

## Special Issue

# Advances in the Angiogenic Field

### Message from the Guest Editors

Blood vessels are a prerequisite for normal development, tissue growth, and repair as they provide nutrients, remove waste products, and transport cells to distant sites. Blood vessels arise through two processes: vasculogenesis and angiogenesis. Due to its crucial role in physiological and pathological conditions, angiogenesis has been extensively studied and is now recognized as a promising therapeutic target in various pathological settings. Furthermore, blood vessels are essential in developing engineered tissues for regenerative medicine. Despite their quiescent state, ECs retain their angiogenesis competency since they can respond to an angiogenic stimulus imbalance. Excessive or insufficient neovascularization is characteristic of several pathologies. Consequently, a fine regulation of angiogenesis is necessary for human physiology to maintain homeostasis. Recently technological advancements have allowed a deep understanding of the mechanisms supporting angiogenic events, EC crosstalk with the microenvironment, and identifying new therapeutic targets.

---

### Guest Editors

Prof. Dr. Stefania Mitola

Dr. Michela Corsini

Dr. Cosetta Ravelli

---

### Deadline for manuscript submissions

closed (31 May 2022)



## International Journal of Translational Medicine

---

an Open Access Journal  
by MDPI

---



[mdpi.com/si/74269](https://mdpi.com/si/74269)

*International Journal of  
Translational Medicine*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijtm@mdpi.com](mailto:ijtm@mdpi.com)

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

[ijtm](https://ijtm.mdpi.com)





# International Journal of Translational Medicine

---

an Open Access Journal  
by MDPI

---



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Pier Paolo Claudio

Department of Pharmacology and Toxicology, Cancer Center and  
Research Institute, University of Mississippi Medical Center, Jackson,  
MS 39216, USA

---

#### Author Benefits

##### Open Access:

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

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 24 days after  
submission; acceptance to publication is undertaken in 3.4  
days (median values for papers published in this journal in  
the first half of 2024).

##### Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and  
reviewer names published annually in the journal.