

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Cynthia L. Yin Project Title Catalytic Delivery NanoSubstrates (CDNS) for Highly Efficient Delivery of Biomolecules More and Comparison of Display Compared to the substrates of the substrates and improve delivery performance. Methods/Materials Transfection of EGFP using CDNS has the higher efficiency of all cell lines with both DNA dosages when compared to Lipofectamine 2000 and RD jet PEI. I waddition, cells transfected with CDNS was compared to the substrates cells transfected with CDNS and all substrates of the substrates cells transfected with CDNS had lower cytoricity as well. CDNS can potential by the perfection of the substrates cells transfected with CDNS had lower cytoricity as well. CDNS can potential cytor with our substrates of the substrat
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Summary Statement
This project develops Catalytic Delivery NanoSubstrates (CDNS) for not only highly efficient delivery of biomolecules into vargeted cells but also high cell viability after transfection.
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Help Received
Used lab equipment at University of California, Los Angeles under the supervision and guidance of Dr.
Tseng, Dr. Wang, and Dr. Liu.