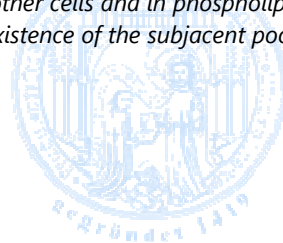


Myelin-like membranous structures in microglial cells.

Gimsa, U., Kralj-Iglič, V., Gimsa, J., Fosnarić, M., Iglič, A., 2002. In B. Zajc (Ed.): Proceedings of the Eleventh International Electrotechnical and Computer Science Conference ERK 2002, Vol. B, Slovenia Section IEEE:333–336. ERK XI 2002, 23.-25. September. Portorož, Slovenia.

Abstract: *Recently, micro and nanotubular structures that are also present in cells have become a subject of increasing interest. In this work we report on observation of myelin-like membrane protrusions in microglial cells. It was observed that the membrane of the resting microglial cells exhibits numerous protrusions that may appear as branched microtubular structures. When the microglial cells were activated the protrusions were not observed. As myelin-like protrusions of the bilayer membrane were also found in other cells and in phospholipid vesicles, the observed features are discussed within the hypothesis which indicates the existence of the subjacent pool of membraneous material in cells.*

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