

## ELEKTRON

MosaMedix participates in the innovative ELEKTRON project, which is a cross-border collaboration in the Euregion Flanders-Netherlands. The ELEKTRON project aims to enhance selective drug uptake in cancers, which is a strategy for both increasing efficacy of treatment and diminishing unwanted side effects. It has been shown that living endothelial cells in tumor vasculature and stressed tumor cells expose Phosphatidylserine (PS) on the outer surface of their cell membrane. Phosphatidylserine is a normal part of the cell membrane layer that faces the cytoplasm and it is not exposed to the external environment by healthy cells. PS exposure is therefore a potential selective target for treatment of cancers. MosaMedix has developed proprietary technology for specific targeting of PS, based on its annexin A5 platform. The Xenon Company has proprietary technology for local stimulation that may be of use for further increase of PS exposure. In the ELEKTRON project MosaMedix and XENON have joined forces together with Maastricht University and University of Antwerp to develop novel innovative stimuli to increase PS exposure in cancer cells. The goal of the project is to improve anti-cancer treatments of patients by innovation.

The ELEKTRON project was inspired by the Virtual Research Laboratory Euregional PACT II, a cross-border collaboration of Universities of Ghent, Antwerp, Leuven, Maastricht and Aachen, and Life Science networking organisations FlandersBio and LifeTecZOne.

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