

Project name	
Biotechnology-based synthesis of celastroids - A comprehensive approach for the development of potent anti-obesity agents.	
Project description	
We work on biotechnology-based synthesis of celastrol and other celastroids in yeast as the foundation for further exploitation of this highly promising group of anti-obesity agents for human health. We are developing a yeast-based production system initially for characterizing the biosynthetic pathway, and subsequently for the combinatorial biosynthesis of to synthesize a large array of structurally related compounds. To identify molecules with optimal characteristics, they will be evaluated in both cell cultures and in an animal model.	
Participants	Funding
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Publications	