

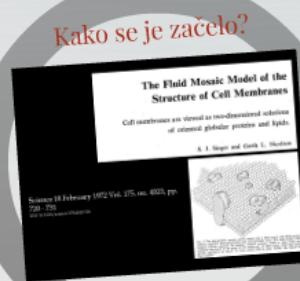
Označevanje s holesterolom bogatih membranskih mikrodomen z ostreolizinom A

Pripravil: Matej Skočaj, Katedra za biokemijo, BS, BF

Mentorja: Kristina Sepčič, Katedra za biokemijo, BS, BF in

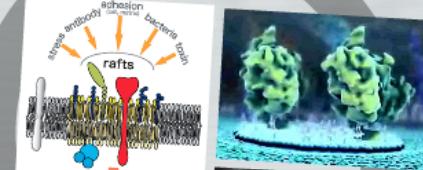
Peter Veranič, Inštitut za biologijo celice, MF

6. marec, 2014

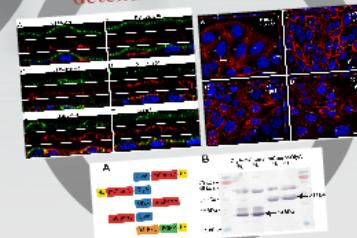


Kako se je začelo?

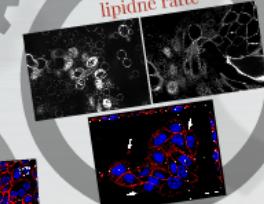
Kaj so lipidni rafti?



Z OlyA-mCherry lahko detektiramo lipidne rafte



Z OlyA lahko izoliramo lipidne rafte



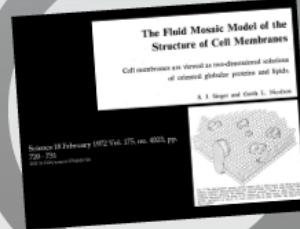
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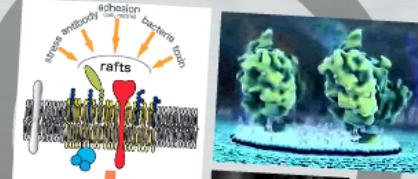
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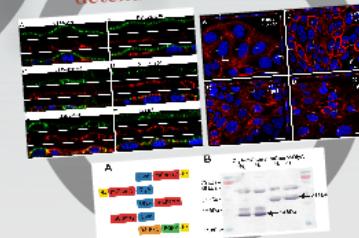


Kako se je začelo?

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Kako se je začelo?

The Fluid Mosaic Model of the Structure of Cell Membranes

Cell membranes are viewed as two-dimensional solutions of oriented globular proteins and lipids.

S. J. Singer and Garth L. Nicolson

Science 18 February 1972 Vol. 175, no. 4023, pp.
720 - 731
DOI: 10.1126/science.175.4023.720

