



# FABRICATION OF INNOVATIVE DOSAGE FORMS BY MEANS OF 2D/3D PRINTING

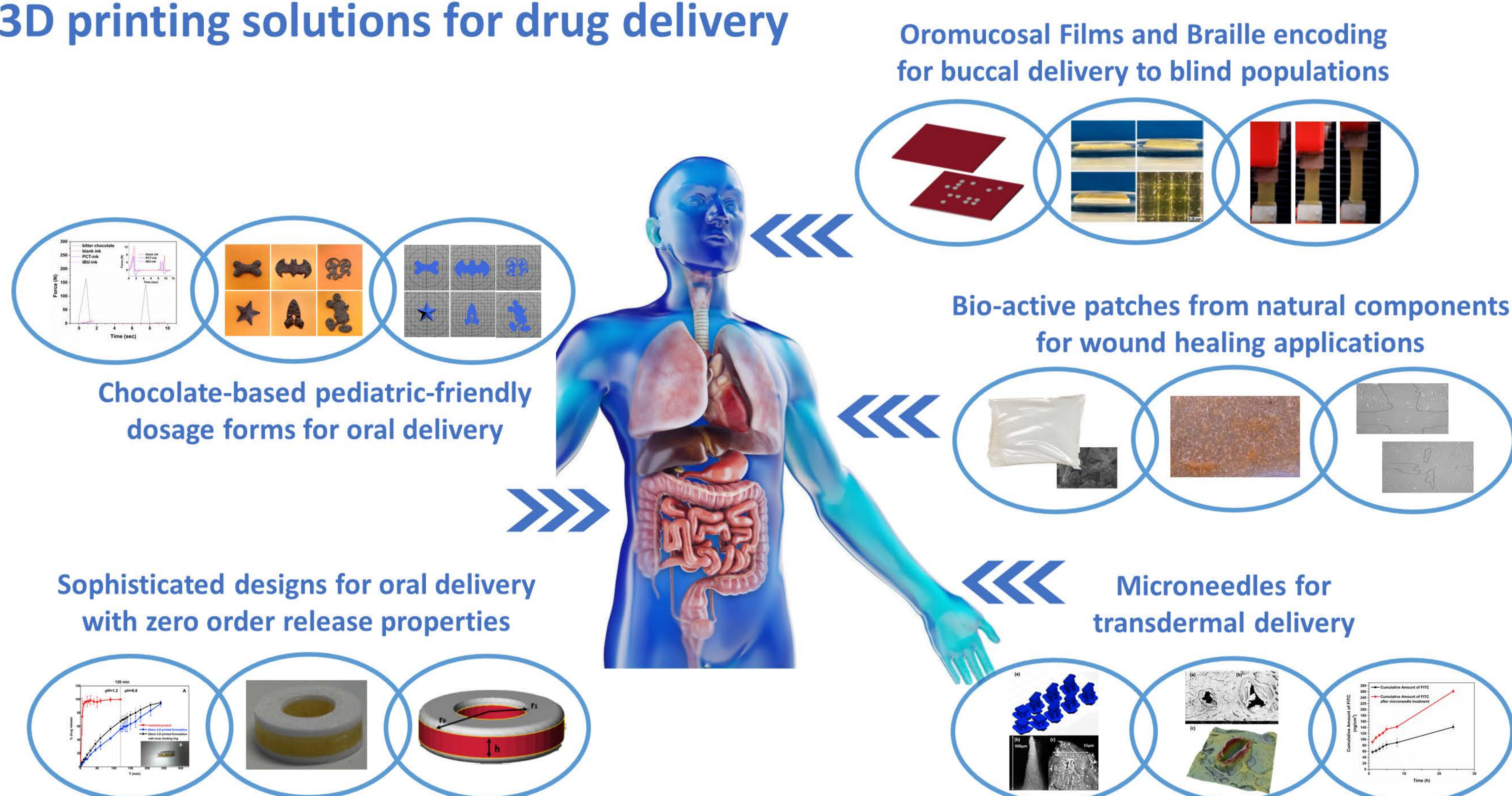
The goal of the Drug Delivery and Pharmaceutical Technology research group is to use emerging technologies for the development of novel drug delivery systems for small and large bioactive molecules. In this context, the group is investigating the use of printing technologies in the fabrication of drug delivery systems and their possibilities in the personalized dosing of medicines. An important aspect is the development and research of new carrier materials for printed substances and drug formulations.

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### 3D printing solutions for drug delivery



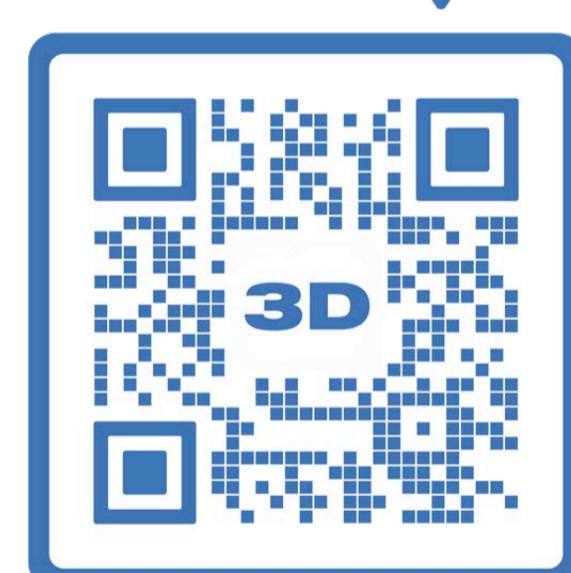
3D printed dosage forms for different routes of administrations namely; peroral [1-8], intraoral [9-13], dermal (wound healing patches) [14-15], transdermal (microneedles) [16] and special groups (visually impaired people Braille [17], chocolate-based paediatric formulations [18]).

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