



Current Mechanistic Understandings of Lymphedema and Lipedema

Guest Editors:

Dr. Joseph M. Rutkowski

Department of Medical
Physiology, Texas A&M University
College of Medicine, Bryan, TX
77807, USA

Dr. Rachelle Crescenzi

Department of Radiology and
Radiological Sciences, Vanderbilt
University Institute of Imaging
Sciences, Vanderbilt University
Medical Center, Nashville, TN,
USA

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

While the external presentation of lymphedema and lipedema may appear similar, the diagnosis and molecular mechanisms underlying these conditions are quite varied. Lymphedema results from a genetic or acquired lymphatic deficiency, causing fluid accumulation, inflammation, and adipose tissue expansion. The pathological adipose expansion in lipedema, however, arises from an etiology that is yet to be well defined but potentially includes blood microvascular and lymphatic insufficiency, altered extracellular matrix composition, and dysfunctional adipose biology. It will be important to define how these traditionally understudied diseases are similar and yet distinct in order to meet their unique needs in terms of diagnostics and treatment options.

This Special Issue will publish original articles as well as full reviews that cover the current understanding and molecular and physiological mechanisms that are shared between, and importantly, unique to either lymphedema and lipedema. Manuscripts need not cover both pathologies, but rather should present novel findings about early diagnostics and molecular mechanisms defining what we know and the key remaining questions.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI