

# Special Issue

## Current Methodology Advances in Cell Therapy Applications

### Message from the Guest Editors

Cell Therapy per definition uses cellular material that is injected or transplanted into a patient with the aim of treating a disease. Cell Therapy approaches are naturally diverse. Approaches can use autologous (i.e., patient self-derived) material or allogeneic cells (derived from either genetically matched donors or from engineered stem cells). One prominent and well-studied example of Cell Therapy applications are autologous CAR T therapies, where patient T cells are genetically engineered to express specific tumor-targeting chimeric antigen receptors. CAR T therapies have proven to be an efficient treatment for a variety of hematologic cancers. Alternatively, stem cell-derived allogeneic therapies use genetically engineered human stem cells or human-induced pluripotent stem cells that will later be differentiated into the desired effector cells, ensuring a much wider target range. The particular topics of interest include, but are not limited to:

- cell therapy
- autologous
- allogeneic
- stem cell-based therapies
- T cell engineering
- immuno-oncology
- tissue repair

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### Guest Editors

Dr. Kejin Hu  
Dr. Lucia Monaco  
Dr. Philip Hublitz

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### Deadline for manuscript submissions

31 December 2025



## Methods and Protocols

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Impact Factor 2.0  
CiteScore 3.9  
Indexed in PubMed



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

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### Message from the Editor-in-Chief

*Methods and Protocols* (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

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### Editor-in-Chief

Prof. Dr. Fernando Albericio  
School of Chemistry and Physics, University of KwaZulu-Natal, Durban,  
South Africa

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