

Rebecca Artioli

PhD candidate in Molecular Biomedicine specializing in stem cell-based modeling of inherited cardiomyopathies, with a focus on translational applications of iPSC-derived cardiac tissues.

Work history

Fellowship

IRCCS Burlo Garofalo, Trieste

April 2022

November 2022

Project on maternal cardiovascular dysfunction after hypertensive disorders of pregnancy (collaboration with ICGEB).

Fellowship

ICGEB Molecular Medicine Lab, Trieste

June 2021

March 2022

Investigating transcriptional pathways in cardiomyocyte replication ex vivo and in vivo.

Master's Internship

ICGEB Molecular Medicine Lab, Trieste

January 2020

May 2021

Molecular tools to detect activation of signaling pathways driving cardiomyocyte proliferation (Master Thesis).

Bachelor's Internship

Analytic Biochemistry Lab, Verona

March 2017

June 2017

Site-specific mutation of Cystathionine Gamma Lyase of *Toxoplasma gondii*.
Skills: Protein purification, HPLC, spectroscopy.

Education

PhD in Molecular Biomedicine

University of Trieste, Trieste

November 2022

- Exchange PhD Student, Maastricht University – Maastricht UMC+ (01/2025-06/2025). Acquired advanced techniques in 3D tissue engineering, with a focus on engineered heart tissues (EHTs) generated from titin-truncated cardiomyocytes.

- Exchange PhD Student, Eurac Research, Bolzano (03/2023-05/2023). Gained hands-on experience in culturing induced pluripotent stem cells (iPSCs) and iPSC-derived cardiomyocytes (iPSC-CMs).

Master's Degree in Medical Biotechnology

University of Trieste, Trieste

October 2018

May 2021

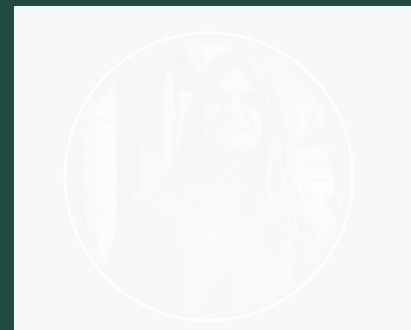
- Exchange, IMC University of Applied Sciences Krems (09/2019 — 12/2019)

Bachelor's Degree in Biotechnology

University of Verona, Verona

October 2014

March 2018



+39 3925855392

rebecca.artioli@gmail.com

Skills

Analytical Thinking

Problem Solving

Interpersonal Communication

Molecular and Cellular Biology
Techniques

Data Analysis

Languages

Italian (Native)

English (Fluent)

Finnish (Intermediate)

IT skills

GraphPad Prism

R (base)

ImageJ

MS Office Suite (Word, Excel,
PowerPoint)

Conferences and Presentations

Poster at ISHR World Congress, Berlin

June 2022

"Molecular tools to detect the activation of key signalling pathways driving cardiomyocyte proliferation"

Published in Journal of Molecular and Cellular Cardiology, 31/12/2022

DOI: 10.1016/j.yjmcc.2022.08.188

Oral Presentation at Frontiers in CardioVascular Biomedicine Congress, Amsterdam

April 2024

"Dissecting signaling transduction pathways driving cardiomyocyte proliferation"

Oral presentation at EMBEC Congress, Portorož

June 2024

"Modeling Dilated Cardiomyopathy through Induced Pluripotent Stem Cell-Derived Cardiomyocytes"

Oral presentation at SIC Congress, Rome

December 2024

"Modeling Dilated Cardiomyopathy through Induced Pluripotent Stem Cell-Derived Cardiomyocytes"

Publications

Angriman, F., Bortolotti, F., Perotto, M., Artioli, R., Radesich, C., Paldino, A., Collesi, C., Zacchigna, S., Sinagra, G., & Dal Ferro, M. (2025). Titin Cardiomyopathy, Emerging Evidence: More Than A Big Heart. *Current Cardiology Reports*, 27, 170. <https://doi.org/10.1007/s11886-025-02309-5>

Thairi C, Artioli R, Paulis M, Galli C, Cotič S, Paldino A, Marino I, Sinagra G, Collesi C, Dal Ferro M, Di Pasquale E. Generation of iPSC lines (ICHi001-A, IChi002-A, IChi003-A, IChi004-A) from four patients carrying Titin truncating variants associated with dilated cardiomyopathy. *Stem Cell Res.* 2025 Aug;86:103719. doi: 10.1016/j.scr.2025.103719. Epub 2025 Apr 20. PMID: 40286602.

Bassetto G, Merlo M, Dal Ferro M, Setti M, Paldino A, Collesi C, Artioli R, Loffredo F, D'Elia S, Golino P, Fabris E, Bussani R, Metra M, Limongelli G, Sinagra G. Apoptosis, a useful marker in the management of hot-phase cardiomyopathy? *Eur J Heart Fail.* 2024 Mar;26(3):590-597. doi: 10.1002/ehf.3173.

Artioli R, Rahhali K, Zentilin L, Collesi C, Giacca M. Molecular tools to detect the activation of key signalling pathways driving cardiomyocyte proliferation. *Journal of Molecular and Cellular Cardiology.* Volume 173, Supplement, 2022, Pages S93-S94. <https://doi.org/10.1016/j.yjmcc.2022.08.188>

Teaching & Tutoring Activities

Lecture

May 2023

"iPSC as powerful models for translational medicine" Course of Molecular Biology, SSM18 Genetica Medica

Tutor

September 2023

Microbiology with Lab (STB), 50 hours



Documento firmato conservato agli atti