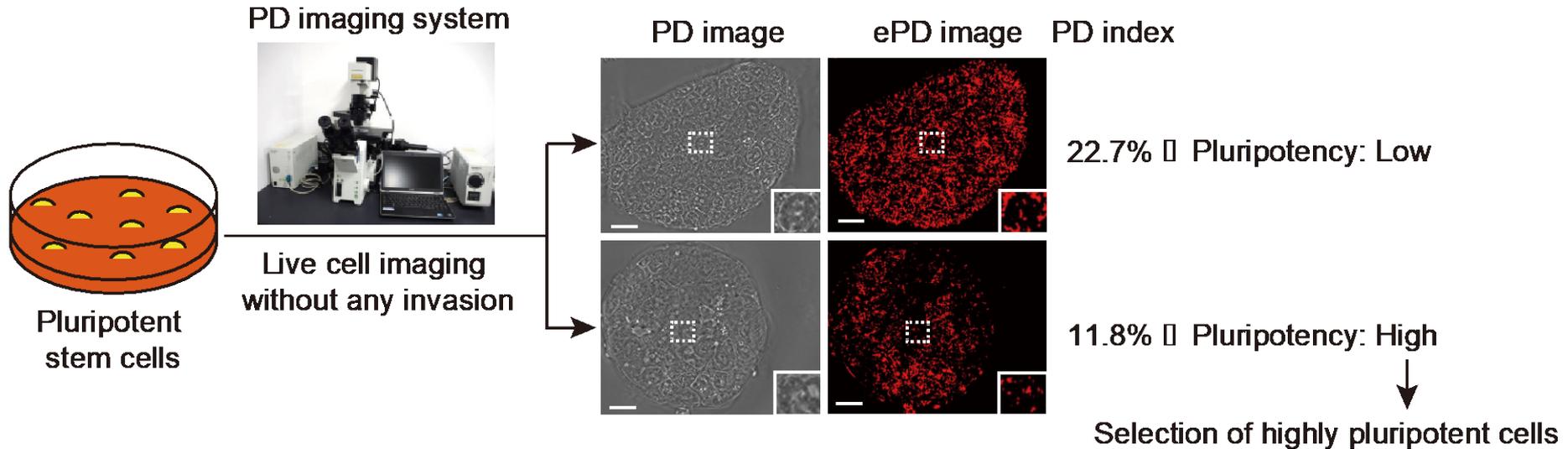


# Live-cell imaging of subcellular structures for quantitative evaluation of pluripotent stem cells



**We developed an imaging system, termed Phase Distribution (PD) imaging system, which visualizes subcellular structures quantitatively in unstained and unlabeled cells. The PD image and its derived PD index reflected the mitochondrial content, enabling quantitative evaluation of the degrees of somatic cell reprogramming and PSC differentiation.**

References: Nishimura et al., *Scientific Reports*. 2019; 9: 1777.

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