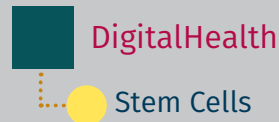


SatTyping: A software-based typing of regenerative stem cells towards resource-saving and efficient production of ATMPs



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SUMMARY

Muscle wasting and weakness are leading symptoms of a wide variety of diseases with dramatic impairment of life quality and life-threatening consequences. The team develops an innovative autologous muscle stem cell therapy to fight muscle diseases. For the efficient production of human muscle stem cells for regenerative therapy, the SatTyping team aims to develop a software-based standardized in-process-control. The advanced therapy medical product market is urgently seeking for automation of product manufacturing to ensure marketability. The SatTyping software solution promotes resource-saving production of adherent cells and contributes to digitization when it comes to scalability.

PROJECT ACHIEVMENTS DURING AND AFTER SPARK

- Testing of a software-based solution for in-process quality control for adherent growing cells