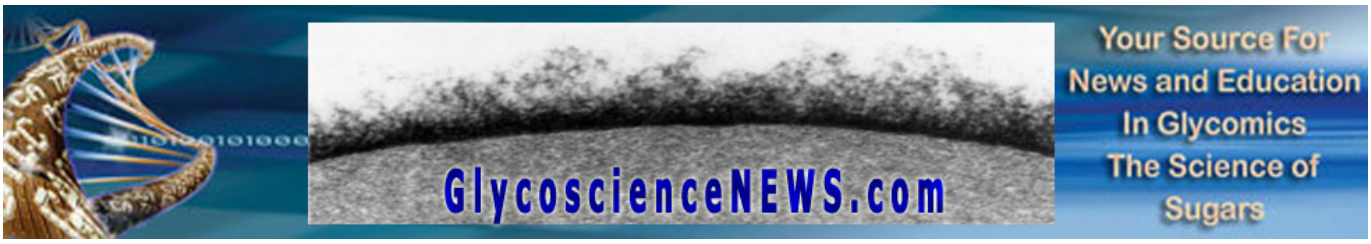


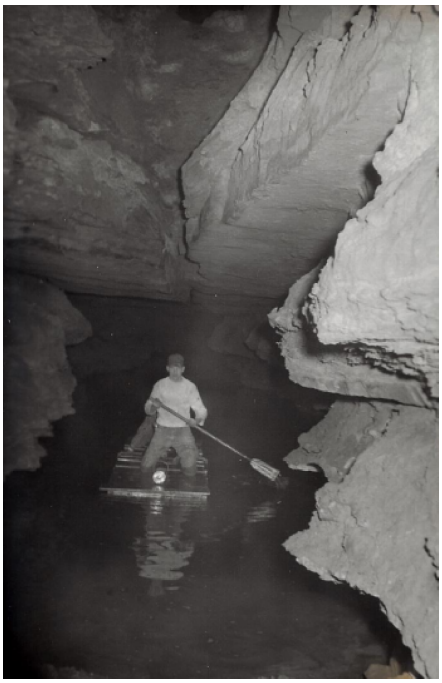
Cell Mysteries: I Peered at the Wonderment of Translucent Cells

Glycoscience Lesson #39

by JC Spencer

In my adventuress teenage years while spelunking one of the largest US caves, I viewed translucent animals and fish up close in the dark. They had never seen the light of day.

Cell technology has always peeked my interest in the wonders of God's creation. The rib cage and internal organs of each salamander and fish were visible at the end of my flashlight beam. With my mouth wide open, I watched the fish breath as they pumped the 42-degree cold water through their translucent bodies. Those indelible moments have flashed before my mind for six decades. I can still watch the replays in my head up close as the salamander is not frightened by my light which it never saw. These see-through living invertebrates were amazing for my eyes to behold.



The Ozarks was my playground and Marvel Cave, at Branson, Missouri, was a diamond in my backyard.

I rented the cave for a whole night and hired a guide to lead a small team of young explorers that I had assembled.

We transcended the giant cathedral, proceeded off the tourist path and crawled through a long narrow tunnel filled with bats and fresh guano. Like ants in single file, we scaled down a deep crevasse and paddled a wooden raft on an inner tube to the other side of an underground lake.

On the far shore in another cavern, we disembarked and I walked and explored small pools of clear water where the amphibious salamanders and fish dwelt. We saw various blind species of translucent life forms. Beyond this cold, dark, wet chamber, we discovered a waterfall not yet listed on the maps.

To be cloaked in camouflage may not be necessary in the dark but translucent and photosynthesis cells are marvels of animal life that can communicate and produce needed chemicals.

Many mysteries of life can be learned from these cells. Observation of the workings of the cell has brought us to this time in medical history. The future of medical science will be based on what we learn from the cell and how we can better care and feed the cell.

Cell membrane protects the inner workings of the cell and in recent years, we have learned that the sugar Trehalose strengthens cell membrane and can help protect it from electron beam radiation. Other Smart Sugars are the building blocks for the glycans and glycoproteins that coat the cell.

When the glycan and glycoprotein receptor sites fall below 800,000 per cell, the risk of harmful bacteria and viruses is increased, the immune system is lowered, and human life can be extinguished.

When the quality and quantity of glycans and glycoproteins are increased... **Quality of LIFE can be improved and extended.**

Enjoy Learning more about - ***Inside the Cell***
http://endowmentmed.org/pdf/inside_the_cellc.pdf

Sources and References

Research at Université de Lausanne in Switzerland - Trehalose can protect cells from electron beam radiation http://www.endowmentmed.org/content/view/1121/106/

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