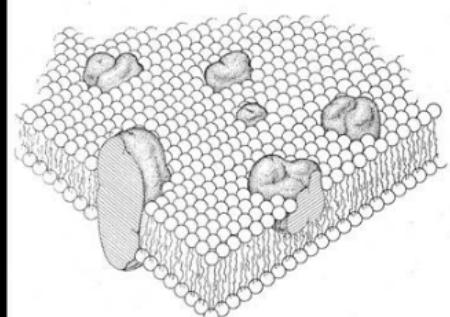
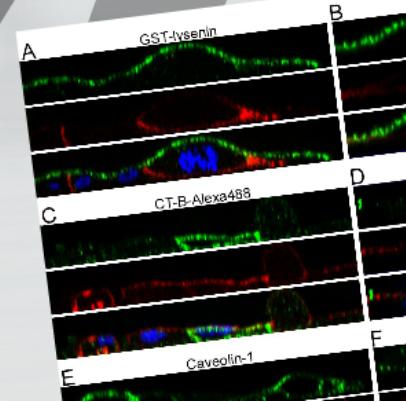
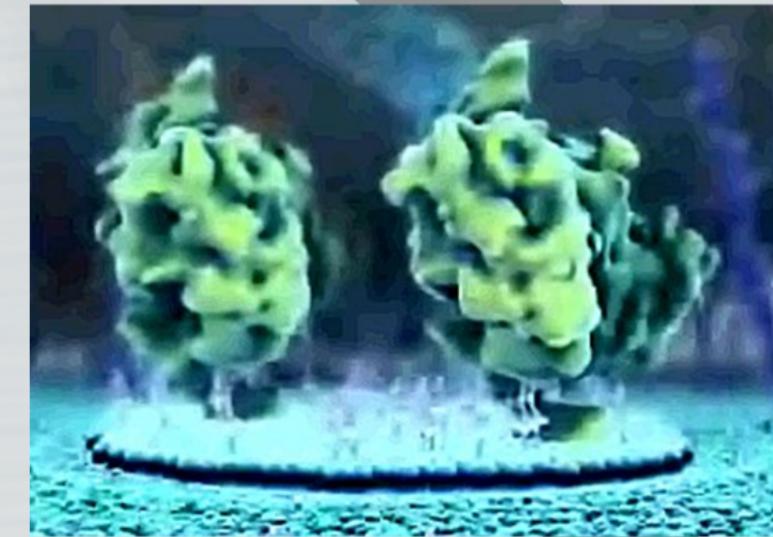
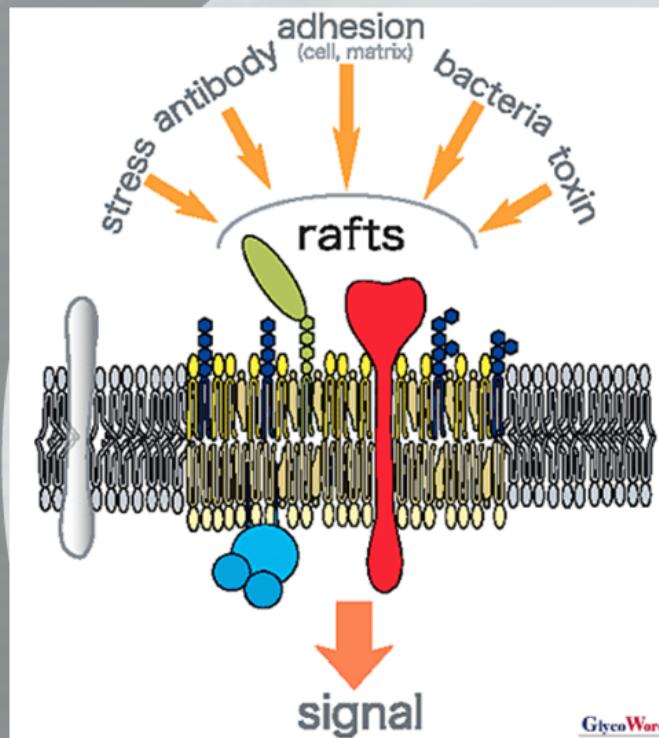
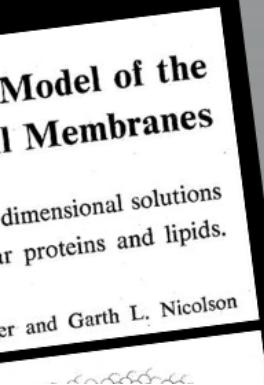


Fig. 3. The lipid-globular protein mosaic model with a lipid matrix (the fluid mosaic model); schematic three-dimensional and cross-sectional views. The solid bodies with stippled surfaces represent the globular integral proteins, which at long range are randomly distributed in the plane of the membrane. At short range, some may form specific aggregates, as shown. In cross section and in other details, the legend of Fig. 2 applies.

Kaj so lipidni rafti?

