

# 3D Printing



## Clinical needs

- Dose tailoring
- Medicines adherence
- Patient preferences
- Desired release profile
- Localised drug targeting

## Benefits

- Precise dosing
- Improved adherence
- Customised shape, size and color
- Cost-effective

## Our approach

- Filament production: Hot-melt extrusion
- Fused Deposition Modeling (FDM)
- Semi-solid extrusion (Bioprinter)

## Potential areas

- Cancer
- Neurodegenerative disorders
- Reproductive health
- Range of customised applications

## Publications

Paris F. et al (2020).  
Biomater Science  
Ruixui et al (2021),  
Pharmaceutics

