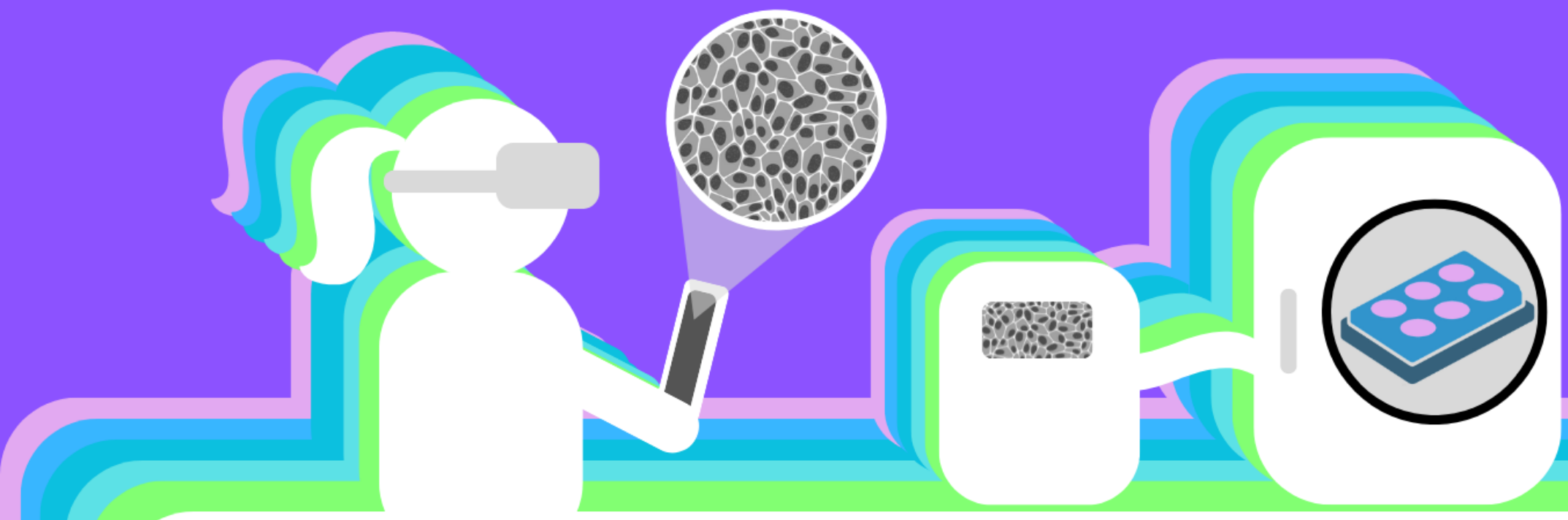
Maastricht University

AIM

NestEgg Labs

Incubator-based automated cell culture solution
For the purpose of biotechnological cell research



The OPZuid project is a collaboration with NestEgg to develop an innovative solution to automation and standardization of 3D cell culture. Together, the project aims to accelerate the integrated chain of pre-clinical and clinical research, making regenerative therapies more quickly available for the treatment of chronic disease. The development of regenerative medicine requires innovative research with associated research tools.

Each step in the culture process requires precision and any deviation can introduce contamination, compromising the study. By performing tasks manually, there is an increased risk of contamination and misidentification of cells, making studies unusable and requiring redundant work. By automating this delicate work within the incubator and with minimal intervention, results can be improved with less time and effort wasted.

The MERLN Institute for Technology Inspired Regenerative Medicine along with The Stem Cell Research UM Facility are providing their considerable expertise in these domains and will spearhead the validation testing with researchers from their own groups along with ReGEN Biomedical. AIM B.V. and their partner Comate will contribute their mechatronic development and engineering expertise to ensure the device is robust and performant while meeting the complex needs of researchers on the cutting edge of cell-based research.

Find out more about the Ovation system at nestegglabs.com

OPZUID
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