

## Special Issue

# Advanced Research in Acute Myeloid Leukemia

### Message from the Guest Editors

Advanced Research in acute myeloid leukemia (AML) genomics are revealing the broad biological heterogeneity of the disease, leading to new risk stratification models and targeted therapies for the more personalized monitoring and management of patients with AML. However, despite this progress, approximately 85% of AML patients will relapse within two to three years. In this Special Issue we are particularly interested in original papers and review articles that advance our biological understanding of acute myeloid leukemia, including papers that:

- Investigate how the bone marrow microenvironment and clonal dynamics of the leukemic stem cell (LSC) population influence AML development and relapse;
- Elucidate the impact of clonal hematopoiesis in AML development and response to therapies;
- Elucidate new molecular mechanisms with a role in AML or present novel biomarkers with prognostic value or clinical application in the near future.

---

### Guest Editors

#### Dr. María Teresa Gómez-Casares

1. Hematology Department, Hospital Universitario de Gran Canaria Dr. Negrín, Las Palmas de Gran Canaria, 35019, Spain

2. Medical Science Department, Universidad de Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, 35016, Spain

#### Dr. Ruth Stuckey

Hematology Department, Hospital Universitario de Gran Canaria Dr. Negrín, 35019 Las Palmas, Spain

---

### Deadline for manuscript submissions

closed (30 June 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/102514](https://mdpi.com/si/102514)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)* 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, and molecular biophysics. *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. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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, CAPus / SciFinder, and other databases.

#### Journal Rank:

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