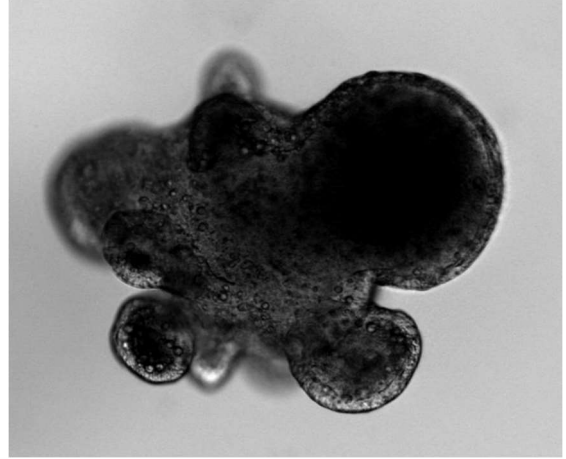


A biotechnology for human milk production

Human breast milk is the best nutrition for human babies ensuring all their nutritional needs for healthy development. However, as much as half of the newborns worldwide are not properly breastfed. Current commercial human milk replacements do not reach the full quality of human breast milk and the milk biobanks do not meet the high demands.

Therefore, there is an unmet need for full-quality human breast milk. This project aims to further develop our unique biotechnology for milk production in the laboratory towards production of human breast milk.



Application

- Production of human breast milk in vitro for newborn nutrition

Competitive Advantage

- Cultured human milk will provide full spectrum of nutrients, which is currently not available in commercial replacements
- The product will increase newborn wellbeing

Project Leader

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Market Assessment

- Potential end users: newborns and babies (the buyers will be parents)
- Size of market: Global baby food market is currently valued at USD 85,936.2 Mn, projected to rise to USD 1,46,791.4 Mn in 2033.
- The developed product will require future safety and clinical testing and will be regulated by Ministry of Health and/or Ministry of Agriculture, Food Safety Board.

Needs

- Special areas of expertise: Food analysis experts
- Business partners, investors
- Networking