrero-Galán, D Velázquez-Carreras, D Sánchez-Ortiz, I Urrutia-Irazabal, D García-Giustiniani, J Delgado, S Vilches, F Dominguez, R Barriales-Villa, G Frisso, L Serrano, P García-Pavía, L Monserrat, J Alegre-Cebollada
Splicing alterations and thermodynamic instability: protein haploinsufficiency drivers to define pathogenicity of missense mutations in cardiac myosin binding protein C

ERA-Net on Cardiovascular Diseases (ERA-CVD).
Riga, Latvia, 14-16 May 2019

MR Pricolo, M Abdellatif, E Herrero-Galán, N Vicente, V Herbst, A Lourenço, A Leite-Moreira, G Kroemer, W A. Linke, S Sedej, JAlegre-Cebollada
Therapeutic effect of the caloric restriction mimetic spermidine on diastolic heart failure: the contribution of titin oxidative posttranslational modifications

Joint Meeting of the ESC Working Groups on Myocardial Function & Cellular Biology of the Heart.
Naples, Italy, 9-11 May 2019
MR Pricolo, C Suay-Corredera, E Herrero-Galán, D Velázquez- Carreras, D Sánchez-Ortiz, I Urrutia-Irazabal, D García-Giustiniani, J Delgado, S Vilches, F Dominguez, R Barriales-Villa, G Frisso, L Serrano, P García-Pavía, LMonserrat, J Alegre-Cebollada
Splicing alterations and thermodynamic instability: protein haploinsufficiency drivers to define pathogenicity of missense mutations in cardiac myosin binding protein C

6th International Iberian Biophysics Congress and X Iberoamerican Congress of Biophysics (SBE).
Castellón, Spain, 20-22 June 2018
MR Pricolo, C Suay Corredera, D Velázquez-Carreras, E Herrero-Galán, G Frisso, J Alegre-Cebollada
Thermodynamic impact of the I603M mutation in cardiac Myosin Binding Protein C: a potential role in the development of hypertrophic cardiomyopathy

7th Multifrequency AFM Conference.
Madrid, Spain, 18-20 April 2018
C Suay-Corredera, E Herrero-Galán, D Velázquez-Carreras, MR Pricolo, N Vicente, I Urrutia-Irazabal, D García-Giustiniani, J Delgado, G Frisso, L Serrano, P García-Pavía, L Monserrat, J Alegre-Cebollada
Nanomechanical phenotypes in Hypertrophic Cardiomyopathy

Other Achievement

Teaching

- Teaching Assistant in the laboratory practices of Biochemistry for Chemistry Bachelor degree (Universidad Autónoma de Madrid), 24hours during 2021/2022 course

- Co-supervision of 5 undergraduate/master students and 2 technicians
  - Antonio Nolano (Master Student)
  - Roberta Cataldo (Bachelor student)
  - Martina Messere (Master student)
  - Germira Di Gioia (Master student)
  - Antonietta Falciano (Master student)
  - Manuel Oria Muriel (graduated technician)
  - Natalia Vicente (technician)

- Direction of Summer Practices Students (CICERONE Program)
  - Pérez Franco Wendy Summer 2022

Organization of scientific events

- **7th CNIC PhDay (Madrid, Spain) 2021**
  Organizing Committee
- **2nd ESMR-ECA online event. Topic: organ donation for science 2023**
  Organizing Committee

Scientific Committees

- Member of scientific committee of **European Society for Muscle Research (ESMR) Early Careers Association (ECA)** (https://esmr.org/early-careers.html)

Memberships of scientific societies

- Sociedad Española de Bioquímica y Biología Molecular (SEBBM)
- European Society of Cardiology (ESC) Professional Member
- ESC Working Group on Cellular Biology of the Heart Membership
- ESC Working Group on Myocardial Function Membership

- Spanish Biophysical Society (SBE)

Papers review

Ad hoc reviewer for

- Scientific Reports
- Biophysical Journal
- Bioengineered
- Journal of Visualized Experiments

Animal Research accreditations (Charles Rivers course)

- **Categories A and B** (ECC 566/2015) - corresponding to categories C and D for European directive 63/2010/EU
- **Category C** (ECC 566/2015) - corresponding to categories A for European directive 63/2010/EU
- **Category D** (ECC 566/2015) - corresponding to categories B for European directive 63/2010/EU