# **Special Issue**

# Therapeutic Applications and Biology of Extracellular Vesicles

# Message from the Guest Editors

Extracellular vesicles (EVs) have emerged as key players in complex multicellular organism communication networks. These nano-sized particles, lipid-enveloped structures, secreted by virtually all cell types, transport many bioactive molecules, such as nucleic acids, proteins, and lipids, reflecting the cargo of their parental cells. EVs have been involved in a wide range of biological processes, from immune modulation to angiogenesis and tumorigenesis, prompting innovative strategies to harness their potential as diagnostic biomarkers and therapeutic delivery systems. This Special Issue delves into the biology of EVs and their potential therapeutic applications, presenting cuttingedge research that underlines their great potential in medicine. By examining these aspects, we aim to inspire and explore novel strategies to harness EVs both as a potential diagnostic tool and as an innovative method for therapeutic applications.

## **Guest Editors**

Dr. Paola Lanuti

Prof. Dr. Francesco Cappello

Dr. Celeste Caruso Bavisotto

## Deadline for manuscript submissions

20 May 2026



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# Message from the Editor-in-Chief

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# **Editor-in-Chief**

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