



FROM
MOLECULAR
TARGETS
TO NOVEL
CROP
PROTECTION
SOLUTIONS



Grants4 Targets

What is the idea of Grants4Targets?

Our aim is to translate innovation stemming from research into modern crop protection products that are able to tackle the future challenges of the global agricultural community.

By fostering collaborations with excellent academic groups and start-ups, we aim to translate ideas from basic research into novel products for the farm. In order to further pool expertise and join forces for mutual benefit, Bayer has initiated the Grants4Targets program to support collaborative research projects on novel molecular targets (or modes-of-action) for weed, pest, and fungal disease control in agriculture. To promote the validation of novel molecular targets, we have set up a grant scheme and provide our expertise in lead discovery. We look forward to hearing about your innovative ideas!

For the next submission deadline
please see our website.



Science For A Better Life

Bayer CropScience AG
Alfred-Nobel-Str. 50
40789 Monheim am Rhein, Germany

What targets are we looking for?

Our definition of a “novel target” is a biological molecule (for example an enzyme, receptor, or protein complex) whose activity can be modified by a “compound”. The target should have been shown to be effective/mechanistically involved in a lethal/severe phenotype. A “compound” can be anything like a small-molecular-weight chemical, a natural product or a biological product, such as proteins or peptides. This modulation should result from a direct interaction between the target and the compound.

We are looking for novel molecular targets in the fields of:



Pest Control:

Solutions for insect, mite
and nematode control



Disease Control:

Solutions for fungus and oomycete control



Weed Control:

Novel herbicidal solutions



Scan for further information
<http://grants4targets.bayer.com>

Community feedback

(Based on the initiative in Bayer Pharmaceuticals)

“There are two advantages in this program. The first is the speed with which the grant is funded. The second is the potential of further collaboration in the future to advance the common research interests between my laboratory and Bayer.”

Prof. Wang, University of California San Diego, La Jolla, USA.

“This program is a fantastic opportunity to forward pre-clinical target discovery and validation. It can serve as an important bridge funding or allow execution of a few critical assays.”

Dr. Kallio, University of Turku, Finland.



How can I apply?

Target ideas can be submitted via our website <https://grants4targets.bayer.com/cropscience/> in a process that takes merely a few minutes.

Only non-confidential information should be submitted. In addition to the submission tool, the website also includes further detailed information about the program. After a comprehensive internal review process by Bayer scientists, feedback will be provided within approximately eight weeks after the submission deadline. Bayer will not only provide financial support for promising proposals but also accompany ideas and projects on a scientific basis. In order to foster close collaboration, Bayer scientists are nominated as project partners to make available their know-how on target validation and to provide tools to assist in your target validation, e.g., gene expression profiling or other state-of-the-art research technologies. Please detail your research interest for the technology platforms in the online submission.

What kind of grant is offered?

Support grants (€ 2,000 - € 10,000)* for novel targets that are at a very early stage of discovery.

Focus grants (€ 10,000 - € 50,000)* for more advanced proposals to support promising research towards a fully validated crop protection target.

Successful projects supported by a grant may lead to further collaborations.

Conditions

- The decision on grant allocation is made at the sole and absolute discretion of Bayer.
- Intellectual property rights remain with the applicant.
- Special conditions may apply for proprietary targets and the in-licensing of targets.

* The size of the individual grant will depend on the target specifics and the state of development and validation.

Contact

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For information and submission, please visit
<https://grants4targets.bayer.com/cropscience/>



4 good reasons to apply for a grant

- Access to bridging funds
- Easy process
- Fast decision
- Access to a competent industry partner and state-of-the-art technologies