

## Special Issue

# Lactoferrin, the Moonlighting Protein of Innate Immunity

### Message from the Guest Editors

Lactoferrin (Lf) is currently recognised as a potent multi-targeting nutraceutical, endowed with immunomodulatory, anti-inflammatory, anti-oxidant and anti-cancer properties. At mechanistic level, some of the functions exerted by Lf have been related to both its iron-binding ability and its highly cationic charge. However, most of its biological effects still need to be fully appreciated. Moreover, Lf is emerging as a powerful carrier for the delivery of biologically active nanoparticles. This Special Issue is focused on investigating new structural and functional properties of Lf from different species, including bovine Lf, which has mostly been applied in *in vitro*, *in vivo* and clinical studies. Areas to be covered may include but are not limited to the relation between molecular structure and function, interaction with other proteins, regulation of intracellular pathways, development of new technologies aimed to improve its bioavailability, applications as scaffold for nanoparticle delivery. Original papers and review articles on these and related topics are welcome.

### Guest Editors

Dr. Maria Carmela Bonaccorsi Di Patti

Dr. Antimo Cutone

Prof. Dr. Giovanni Musci

### Deadline for manuscript submissions

closed (30 April 2023)



## International Journal of Molecular Sciences

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CiteScore 8.1  
Indexed in PubMed



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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