

Singapore Food Story Theme 2 – 1st Alternative Protein Seed Challenge 2019 Grant Call

Project Title	Principal Investigator	Institutions Involved
Production of High Purity Insect Protein Hydrolysate	Prof Wang Yulan	NTU
Highly Efficient Microbial Methane Conversion for Single Cell Protein Production under High Pressure	A/Prof Sanjay Swarup	NUS; NTU
A Systematic Approach to Species Selection and Serum-Free Growth Media and Hydrogel Refinement for Cultured Seafood	Dr Mark Richards	NYP Collaborator: Umami Meats Pte Ltd
Modification of Brown Rice Protein Isolate Using Microbial Transglutaminases: Functional Property Enhancement and Nutritional Evaluation	A/Prof Du Juan	SIT; NTU Collaborator: BTI
Engineering Manufacturable Growth Factors for Cultured Meats	A/Prof Bernard Loo Liat Wen	SIT; BTI
Marine Algae Proteins: Isolation, Assessment & Optimisation for Direct Incorporation in High Value Foods	Dr Michael Voigtmann	Wintershine Asia Pte. Ltd; SIT; SIFBI
Developing A Scalable Method for Fiber-Directed Differentiation of Muscle Cells	Dr Andrew Wan Chwee Aun	SIFBI
Functionalisation of Plant Proteins by Physicochemical Methods to Improve Food Applications	Dr Shaun Sim	SIFBI Collaborator: Massey University
Decellularized Plant and Fungi Scaffolds for Structured Meat Production	Dr Deepak Choudhury	BTI; NTU Collaborator: The Moscow Sechenov Medical University
Develop a Platform for Immortalized Cell Line Media Development for the Production of More Affordable Cultured Meat	Dr Lu Hao Kim	BTI

Food Protein from Algae – Integrated Bioprocess Approach to Sustainable Living	Dr Yvonne Chow Yoong Sien	SIFBI; ICES; BII; Sophie's BioNutrients Pte. Ltd
Low-cost, Edible Fibre Supports, for the Expansion and Differentiation of Myoblasts in Suspension Bioreactors	Dr William Birch	IMRE; SIFBI
Creating a Commercially Feasible Platform for Cultured Meat Production	Prof Teh Bin Tean	IMCB
Characterization and Evaluation of Protein Hydrolysate Supplements as Serum Alternatives in Cultured Meat Production	Dr Ho Yin Ying	BTI
A Multidisciplinary Screening Platform for Functional Proteins for Alternative Foods	Dr Prakash Arumugam	SIFBI; BII
GRAS Platform for Food Protein Production and Screening: A Sweet Concept	Dr Wong Han Teng	IMCB; SIFBI
Alternative Culture Media Components for Fish-derived Fat Cells	Dr Shigeki Sugii	IBN; NTU; RP