

Biomedical engineering and 3D printing

Camille Gobled

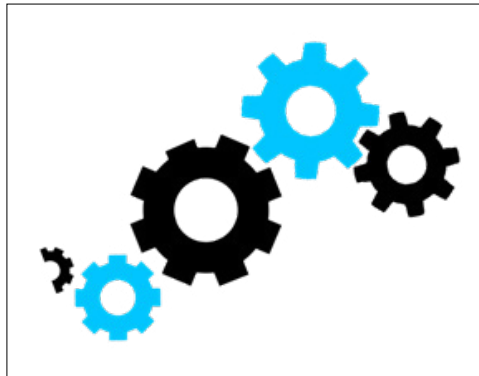
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Abstract

Biomedical engineering is a discipline at the crossroads of the traditional fields of engineering and medicine. The aim is to apply the most advanced technologies to develop new solutions for the medical sector. This discipline includes different areas of activity: devices development, devices testing and validation before their introduction to the market, assistance to medical staff and clinical research.

3D printing is a technology that opens up greater possibilities in the medical sector. Even if the principal use is to obtain prototypes and develop new devices, there are other applications of 3D printing. This technology can indeed help the surgeons visualize an organ or communicate with the patient and his family.



Biography

Camille Gobled, 22 years old, is in her last year of biomedical engineering school at ISIFC, FRANCE. She participated this year in the innovation contest Hacking Health in Besançon, FRANCE. She was present as an exponent at the showroom with ISIFC, and as a participant, brought her knowledge to find solutions for health problems. She also worked during six months on 3D printing of Wilms' tumor for the European project SAIAD (Automatic Segmentation by Distributed Artificial Intelligence).



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