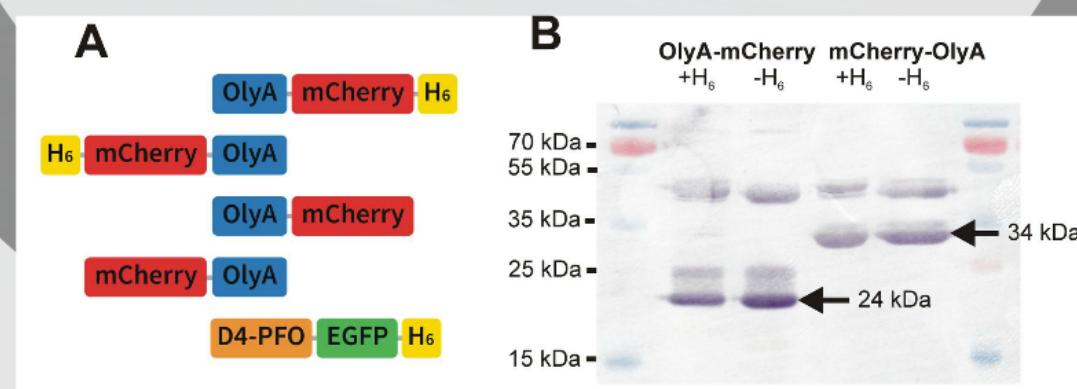
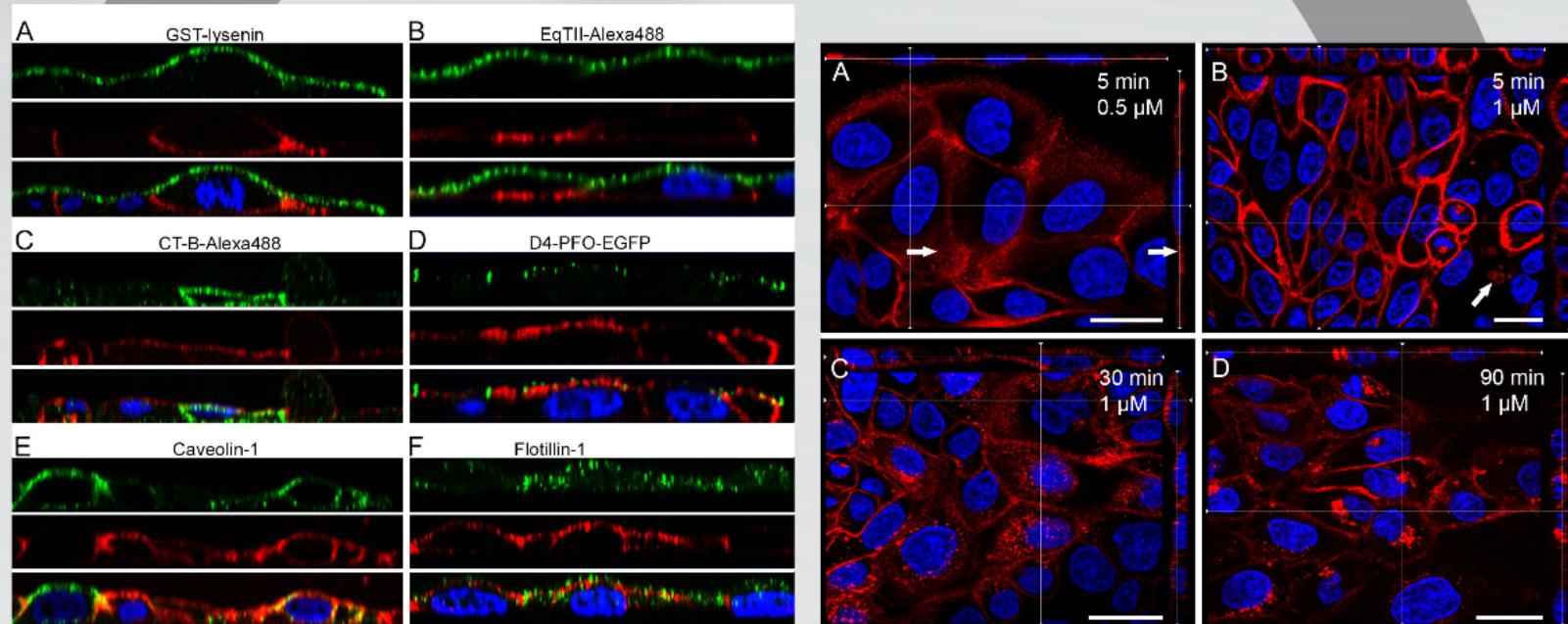


