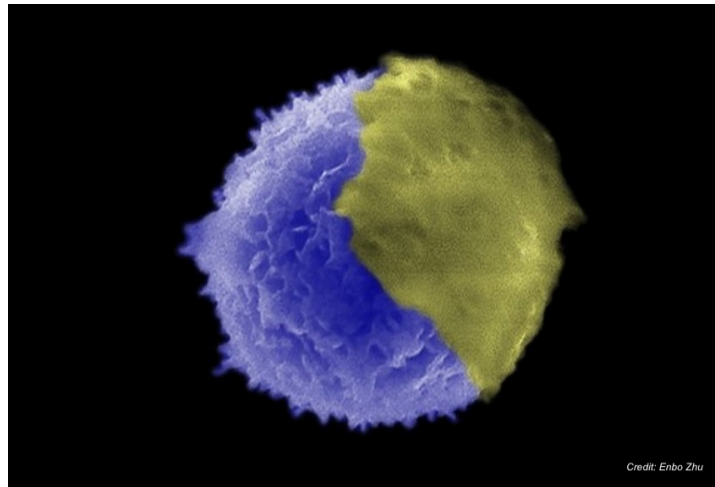


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# Immune-based treatment gets a boost to its cancer-fighting superpowers



*New material platform (depicted in yellow) interacting with a T cell to activate cancer-killing T cell production*

UCLA Life Sciences

October 4, 2024

CAR-T cell therapy is a potent new cancer treatment – being researched by microbiology, immunology and molecular genetics p

CAR-T cell therapy is a potent new cancer treatment – being researched by microbiology, immunology and molecular genetics professor Lili Yang [<https://www.liliyanglab.com/>] and materials science and engineering professor Yu Huang. The therapy involves genetically engineering a patient's own immune cells to specifically target and kill their cancer cells.

Today, the California NanoSystems Institute reports on a UCLA research collaboration that developed a new platform which effectively produces the powerful cancer-killing T cells [<https://cnsi.ucla.edu/october-4-2024-immune-based-treatment-gets-a-boost-to-its-cancer-fighting-superpowers/>] that lie at the heart of CAR-T therapy.

This new approach could advance CAR-T treatment for blood cancers and the progress of other emerging immunotherapies.

## Life Sciences

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