



BIOPRINTING CENTER VÄST



CHALMERS::BBV

The 3D Bioprinting Center at Chalmers University of Technology is open to research groups from hospitals, industry and academy with an interest in tissue engineering and 3D cell culture. The center has state of the art equipment for printing cells and tissues needed for research, drug screening and tissue engineering; and for evaluation of tailor made biocompatible biomaterials, or bioinks, for 3D bioprinting with living cells. The center was established in January 2015 and has several ongoing projects including cartilage, skin and adipose tissue engineering.

Resources

Two 3D bioprinters available at the center; a 3D Discovery from regenHu, Switzerland, and an INKREDIBLE+ from Swedish start-up Cellink. In addition, the 3D Bioprinting Center offers rheology measurements of bioinks, medical 3D modelling,

conventional 3D printing and cell culture facilities.

Opportunities

At the center, researcher are welcome to print living cells, as well as culture cells before and after printing. We can assist with study design and technical expertise. The center is also open for researchers wanting to test their materials for 3D bioprinting, and we can assist in tailor-made bioink development and modification for specific purposes. A cell compatible bioink, Cellink, has been developed in house and is now commercially available.

Contact

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