

# Creation of innovative food production technologies in response to environmental changes in the future

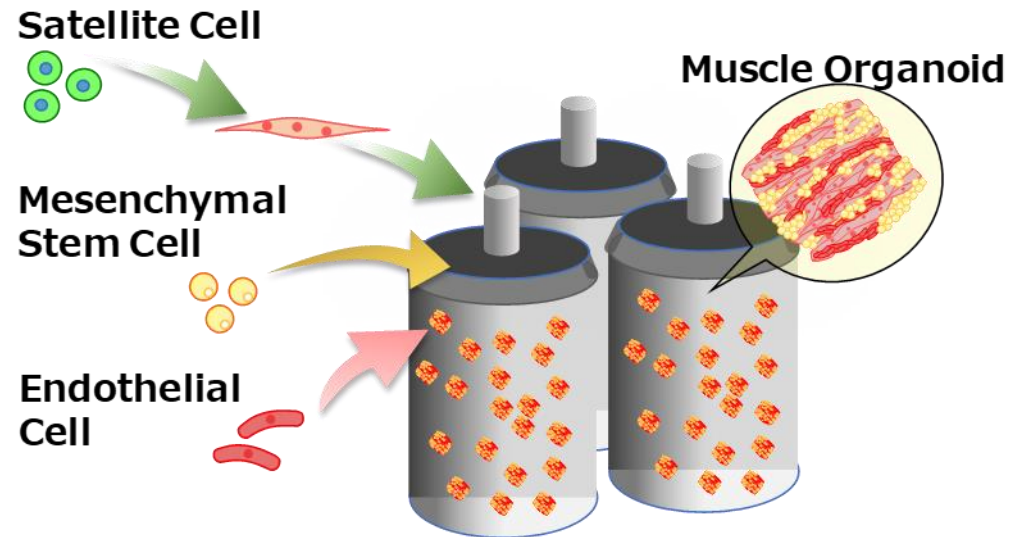
## Development of innovative food production technology by muscle organoid

**Project Leader :** Chihiro AKAZAWA  
Professor, Juntendo University Graduate School of Medicine



### Summary :

Several lines of evidence suggest that meat consumption plays a pivotal role in global environmental degradation. Because of the increasing population in the developing world, meat consumption will be reached at the doubled in 2050 compared to 1999. One of the options to reduce the meat consumption is to replace slaughter animals for cultured meat. In this project, we develop the ***muscle organoid*** using stem cell technology as a major source of cultured-meat production. This would allow us to sustainably and affordably source our food in the near future.



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