

[188] 3D PRINTING - A NOVEL APPROACH TO DESIGN AND MANUFACTURE PERSONALIZED MEDICINES

Simona Di-Capua, Sr Dir GXR&D Tech & Process Design KFS, Teva

Title: 3D Printing – A novel approach to design and manufacture personalized medicines

3D printing could play a disruptive role in the conservative pharmaceutical industry. In particular, the main benefits of 3D printing lie in its ability of manufacturing small batches or tailor-made, personalized medicines. 3D printing could support drug development through early phases of preclinical and formulation development because of its ability to produce fast and small batches for testing. Ultimately, personalized manufacturing at points of care or even homes can be envisioned. We will discuss a selection of 3D printing technique suitable for the preparation of the pharmaceutical dosage forms and its challenges.

