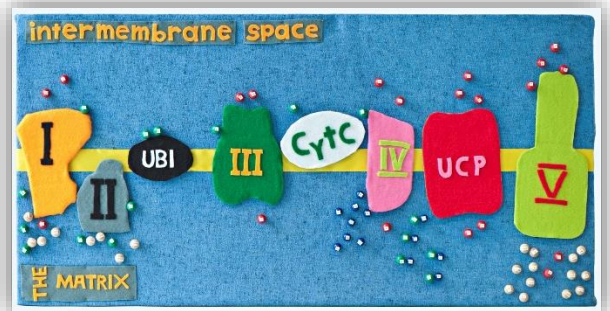


## Title: The role of brown fat in energy balance: More than a mere heater organ

Prof. Dr. Martin Klingenspor is head of the Chair for Molecular Nutritional Medicine at the Technical University of Munich. He investigates energy balance regulation with a particular focus on the role of adipose tissues in obesity and diabetes. Recruitment and activation of thermogenic white and brown adipocytes is one strategy to prevent and treat metabolic disease. In this context, molecular mechanisms of adipogenesis, bioenergetic functions of adipocyte mitochondria and different modes of energy „wasting“ and their physiological consequences are addressed.



Key components of mitochondrial oxidative phosphorylation.