

Special Issue

Reconstruction of Bone Defects

Message from the Guest Editors

Bone defects still represent a major challenge for orthopedic and trauma surgeons. They are serious complications that are most commonly caused by trauma, tumor, infection, and failed arthroplasty or congenital musculoskeletal disorders.

This Special Issue aims to detail the latest progress and research in treating bone defects, touching on biomechanics, implants, biomaterials, and clinical outcomes. We welcome submissions of original research and comprehensive review perspectives, including, but not limited to, the following fields:

- Bone and fracture biomechanics;
- Bone healing;
- Critical size bone defects;
- Fracture non-union;
- Inflammation;
- Joint arthroplasty and fracture osteosynthesis;
- Implant designs;
- Materials proprieties;
- Patient selection;
- Primary and revision settings.

Guest Editors

Dr. Jörg Eschweiler

1. Department of Trauma and Reconstructive Surgery, BG Hospital Bergmannstrost, Merseburgerstr. 165, 06112 Halle, Germany
2. Department of Trauma and Reconstructive Surgery, University Hospital Halle, Ernst-Grube-Str. 40, 06120 Halle, Germany

Prof. Dr. Philipp Kobbe

1. Department of Trauma and Reconstructive Surgery, BG Hospital Bergmannstrost, Merseburgerstr. 165, 06112 Halle, Germany
2. Department of Trauma and Reconstructive Surgery, University Hospital Halle, Ernst-Grube-Str. 40, 06120 Halle, Germany

Deadline for manuscript submissions

1 November 2025



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/209993

Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

mdpi.com/journal/

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





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, 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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)