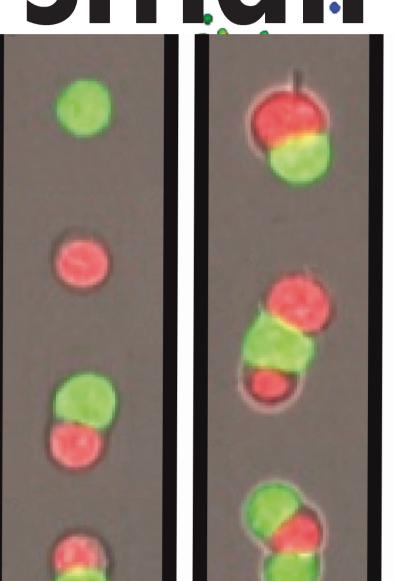
NANO MICRO Cell Synt

Cell Adhesion

Synthetic cell–cell adhesion with high stability and robustness is demonstrated by S. H. Yun and co-workers using a bioorthogonal click chemistry-based cell gluing method. On page 6458, they show how tetrazine (Tz) and trans-cyclooctene (TCO) conjugated to the cell surface form covalent bonds between cells within 10 min in aqueous conditions. Glued cells remain viable and stably attached in blood flow, showing the potential for biomedical applications.





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Bioorthogonal Click Chemistry-Based Synthetic Cell Glue S. H. Yun and co-workers