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Cellulose nanofibril matrix drives the dynamic formation of spheroids

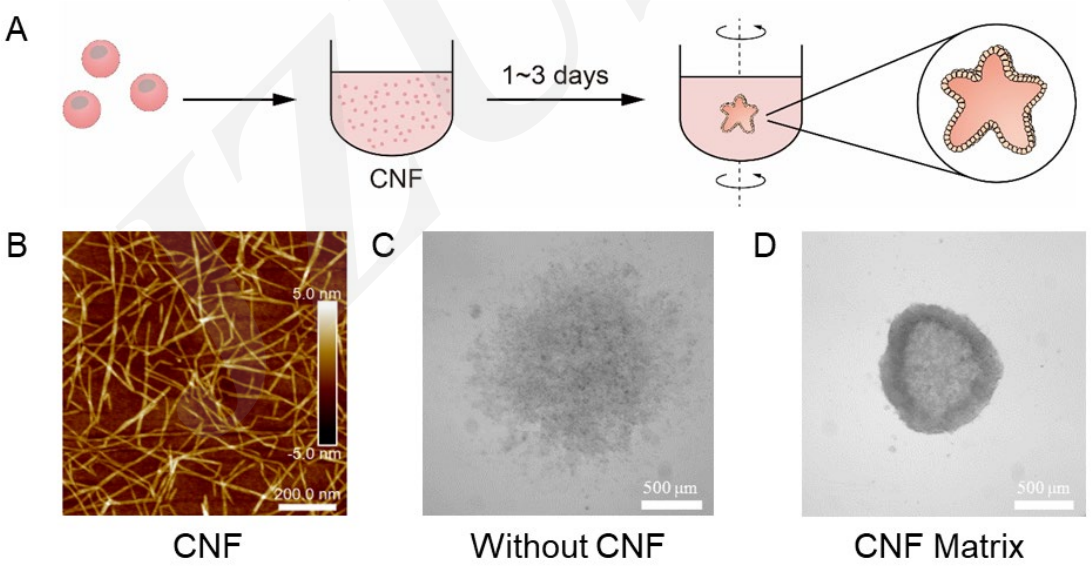
Key words: Cellulose; Nanofibril; Matrix; Self-Assembly; Spheroid

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Research Summary

This study introduces an efficient method to drive rapid multicellular spheroid formation by a cellulose nanofibril matrix

- **Rapid Formation of Spheroid**
- **Size-controllable and Dimension Tunable**
- **Well-organized physiological microstructure**



Innovation points

- This study introduces an efficient method to drive rapid multicellular spheroid formation by a cellulose nanofibril matrix.

- This matrix enables the facilitated growth of spheroids (within 48 hours) through multiple cell assembly into size-controllable aggregates with well-organized physiological microstructure.

- The above strategy allows the robust formation mechanism of compacted tumoroids and hepatocyte spheroids.

