



Wolfson Department of Chemical Engineering Seminar

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Via Zoom: <https://technion.zoom.us/j/92363414846>

Nanoparticle development for treating rare tumors with different uptake patterns

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MSc Seminar

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Cancer is still a widely common disease with many different types as well as treatments. To this day many of the medicines used to fight cancer tumors are causing severe side effects and are very hard on the patients. Nanoparticles were previously shown to minimize those side effects by allowing targeted delivery of the drugs to the tumor.

While developing nanoparticles to treat rare tumors to allow better treatment for the patients, we discovered different uptake levels of the nanoparticles into tumors created by different mutations. We characterized the differences between the different mutations and researched different approaches for treating the different tumors. This research demonstrates the importance of personalized medicine.