

Special Issue

Serum Amyloid A: Established Roles and Emerging Questions in Health and Disease

Message from the Guest Editor

Serum Amyloid A (SAA) is an acute-phase protein that increases more than 1000-fold in circulation during acute inflammation. Despite being identified over 50 years ago, its physiological functions remain unclear. While undetectable in healthy individuals, SAA levels rise modestly and persist in chronic inflammatory diseases until the condition resolves. The transient elevation of SAA in acute inflammation is a physiological defense mechanism, whereas its persistent elevation in chronic conditions represents dysregulation and may be harmful. However, significant controversies persist in SAA research. Many in vitro findings have not been reproducible in vivo, raising concerns about their physiological relevance. Additionally, as SAA circulates primarily bound to high-density lipoprotein (HDL), which masks many of its properties, it remains unclear how SAA exerts its effects in vivo. Given these uncertainties, it is crucial to consolidate existing evidence and establish validated insights into SAA's functions.

Guest Editor

Dr. Preetha Shridas

Department of Internal Medicine, University of Kentucky, Lexington, KY 40536, USA

Deadline for manuscript submissions

30 September 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/237192

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)