**Genome Editing for Broad-Spectrum Disease Resistance in Crop Plants**

**Proposal Guidelines**

*All information provided should be* ***non-confidential*** *until such time that a NDA is fully executed*

**Project Title**

**Project Abstract** (maximum 250 words)

**Project Description** (maximum 1000 words)

Please include the following:

* A concise description of the proposed genome edits’ potential to confer broad spectrum resistance in crops, including supporting evidence (literature or data; figures may be uploaded separately in a single file)
* Selected crop species for editing: maize (PHR03), soybean (Williams 82), canola (Westar) - please explain if your proposal requires an alternative variety for editing
* The pathogen species to which the proposed edits are predicted to confer resistance
* A description of the type of resistance expected (e.g., qualitative vs. quantitative resistance, effector- vs PAMP- triggered immunity, disruption of a susceptibility gene, etc.)
* Description of the proposed edit(s) at the gene level (details at the nucleotide level to be requested upon selection)
* Type and number of edit(s) requested (e.g., frameshift knockout, specific nucleotide edits, in-frame deletion of a specific region, etc.)
* Sufficient details to convey the phenotypic analysis strategy for measuring the effect(s) of genome editing

**References** (not included in the 1000 word maximum)