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## **Novel drug delivery routes mediated via nanotechnology targeting allergy vaccination (NANOASIT)**

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Conventional drug delivery techniques are characterized by sinusoidal, temporal peaks of blood drug concentration, which may lead to side effects or reduced drug efficiency. We propose to use state-of-the-art nanotechnology, including micro-nanoprojection array patches (MNPs), to enable targeted and uniform drug delivery for the treatment of allergy. The project will include the design of precise pore systems with tunable pore wall interactions of the drug carrier, and will ensure that the tailored nanostructures interact favorably with the body on the macro scale.