

Seeking Biotechnology Solutions for Pest Control in Corn, Cotton and Soybean Plants

A leading plant breeding and biotechnology company committed to advancing agricultural sustainability is seeking novel cutting-edge biotech solutions for the effective control of *Anthonomus grandis* in cotton and Lepidopteran pests, specifically *Spodoptera frugiperda*, in corn, cotton, and soy plants.



Approaches of Interest:

- **Proteins** which control the above pest insect species, preferably in the **early stages of development (i.e. larval stages)** that can be deployed in **genetically modified corn, cotton and soybean plants**
- **RNAi technologies** to silence vital insect genes during development, including nanoparticle-mediated dsRNA/siRNA delivery systems for sustainable pest management
- **Gene-editing approaches** (CRISPR) *in planta* to control the above pest insect species

Out of Scope:

- Approaches effective in pest or plant species not specified above
- Approaches unrelated to biotechnological solutions or genetically engineered plant species or CRISPR approaches (i.e. generic or chemical pesticides)
- Cross-breeding approaches
- Genetically modified plant species lacking pesticidal activity against the specified pests

Developmental Stages of Interest:

- Opportunities from **TRL4 and beyond are preferred**, but earlier stage opportunities will be considered provided they have established proof of concept in target species
- Opportunities must already have been **evaluated for safety in non-target organisms**






Submission Information

Submission of one page, 200-300 word briefs are encouraged, along with any optional supplementary information e.g. relevant publications. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include licensing assets, project/PhD funding, and research collaborations.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online [here](#)

Deadline: **19th February 2024 - 11:59 pm GMT**

Have any questions?

Contact our team at discover@in-part.co.uk