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CSC New Technology Seminar Series



MRC CSC - Hammersmith Hospital Campus

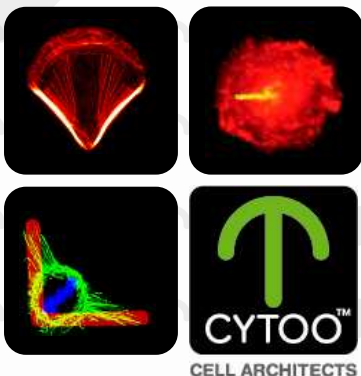
Reproducible and quantitative analysis of cell architecture using adhesive micropatterns

Dr. Constantin Nelep, CYTOO Cell Architects

Thu., Nov. 24
3:00 pm

CSC Seminar Room
Commonwealth Building
2nd Floor

The most common cell culture method to study cell behavior under different stimuli, is the Petri Dish or its variants in multi-well plates. These systems are easy to use and versatile but still suffer from large cell variability. Reducing cell variability and developing efficient image analysis methodologies are key in reaching high quality and reproducible results both in fundamental cell biology and in cell-based High Content assays. We will introduce you to a powerful technology based on CYTOO's adhesive micropatterns which normalize cell architecture down to their internal organization and allow to quantitatively phenotype cells. Different applications will be presented and the focus on the practical aspects of quantitative analysis in CYTOO's cytoskeleton rearrangement assay to detect cellular effects of model drugs.



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