

ABOUT US

We are an innovative startup company. The team has expertises ranging from engineering, to biotechnology and bioengineering.



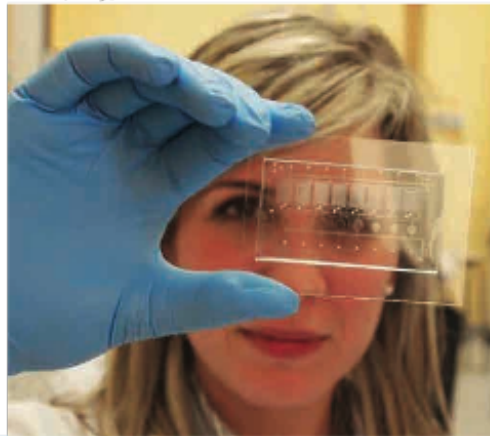
PROPRIETARY MICROFLUIDIC TECHNOLOGIES

uSTEM is proprietary of a microscale platform, covered by 4 patents. It took 4 years of R&D to develop this technology, and the results are outstanding: 50 folds efficiency enhancement; 200 folds reduction in reagents volume; 40 folds reduction in cell number.

Luni et al., Nat Methods. 2016 May;13(5):446-52.

CONTACT US

uSTEM is located within a research institute in the center of an industrial and scientific research park, in Padova (Italy).



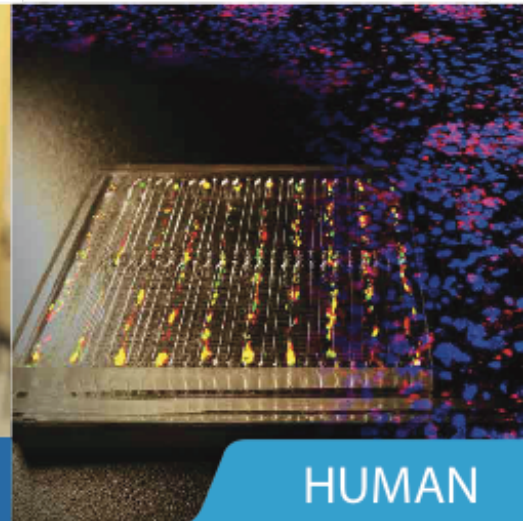
uSTEM looks through your future

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uSTEM



HUMAN SOMATIC REPROGRAMMING

The effective reprogramming service with microscale technologies

www.ustemcells.info

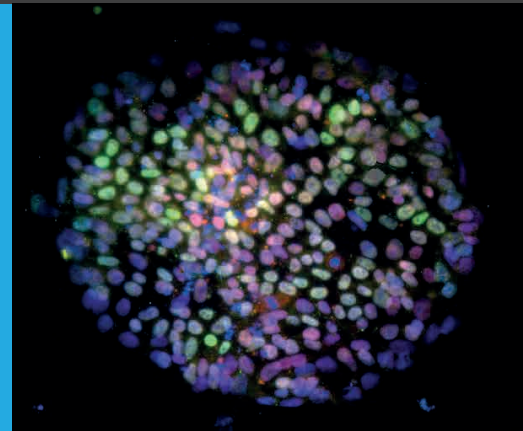
NOT JUST REPROGRAMMING

WHY CHOOSE US?

OUR SERVICES



FAST CLEAN EFFECTIVE



TIME SAVING AND COST EFFECTIVE

Our technology is qualified to the highest standard and is compliant with GMP requirements: the system can be closed and remotely controlled, maximizing robustness and strongly decreasing the probability of contaminations. We have dedicated R&D units for GMP-grade production of hiPSC and hiPSC-derived hepatocytes.

Our reprogramming service is:

- ✓ Efficient: 99 % of success rate;
- ✓ Effective: cells that are refractory to standard reprogramming techniques have been successfully reprogrammed with our technology;
- ✓ Suitable for a small number of cells;
- ✓ Not based on genomic integration (mmRNA).

We reprogram mainly fibroblasts and renal epithelial cells from urine, however our dedicated specialists can settle a deal with the customer for accepting other cell types.

We offer two type of services:

- Standard, comprising reprogramming and a basic characterization;
- Bespoke, offering reprogramming and *ad hoc* characterization analysis chosen with the customer.