

Special Issue on
**Stem Cells and Biomaterials for Personalized
Regenerative Medicine**

CALL FOR PAPERS

Personalized regenerative medical therapies propose patient-oriented solutions that consider individual needs. We can define this new biomedical section as the tailoring of medical treatment to the unique characteristics, needs, and preferences of each patient. The concept of personalized medicine is not new; clinicians have long observed that patients with similar symptoms may have different illnesses, with different causes and, similarly, that medical interventions may work well in some patients with a disease but not in others with apparently the same disease. What is different now is that advances across a wide range of fields from genomics to medical imaging to regenerative medicine, along with increased computational power and the advent of mobile and wireless capability and other technologies, are allowing patients to be treated and monitored more precisely and effectively and in ways that better meet their individual needs.

We solicit high quality, original research articles, as well as review articles, focused on the topic of “stem cells and biomaterials for personalized regenerative medicine.”

Potential topics include but are not limited to the following:

- ▶ Cell-based therapies, which may benefit from cell sources that enable easier autologous setups
- ▶ Induced pluripotent stem cells directed to develop personalized therapeutics
- ▶ Customization of scaffold materials to match a patient’s tissue defect
- ▶ Rapidly prototyping technologies, such as 3D printing
- ▶ Creation of off-the-shelf solutions to enable immediately available tissue engineered products

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/sci/stbp/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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