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**Explore a New Development in Studying Cell Motility and More in the August Issue of *SLAS Technology* – Available Now**

**Oak Brook, IL** – The August issue of *SLAS Technology* is now available Open Access on [ScienceDirect](https://www.sciencedirect.com).

Cell migration is an essential function that both influences the positioning of cells within the body and affects bodily processes like repairing wounds. Unfortunately, cell migration is also an essential component in metastasis. Cancer research has benefited greatly from the advancements in modern technology. For instance, 3D tissue culturing models, such as spheroids, enable researchers to perform *in vitro* assays on samples that more accurately recreate the tumor environment than cell cultures alone. However, spheroids by themselves are not sufficient when studying metastasis; to accurately recreate *in vivo* cell migration you must also accurately recreate the tissue-specific microenvironment. Thus, the difficulty in studying metastasis lies the ability to design high-throughput, results-producing *in vitro* assays that translate to the *in vivo* environment.

In the study “A biomimetic high throughput model of cancer cell spheroid dissemination onto aligned fibrillar collagen” by Ibrahim, et al., the team of researchers seeks a new way to provide a tool for observing cell migration with a high-throughput spheroid-based migration assay by using a tissue-mimicking, fibrillar collagen type 1 extracellular matrix (ECM). By placing spheroids in the center of a tissue-mimicking ECM, the researchers produced a more accurate representation of how cells migrate through an ECM, thus creating a new method for researchers to study cell motility and cancer metastasis. Access this August issue of *SLAS Technology* to learn more about the image analysis of cell migration and its potential benefits in cancer research.

The [August issue](#) of *SLAS Technology* includes these additional articles:

- [A fully automated high-throughput plasmid purification workstation for the generation of mammalian cell expression-quality DNA](#)
- [Simultaneous detection of salivary cortisol and cortisone using an automated high-throughput sample preparation method for LC-MS/MS](#)
- [Development of a fully automated platform for agar-based measurement of viable bacterial growth](#)

- [Rapid detection of 5 fungal diseases in sunflower \(\*Helianthus annuus\*\) using dual priming oligonucleotide system-based multiplex PCR and capillary electrophoresis](#)
- [Analysis of \*Alburnus tarichi\* population by machine learning classification methods for sustainable fisheries](#)

Access to the August issue of *SLAS Technology* is available at [https://slas-technology.org/issue/S2472-6303\(22\)X0005-8](https://slas-technology.org/issue/S2472-6303(22)X0005-8)

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SLAS (Society for Laboratory Automation and Screening) is an international professional society of academic, industry and government life sciences researchers and the developers and providers of laboratory automation technology. The SLAS mission is to bring together researchers in academia, industry and government to advance life sciences discovery and technology via education, knowledge exchange and global community building.

*SLAS Technology*: Translating Life Sciences Innovation, 2021 Impact Factor 2.813. Editor-in-Chief Edward Kai-Hua Chow, Ph.D., National University of Singapore (Singapore).

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