

ACTIVATION OF IMMUNITY CONTROLLED BY LIGHT

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Abstract. It is known that cells of immune system, such as macrophages and dendritic cells, effectively absorb various microparticles. It is possible to activate these cells with the help of the microparticles, capable to generate a potential. Potentials are formed due to chemical reactions (just as it occurs in a battery) or under action of light radiation (as in a photo cell). If the absorbed particle operates as a photo cell, it is possible to operate activity of such cells, changing intensity of light radiation. It is possible to use such immune cells controlled by light in oncology.

Keywords: immunity activation, microparticles, microphoto cells.