

## **Brain Milk - milk components uptake and effects on brain cells**

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**Funding:** Danish Dairy Research Foundation  
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### **Aim and Description:**

Dietary influences on cognitive development and health is an area that has attracted increased attention in recent years. In this project we will investigate whether endogenous peptides from milk can penetrate the blood-brain barrier (BBB) and their biological effects on brain cells. In the project we will set up and use a cellular model of the BBB to screen the transport of milk components across this. After identification of such specific milk components we will use mass spectrometric techniques to investigate whether these particular components are absorbed through the gut into the blood in animal models.