Patient empowerment has emerged as a new healthcare paradigm that encourages individuals to be actively involved in managing their own healthcare needs. Effective patient empowerment requires a holistic approach, combining multiple dimensions of needs across different contexts. Multidisciplinary efforts at the intersection of Medical and Biological Engineering, as well as Computing, are critical for patient empowerment. Research and development in these areas are impacting science and technology by advancing fundamental concepts in translational medicine and understanding in human physiology, function and behavior, at multiple levels. The dynamism in these fields of study is leading to improved tools and techniques for the detection, prevention, treatment and management of diseases.

This special issue aims to collect high quality articles on topics related to the development of Models and Technologies for Promoting Patient Empowerment, including but not limited to the following:

- Assistive Technologies
- Bioinformatics, Computational Biology and Systems Biology
- Bioinstrumentation, biosensors & bio-micro/nano technologies
- Biomaterials and Tissue Engineering
- Biomechanics, Robotics and Rehabilitation
- Biomedical Engineering Education and Society
- Biomedical Imaging & Image Processing
- Biomedical Signal Processing
- Biomedical technologies for developing countries
- Clinical Engineering and Health Technology Assessment
- Information Technology in Health Systems
- Neuro Engineering, neuro systems
- Standardization of Open Data
- Technologies for Active Ageing
- Technologies for preventive Healthcare
- Therapeutic and Diagnostic Systems, Devices and Technologies & Clinical Engineering
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Authors attended the 15th Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2019, http://www.medicon2019.org are invited to submit papers to this special issue, expanding their work presented at the conference. In addition, authors not attending MEDICON 2019 are also invited to submit their work if it falls within the topic of the special issue. Only original and well-focused papers presenting previously unpublished work will be considered. From the submitted works a set of approximately 15 will be selected to be published in this special edition.

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