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Quantification of macromolecular crowding and ionic strength in living cells

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STELLINGEN

Quantification of macromolecular crowding and ionic strength in Living cells.

1. The science of today is the technology of tomorrow.
2. Science is a way of thinking much more than it is a body of knowledge.
3. Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world.
4. The important thing is to not stop questioning. Curiosity has its own reason for existing.
5. The collection of new probes provides more detailed read-outs on the macromolecular crowding than a single sensor the maturation efficiency has significant effect on the measured FRET efficiency under induced conditions
6. The self-association creates a heterogeneous distribution in the cytoplasm, resulting in some regions experiencing less crowding.