

# SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime  
and Inland Water Research | Bioeconomy | KET-Biotechnology |

Brussels, 26th June 2018



BiOTalentum

Sustainable Food Security session

## **Topic: Integrated approaches to food safety controls across the food chain (SFS-37-2019)**

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[www.ncp-biohorizon.net](http://www.ncp-biohorizon.net)

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 #BioBrokerage

# Project idea / Company expertise

- BioTalentum Ltd (BIOT) is a RTD intensive SME, focusing on human induced pluripotent stem cell (iPSC) derived technology platforms for *in vitro* toxicology and medical solutions.
- We have excellent technology for gene editing (eg. CRISPR/Cas9), 2D and 3D (organoid) differentiation for beyond state-of-the-art systems for multi-organ *in vitro* toxicology.
- BIOT is in contact with an extended network of teams due to its involvement in different international consortia (BIOT scientifically coordinated 9 FP7 projects, currently involved in 8 H2020 projects including large RIA (**EU-ToxRisk**), and coordinating RIA project (**iNanoBIT**)) and BIOT is supported by its' own consulting branch. BIOT has strong collaboration with Chinese academic partners in food safety.

## SFS-37: Integrated approaches to food safety controls across the food chain

- In the frame of SFS-37 call the project coordinated by BIOT is aimed to gather the relevant expertise both from EU and China. BIOT will use its expertise in project coordination and toxicity assays to help food industry to comply with regulations and to support regulatory agencies with relevant data.
- We are seeking additional partners for data collection, risk assessment, and practical solution development.
- BIOT would contribute specifically to mycotoxin safety issues, using its in vitro human-relevant systems to identify effect of mixtures of mycotoxins.
- Topics in which BIOT is also interested, for the sue of its neurotoxicity in vitro human assays:

**SFS-04A-2019: Integrated health approaches and alternatives to pesticide use.**

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