



## Nanoparticle mediated Photochemical Internalisation (PCI) of small anticancer drugs

**Acronym:** PCInano

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“Cancer specific drug delivery system, enabling controlled chemotherapy release upon light irradiation”

Current chemotherapy has drawbacks such as side effects and drug resistance. The PCInano project will implement a novel nanoparticle-based, cancer specific drug delivery system, enabling controlled chemotherapy release upon light irradiation. This will be implemented by parallel administration of the PCInano nanocarriers with a light activatable agent (photosensitizer, PS). We expect the proposed technology to mature into a cost effective and once off cancer specific treatment.

