

B. Panyella Pedersens scholarly session

To get there

Abstract:

Aging can be described as a journey from creation to destruction. The creation, journey and destruction of glucose forms the nucleus of life from a chemical and biological perspective. The journey or “getting there” aspect of the life-cycle of glucose is an essential component, in particular for multicellular organisms like plants and animals where different tissues have specific energy demands.

During my three years as an AIAS fellow, I initiated a structural biology project related to transport of sugar into cells. In this talk, I will set our work into a larger perspective of the life-cycle of glucose and present some of our current and unpublished results on sugar transport.