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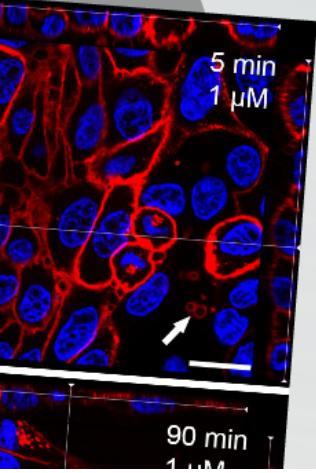
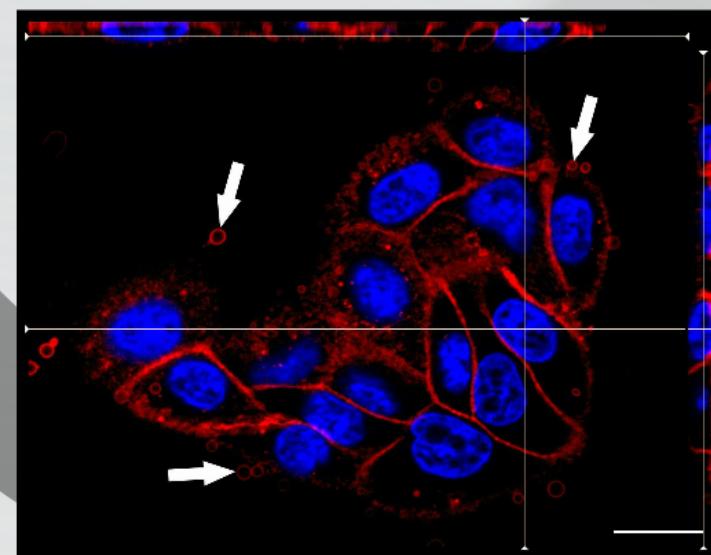
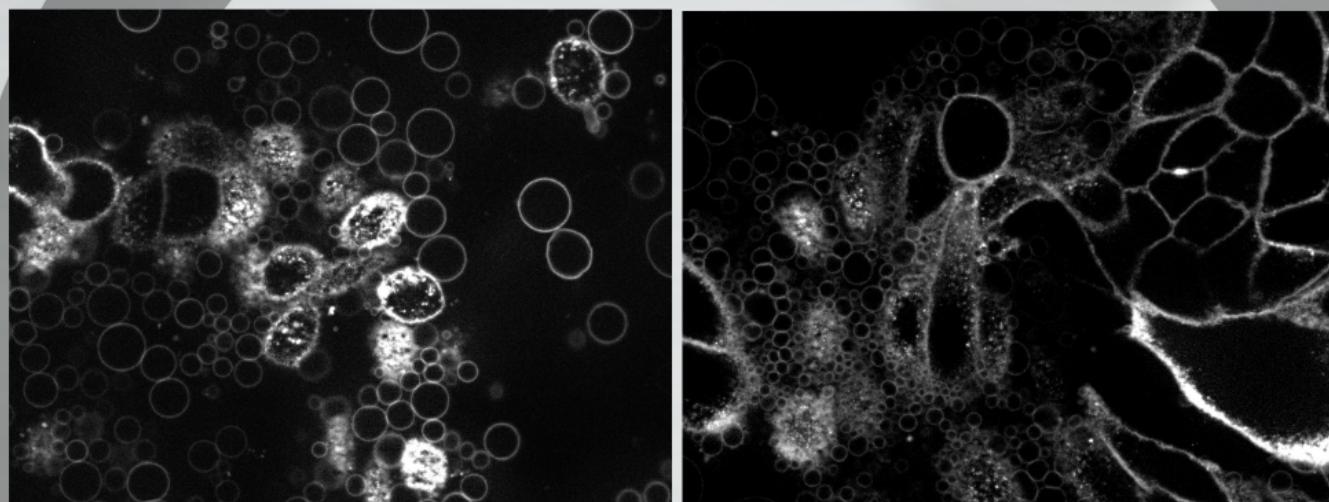


Z Oly
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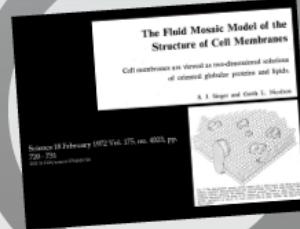
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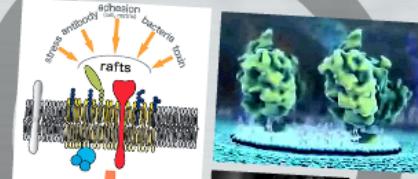
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