

## Special Issue

# Advances in Skeletal Muscle Tissue Engineering

### Message from the Guest Editor

This Special Issue on the “*Advances in Skeletal Muscle Tissue Engineering*” will therefore focus on original research papers and comprehensive reviews, dealing with cutting-edge experimental and computational methodologies for engineering skeletal muscle tissues. Topics of interest for this Special Issue include, but are not limited to, the following:

- Engineered human skeletal muscle grafts as experimental models for testing pharmacologic agents and gene delivery.
- Interactions between myogenic and non-myogenic cells towards promoting functional myogenic regeneration.
- The neuromuscular junction: regenerating innervated skeletal muscle.
- Advanced computational methods to predict treatment outcomes following *in vivo* implantation of engineering grafts.
- Exosomes and extracellular vesicles in promoting myogenesis.
- Elucidating the molecular basis of biophysical cues during regenerative rehabilitation.
- Advanced image-based techniques to probe the fate of transplanted cells.

---

### Guest Editor

Dr. Warren L. Grayson

Grayson Lab for Craniofacial and Orthopaedic Tissue Engineering, Department of Biomedical Engineering, Johns Hopkins University School of Medicine, Baltimore, MD 21205, USA

---

### Deadline for manuscript submissions

closed (30 June 2020)



## Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



[mdpi.com/si/38777](https://mdpi.com/si/38777)

*Bioengineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)

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





## Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Biomedical)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).