

Crowdfunding to research nanoparticle chemo via patches

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Singapore: Two student researchers from York University have launched a crowdfunding campaign to develop a nanoparticle cancer treatment that will be applied to the skin via a pharmaceutical patch.

The project titled Nanject, is a patch that injects microscopic particles or nanoparticles into the bloodstream and is being developed by Zakareya Hussein and Atif Syed.

These nanoparticles once injected will then target cancer cells and attach themselves to the cancer cells and kill them. The particles and dead cells will be removed naturally by the body.

The crowdfunding campaign also aims at understanding other ways of delivering such treatment and to conduct more research on targeted drug delivery.

In current cancer treatment like chemotherapy, healthy cells are also often destroyed by the drug and this can lead to complications for the patient. Using nanoparticles that are designed to target specific cells can help address this issue.