



Sara Rega

Date of birth: 27/03/1996 **Place of birth:** Milan, Italy **Gender:** Female **Phone number:** (+39) 0258002754

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Work: Via Carlo Parea, 4, 20138 Milan (Italy)

WORK EXPERIENCE

University of Pavia - Centro Cardiologico Monzino IRCCS – Milan, Italy

PhD student

[10/2024 – Current]

PhD student in biomedical sciences (University of Pavia) based at the affiliated hospital Centro Cardiologico Monzino, unit of Cardio-Oncology and Vascular Biology. **Project:** "Study of molecular mechanisms underpinning the thoracic aortic aneurysm formation by an integrative multi-omics approach."

Centro Cardiologico Monzino IRCCS – Milan, Italy

Research fellow

[01/06/2022 – 10/2024]

Location: Centro Cardiologico Monzino IRCCS - Unit of Vascular Biology and Regenerative Medicine; **Position:** research fellow

Centro Cardiologico Monzino IRCCS – Milan, Italy

Training internship (MSc thesis)

[04/2021 – 04/2022]

Location: Centro Cardiologico Monzino IRCCS - Unit of Vascular Biology and Regenerative Medicine; **Position:** Training internship (master's thesis); **Tutor:** Dr. Gianluca Lorenzo Perrucci

University of Milan – Milan, Italy

Training internship (BS thesis)

[06/2019 – 12/2019]

Location: Department of Biosciences – PaceLab (Prof. di Francesco); **Position:** Training internship (bachelor's thesis); **Tutor:** Prof. Annalisa Bucchi

PUBLICATIONS

[2026]

Cilengitide limits syndromic and sporadic thoracic aortic aneurysm by targeting specific α V integrin

Rega, S., et al., Cilengitide limits syndromic and sporadic thoracic aortic aneurysm by targeting specific α V integrin. Journal of Experimental Medicine, 2026.

[2026]

An Automated Modular Platform for Vascular Graft Assessment via Coronary-like Flow-Induced Stimulation

Pederzani, E., et al., "An Automated Modular Platform for Vascular Graft Assessment via Coronary-like Flow-Induced Stimulation". Bioengineering 2026, 13, 221. <https://doi.org/10.3390/bioengineering13020221>

[2025]

Transcription regulation by TBX18 in smooth muscle cells is essential for normal aortic development and homeostasis

Mukherjee, D., et al., Transcription regulation by TBX18 in smooth muscle cells is essential for normal aortic development and homeostasis. Cardiovasc Res, 2025. 121(15): p. 2419–2431

[2024]

Exploiting the anti-fibrotic effect of statins on thoracic aortic aneurysm progression: results from a meta-analysis and experimental data

Myasoedova, V.*; Rega, S.*, et al., "Exploiting the anti-fibrotic effect of statins on thoracic aortic aneurysm progression: results from a meta-analysis and experimental data". Front Pharmacol. 2024; doi: 10.3389/fphar.2024.1426982

[2023]

Multi-omics in thoracic aortic aneurysm: the complex road to the simplification

Rega, S., et al., "Multi-omics in thoracic aortic aneurysm: the complex road to the simplification". Cell Biosci, 2023. 13(1): p. 131; doi: 10.1186/s13578-023-01080-w.

EDUCATION AND TRAINING

Master's degree in Biology Applied to Biomedical Research

University of Milan [21/04/2022]

City: Milan | Country: Italy

Bachelor's degree in Biotechnology

University of Milan [19/12/2019]

City: Milan | Country: Italy

NETWORKS AND MEMBERSHIPS

[01/03/2026 – Current] Europe
European Vascular Biology Organization

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000. Il presente curriculum non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196



Milan, Italy, 19/02/2026

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