Cell Microsystems Offers Unique Prize – Clones Grown from Difficult Cell Lines

Confidence in technology's ability to achieve accelerated clonal colony growth from single cells leads to challenge to scientific community

RESEARCH TRIANGLE PARK, DURHAM, NORTH CAROLINA, UNITED STATES, September 14, 2022 /EINPresswire.com/ -- Cell Microsystems Inc., a developer and manufacturer of innovative products for single cell workflows, announced today that it will select 10 applicants to submit cells for which they have had challenges developing monoclonal cell lines. From the cells submitted, Cell Microsystems will use their unique CellRaft® Technology to grow clones to send back to the chosen applicants.

Single cell workflows are a hot topic in scientific research. The ability to generate monoclonal cell colonies is essential for developing cell lines, producing recombinant proteins and antibodies, and genetically engineering and cloning stem cells, which aid in the disease modeling, drug screening, and developing new therapeutics and personalized medicine.Unfortunately, a key challenge in these workflows is one of the very first steps required – single cell isolation and monoclonal expansion.

Cell Microsystems has had success using its proprietary CellRaft Technology on a variety of difficult cell lines, giving researchers confidence in the technology's ability to grow colonies from single cells. One example is of that of a researcher who tried unsuccessfully for a year to generate monoclonal colonies from their cell line. They submitted the cells to Cell Microsystems who used CellRaft Technology to generate over 100 clones, sending the scientist 10 clones. In two weeks, the scientist confirmed a prized double-positive clone.

"We see researchers struggling to generate monoclonal colonies from single cells in many important research areas and want to offer our scientific resources and technology to help achieve their goals," said Gary Pace, CEO at Cell Microsystems.

Selected applicants will receive:
- 5 verified clones of the desired phenotype
- Complete imaging record in brightfield and/or fluorescence
- Full data report on single cell clone formation and colony outgrowth

The deadline for entry is October 14, 2022.

More details and the application form are available at cellmicrosystems.com/clonechallenge

About Cell Microsystems:
Cell Microsystems' lead products, the CellRaft AIR®System and CellRaft®Arrays, enable complex workflows to be performed on a single consumable, including clonal propagation of single cells for CRISPR gene editing, cell line development, stem cell studies, organoids and other 3D cultures, cell-based assays, and genomics research. The System uses real-time on-array image analysis under standard culture conditions that enables single cells or clones to be independently isolated for additional culturing or downstream analysis. The System enables single cell workflows with unperturbed phenotypes, high viability, and efficient yields producing results with faster turnaround times to downstream analysis and with richer datasets for discovery and translational research. Learn more atwww.cellmicrosystems.com.

Lisa Birkby
Cell Microsystems, Inc.
email us here
Visit us on social media:
Twitter
LinkedIn
