

GENETICS

GENOMICS OF A SINGLE CELL

5.10.2006

This is a fascinating area - [methods for amplifying DNA from single cells](#) for complete genome sequencing. The current approach uses isothermal multiple displacement amplification MDA, followed by 454 sequencing. Biotechnology is getting closer towards its origins, yea, yea.

Addendum

We can now add also single [cell protein](#) analysis - microfluidic devices that can dissolve and separate proteins before quantifying them by fluorescence in confocal microscopy. Several groups tried to increase the signal-noise ratio by decreasing capillary dimension (leading to clogging) while the new study widens the excitation laser.

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